

2020 Index

IEEE Transactions on Vehicular Technology

Vol. 69

This index covers all technical items—papers, correspondence, reviews, etc.—that appeared in this periodical during 2020, and items from previous years that were commented upon or corrected in 2020. Departments and other items may also be covered if they have been judged to have archival value.

The Author Index contains the primary entry for each item, listed under the first author's name. The primary entry includes the coauthors' names, the title of the paper or other item, and its location, specified by the publication abbreviation, year, month, and inclusive pagination. The Subject Index contains entries describing the item under all appropriate subject headings, plus the first author's name, the publication abbreviation, month, and year, and inclusive pages. Note that the item title is found only under the primary entry in the Author Index.

Author Index

A

- Abbas, A.A.**, *see* El-Absi, M., *TVT July 2020 7751-7761*
- Abbasi, F.**, and Viterbo, E., Large Kernel Polar Codes With Efficient Window Decoding; *TVT Nov. 2020 14031-14036*
- Abbasi, Q.H.**, *see* Tan, M.C., *TVT March 2020 2659-2670*
- Abd-Elmagid, M.A.**, Dhillon, H.S., and Pappas, N., AoI-Optimal Joint Sampling and Updating for Wireless Powered Communication Systems; *TVT Nov. 2020 14110-14115*
- Abdallah, M.**, *see* Nauryzbayev, G., *TVT June 2020 6828-6832*
- Abdel-Aty, M.A.**, *see* Yue, L., *TVT Nov. 2020 12459-12469*
- Abdelrazek, A.M.**, *see* Tayel, A.F., *TVT Oct. 2020 11253-11265*
- Abdelsadek, M.Y.**, Gadallah, Y., and Ahmed, M.H., A Critical MTC Resource Allocation Approach for LTE Networks With Finite Blocklength Codes; *TVT May 2020 5598-5609*
- Abdipour, A.**, *see* Majidi, M., *TVT March 2020 3244-3255*
- Abdolee, R.**, *see* Aghdam, M.R.G., *TVT Oct. 2020 11491-11500*
- Abdullah, Z.**, Tsimenidis, C.C., Chen, G., Johnston, M., and Chambers, J.A., Efficient Low-Complexity Antenna Selection Algorithms in Multi-User Massive MIMO Systems With Matched Filter Precoding; *TVT March 2020 2993-3007*
- Abedi, M.**, *see* Bayati, M., *TVT July 2020 7201-7210*
- Abedi, M.R.**, Javan, M.R., Yamchi, N.M., and Yanikomeroğlu, H., 3D-MIMO Dual Communications in SCMA-Based Secure HetNets; *TVT Aug. 2020 8499-8513*
- Abhayapala, T.D.**, *see* Abu-Shaban, Z., *TVT June 2020 6388-6400*
- Abkenar, F.S.**, and Jamalipour, A., A Reliable Data Loss Aware Algorithm for Fog-IoT Networks; *TVT May 2020 5718-5722*
- Abkenar, F.S.**, *see* Alam, M.Z., *TVT Sept. 2020 9356-9363*
- Abolhasan, M.**, *see* Tofigh, F., *TVT Jan. 2020 784-792*
- Abolhasan, M.**, *see* Saki, M., *TVT Oct. 2020 11937-11949*
- Abouei, J.**, *see* HajiAkhondi-Meybodi, Z., *TVT Sept. 2020 10188-10201*
- Abrao, T.**, *see* Kobayashi, R.T., *TVT Feb. 2020 1237-1244*
- Abrao, T.**, *see* Marinello, J.C., *TVT Nov. 2020 13305-13318*
- Abu-Hudrouss, A.M.**, Astal, M.O.E., Al Habbash, A.H., and Aissa, S., Signed Quadrature Spatial Modulation for MIMO Systems; *TVT March 2020 2740-2746*
- Abu-Shaban, Z.**, Wymeersch, H., Abhayapala, T.D., and Seco-Granados, G., Single-Anchor Two-Way Localization Bounds for 5G mmWave Systems; *TVT June 2020 6388-6400*
- Abu-Shaban, Z.**, *see* Ghaseminajm, F., *TVT July 2020 7971-7975*
- Abuelhajja, A.**, *see* El-Absi, M., *TVT July 2020 7751-7761*
- Acharya, T.**, *see* Ghosh, S., *TVT Sept. 2020 10167-10176*
- Adachi, F.**, *see* Huang, H., *TVT Jan. 2020 1117-1121*
- Adachi, F.**, *see* Wang, Y., *TVT May 2020 5688-5692*
- Adachi, F.**, *see* Lu, Y., *TVT Aug. 2020 8459-8467*
- Adhatarao, S.S.**, *see* Yuan, Y., *TVT Sept. 2020 9279-9291*
- Adhicandra, I.**, *see* Alam, M.Z., *TVT July 2020 7908-7915*
- Adhicandra, I.**, *see* Alam, M.Z., *TVT Sept. 2020 9356-9363*
- Adiga, S.P.**, *see* Verma, M.K.S., *TVT March 2020 2563-2575*
- Afrashteh, M.**, and Babaie, S., A Route Segmented Broadcast Protocol Based on RFID for Emergency Message Dissemination in Vehicular Ad-Hoc Networks; *TVT Dec. 2020 16017-16026*
- Agarwal, A.**, *see* Singh, P.K., *TVT Oct. 2020 11383-11393*
- Agba, B.L.**, *see* Selim, B., *TVT March 2020 3454-3458*
- Aghaei, J.**, *see* Veysi, M., *TVT Oct. 2020 10469-10483*
- Aghdam, M.R.G.**, Tazehkand, B.M., and Abdolee, R., On the Performance Analysis of mmWave MIMO-NOMA Transmission Scheme; *TVT Oct. 2020 11491-11500*
- Agrawal, B.**, Zhou, L., Emadi, A., and Preindl, M., Variable-Frequency Critical Soft-Switching of Wide-Bandgap Devices for Efficient High-Frequency Nonisolated DC-DC Converters; *TVT June 2020 6094-6106*
- Agrawal, K.**, F. Flanagan, M., and Prakriya, S., NOMA With Battery-Assisted Energy Harvesting Full-Duplex Relay; *TVT Nov. 2020 13952-13957*
- Agrawal, N.**, Darak, S.J., and Bader, F., Spectral Coexistence of LDACS and DME: Analysis via Hardware Software Co-Design in Presence of Real Channels and RF Impairments; *TVT Sept. 2020 9837-9848*
- Aguiar, A.**, *see* Cruz, S.B., *TVT April 2020 3654-3667*
- Ahmad, N.**, *see* Zhang, X., *TVT June 2020 6107-6118*
- Ahmed, A.**, Shan, H., and Huang, A., Modeling Impact of Concurrent Transmissions in Cluster Based Mobile Caching Networks; *TVT April 2020 4601-4605*
- Ahmed, M.H.**, *see* Seliem, H., *TVT Jan. 2020 1127-1130*
- Ahmed, M.H.**, *see* Abdelsadek, M.Y., *TVT May 2020 5598-5609*
- Ahmed, M.H.**, *see* Khoshafa, M.H., *TVT July 2020 7609-7621*
- Ahmed, M.S.**, Boussakta, S., Al-Dweik, A., Sharif, B., and Tsimenidis, C.C., Efficient Design of Selective Mapping and Partial Transmit Sequence Using T-OFDM; *TVT March 2020 2636-2648*
- Ahmed, Q.Z.**, *see* Riaz, S., *TVT Dec. 2020 16207-16212*
- Ahn, C.**, *see* Park, S., *TVT Aug. 2020 8407-8419*
- Ahn, C.K.**, *see* Kim, S., *TVT Nov. 2020 12725-12733*
- Ahn, C.K.**, *see* Zhou, W., *TVT Dec. 2020 14749-14764*
- Ahn, J.**, Lee, J., Niyato, D., and Park, H., Novel QoS-Guaranteed Orchestration Scheme for Energy-Efficient Mobile Augmented Reality Applications in Multi-Access Edge Computing; *TVT Nov. 2020 13631-13645*
- Ai, B.**, *see* Huang, C., *TVT Jan. 2020 1041-1045*
- Ai, B.**, *see* Liu, H., *TVT Feb. 2020 2286-2290*
- Ai, B.**, *see* Ma, Z., *TVT Feb. 2020 1214-1226*
- Ai, B.**, *see* Du, H., *TVT Feb. 2020 1855-1866*
- Ai, B.**, *see* Zheng, J., *TVT April 2020 4537-4541*
- Ai, B.**, *see* Liu, H., *TVT Aug. 2020 9180-9184*
- Ai, B.**, *see* Chen, Y., *TVT Sept. 2020 9736-9749*
- Ai, B.**, *see* Gao, M., *TVT Sept. 2020 9643-9655*
- Ai, B.**, *see* Sheng, J., *TVT Nov. 2020 13371-13382*
- Ai, B.**, *see* He, D., *TVT Nov. 2020 12408-12417*
- Ai, B.**, *see* Ma, Z., *TVT Nov. 2020 12418-12431*
- Ai, B.**, *see* Wang, Y., *TVT Nov. 2020 13836-13848*
- Aissa, S.**, *see* Abu-Hudrouss, A.M., *TVT March 2020 2740-2746*
- Aissa, S.**, *see* Amjad, M., *TVT Dec. 2020 16253-16257*
- Ajib, W.**, *see* Hamdi, R., *TVT Jan. 2020 663-675*
- Ajib, W.**, *see* Mlika, Z., *TVT Feb. 2020 1994-2007*
- Ajib, W.**, *see* Hentati, A., *TVT Feb. 2020 1956-1969*
- Ajib, W.**, *see* Kusaladharna, S., *TVT Nov. 2020 13357-13370*
- Akai, N.**, *see* Sama, K., *TVT Sept. 2020 9315-9329*
- Akande, D.O.**, *see* Ojo, F.K., *TVT May 2020 5079-5088*
- Akar, M.**, *see* Sevim, O., *TVT May 2020 5089-5101*

- Akbar, N.**, *see* Lago, L.A., *TVT Jan. 2020 405-417*
- Akhtar, M.W.**, Hassan, S.A., Saleem, S., and Jung, H., STBC-Aided Cooperative NOMA With Timing Offsets, Imperfect Successive Interference Cancellation, and Imperfect Channel State Information; *TVT Oct. 2020 11712-11727*
- Akiba, Y.**, Ishihara, T., and Sugiura, S., Variable-Block-Length Joint Channel Estimation and Data Detection for Spatial Modulation Over Time-Varying Channels; *TVT Nov. 2020 13964-13969*
- Akkaya, K.**, *see* Gabay, D., *TVT June 2020 5760-5772*
- Aksimsek, S.**, *see* Ozpinar, H., *TVT March 2020 2389-2397*
- Aksun-Guvenc, B.**, *see* Ma, F., *TVT Aug. 2020 8207-8220*
- Al Habbash, A.H.**, *see* Abu-Hudrouss, A.M., *TVT March 2020 2740-2746*
- Al Shamaileh, K.A.**, *see* Albehadili, A., *TVT Aug. 2020 8119-8131*
- Al-Badarneh, Y.H.**, Georghiadis, C.N., and Alouini, M., On the Throughput of Interference-Based Wireless Powered Communications With Receive Antenna Selection; *TVT March 2020 3048-3056*
- Al-Dhahir, N.**, *see* Li, X., *TVT Feb. 2020 1867-1878*
- Al-Dhahir, N.**, *see* Nauryzbayev, G., *TVT June 2020 6828-6832*
- Al-Dhahir, N.**, *see* Samara, L., *TVT July 2020 7966-7970*
- Al-Dubai, A.**, *see* Alsarhan, A., *TVT Feb. 2020 1568-1581*
- Al-Dweik, A.**, *see* Ahmed, M.S., *TVT March 2020 2636-2648*
- Al-Dweik, A.**, *see* Saci, A., *TVT Nov. 2020 12432-12448*
- Al-Habob, A.A.**, Dobre, O.A., Armada, A.G., and Muhaidat, S., Task Scheduling for Mobile Edge Computing Using Genetic Algorithm and Conflict Graphs; *TVT Aug. 2020 8805-8819*
- Al-Hashimi, A.**, *see* Sun, M., *TVT May 2020 4773-4787*
- Al-Hmood, H.**, and Al-Raweshidy, H.S., On the Effective Rate and Energy Detection Based Spectrum Sensing Over α - η - κ - μ Fading Channels; *TVT Aug. 2020 9112-9116*
- Al-Raweshidy, H.S.**, *see* Al-Hmood, H., *TVT Aug. 2020 9112-9116*
- Alam, M.S.**, *see* Selim, B., *TVT March 2020 3454-3458*
- Alam, M.Z.**, Adhichandra, I., Khan, K.S., and Jamalipour, A., SDP-IGD: An Iterative Power Allocation Technique for Cluster-Based Multihop Vehicular Communications; *TVT July 2020 7908-7915*
- Alam, M.Z.**, Abkenar, F.S., Adhichandra, I., Murali, S., and Jamalipour, A., Low-Delay Path Selection for Cluster-Based Buffer-Aided Vehicular Communications; *TVT Sept. 2020 9356-9363*
- Alameddine, H.**, *see* Kabir, M.E., *TVT July 2020 6952-6963*
- Alayon Glazunov, A.**, *see* Kildal, M.S., *TVT Nov. 2020 13165-13179*
- Alazab, M.**, *see* Pham, Q., *TVT April 2020 4285-4297*
- Alazab, M.**, *see* Bera, B., *TVT Aug. 2020 9097-9111*
- Alazab, M.**, *see* Feng, C., *TVT Nov. 2020 13784-13795*
- Albehadili, A.**, Al Shamaileh, K.A., Javaid, A.Y., and Devabhakuni, V.K., Link-Signature-Based Discriminatory Channel Estimation (LS-DCE) for Physical Layer Security in Stationary and Mobile OFDM Transceivers; *TVT Aug. 2020 8119-8131*
- Aldubaikhy, K.**, *see* Wu, W., *TVT May 2020 5293-5306*
- Alhakami, H.**, *see* Oubbati, O.S., *TVT Dec. 2020 14523-14536*
- Alhussien, N.**, and Gulliver, T.A., Optimal Resource Allocation in Cellular Networks With H2H/M2M Coexistence; *TVT Nov. 2020 12951-12962*
- Ali, A.**, Mahmoud, K., Raisz, D., and Lehtonen, M., Optimal Allocation of Inverter-Based WTGS Complying With Their DSTATCOM Functionality and PEV Requirements; *TVT May 2020 4763-4772*
- Ali, A.**, Gonzalez-Prelcic, N., and Ghosh, A., Passive Radar at the Roadside Unit to Configure Millimeter Wave Vehicle-to-Infrastructure Links; *TVT Dec. 2020 14903-14917*
- Ali, G.G.M.N.**, Ayalew, B., Vahidi, A., and Noor-A-Rahim, M., Feedbackless Relaying for Enhancing Reliability of Connected Vehicles; *TVT May 2020 4621-4634*
- Ali, I.**, Lawrence, T., Omala, A.A., and Li, F., An Efficient Hybrid Signcryption Scheme With Conditional Privacy-Preservation for Heterogeneous Vehicular Communication in VANETs; *TVT Oct. 2020 11266-11280*
- Ali, N.A.**, *see* Alsmadi, M.M., *TVT June 2020 6793-6797*
- Ali, W.**, Wang, J., Zhu, H., and Wang, J., Seamless Mobility Under a Dedicated Distributed Antenna System for High-Speed Rail Networks; *TVT Dec. 2020 15427-15441*
- Alipour-Fanid, A.**, Dabaghchian, M., and Zeng, K., Impact of Jamming Attacks on Vehicular Cooperative Adaptive Cruise Control Systems; *TVT Nov. 2020 12679-12693*
- Alizadeh, M.**, *see* Guo, J., *TVT July 2020 7131-7145*
- Aljeri, N.**, and Boukerche, A., A Dynamic MAP Discovery and Selection Scheme for Predictive Hierarchical MIPv6 in Vehicular Networks; *TVT Jan. 2020 793-806*
- Alladi, T.**, Naren, Bansal, G., Chamola, V., and Guizani, M., SecAuthUAV: A Novel Authentication Scheme for UAV-Ground Station and UAV-UAV Communication; *TVT Dec. 2020 15068-15077*
- Alladi, T.**, Chakravarty, S., Chamola, V., and Guizani, M., A Lightweight Authentication and Attestation Scheme for In-Transit Vehicles in IoV Scenario; *TVT Dec. 2020 14188-14197*
- Almeida, L.**, *see* Milheiro, J., *TVT Dec. 2020 15127-15136*
- Aloqaily, M.**, *see* Feng, C., *TVT Nov. 2020 13784-13795*
- Alouini, M.**, *see* Wan, Z., *TVT Feb. 2020 2337-2342*
- Alouini, M.**, *see* Badarneh, O.S., *TVT March 2020 3444-3448*
- Alouini, M.**, *see* Al-Badarneh, Y.H., *TVT March 2020 3048-3056*
- Alouini, M.**, *see* Misra, S., *TVT May 2020 5381-5390*
- Alouini, M.**, *see* Singya, P.K., *TVT July 2020 7366-7378*
- Alouini, M.**, *see* Liu, S., *TVT Aug. 2020 9223-9228*
- Alouini, M.**, *see* Yang, H., *TVT Nov. 2020 13947-13951*
- Alouini, M.**, *see* Yang, H., *TVT Nov. 2020 13970-13973*
- Alouini, M.**, *see* Li, S., *TVT Nov. 2020 14043-14048*
- Alouini, M.**, *see* Tian, Y., *TVT Dec. 2020 15398-15411*
- Alsalem, F.N.**, Thompson, J.S., and Laurenson, D.I., Adaptive Sum of Markov Chains for Modelling 3D Blockage in mmWave V2I Communications; *TVT Sept. 2020 9431-9444*
- Alsarhan, A.**, Kilani, Y., Al-Dubai, A., Zomaya, A.Y., and Hussain, A., Novel Fuzzy and Game Theory Based Clustering and Decision Making for VANETs; *TVT Feb. 2020 1568-1581*
- Alshawaqfeh, M.**, and Mesleh, R., Reduced Complexity Sparse Recovery Detectors for Differential Space Shift Keying MIMO System; *TVT April 2020 4558-4562*
- Alsmadi, M.M.**, Ali, N.A., Hayajneh, M., and Ikki, S.S., Down-Link NOMA Networks in the Presence of IQI and Imperfect SIC: Receiver Design and Performance Analysis; *TVT June 2020 6793-6797*
- Alsusa, E.**, *see* Temiz, M., *TVT Dec. 2020 14974-14988*
- Althunibat, S.**, Mesleh, R., and Qaraqe, K., Secure Index-Modulation Based Hybrid Free Space Optical and Millimeter Wave Links; *TVT June 2020 6325-6332*
- Althunibat, S.**, *see* Belaoura, W., *TVT Nov. 2020 12912-12920*
- Alvarez-Polegic, A.**, *see* Femenias, G., *TVT Dec. 2020 15200-15215*
- Alves, H.**, *see* Tregancini, A., *TVT Jan. 2020 622-635*
- Amamou, A.**, Kandidayeni, M., Kelouani, S., and Boulon, L., An Online Self Cold Startup Methodology for PEM Fuel Cells in Vehicular Applications; *TVT Dec. 2020 14160-14172*
- Amani, N.**, Wymeersch, H., Johannsen, U., Smolders, A.B., Ivashina, M.V., and Maaskant, R., Multi-Panel Sparse Base Station Design With Physical Antenna Effects in Massive MU-MIMO; *TVT June 2020 6500-6510*
- Ameen, A.S.**, Doufexi, A., and Nix, A.R., Proposed ITU-R Compatible Inter-Site and Inter-Sector Interference Models for LTE-Advanced Networks; *TVT Dec. 2020 14304-14315*
- Amiri, A.**, *see* Marinello, J.C., *TVT Nov. 2020 13305-13318*
- Amiri, M.**, *see* Tofigh, F., *TVT Jan. 2020 784-792*
- Amjad, M.**, Musavian, L., and Aissa, S., NOMA Versus OMA in Finite Block-length Regime: Link-Layer Rate Performance; *TVT Dec. 2020 16253-16257*
- An, B.**, *see* Nguyen, T.V., *TVT March 2020 2684-2699*
- An, J.**, *see* Du, C., *TVT March 2020 3119-3134*
- An, J.**, *see* Ma, S., *TVT April 2020 4585-4589*
- An, J.**, *see* Guo, Y., *TVT April 2020 3879-3892*
- An, J.**, *see* Ni, Z., *TVT July 2020 8028-8033*
- An, J.**, *see* Ni, Z., *TVT Oct. 2020 11055-11065*
- An, J.**, *see* Du, C., *TVT Dec. 2020 15880-15892*
- An, J.**, Wang, L., Xu, C., Gan, L., and Hanzo, L., Optimal Pilot Power Based Channel Estimation Improves the Throughput of Intelligent Reflective Surface Assisted Systems; *TVT Dec. 2020 16202-16206*

- An, K.**, see Guo, K., *TVT May 2020 5129-5141*
- An, Q.**, see Peng, H., *TVT June 2020 6053-6066*
- Anand, K.**, Guan, Y.L., Liu, X., Liu, Z., Yang, Y., Zhou, Z., Fan, P., and Gunawan, E., Pilot Design for BEM-Based Channel Estimation in Doubly Selective Channel; *TVT Feb. 2020 1679-1694*
- Anchuen, P.**, see Uthansakul, P., *TVT Jan. 2020 887-900*
- Andert, J.**, see Sohn, C., *TVT July 2020 7223-7233*
- Andreev, S.**, see Solomitckii, D., *TVT Feb. 2020 1227-1236*
- Andreev, S.**, see Tafintsev, N., *TVT Sept. 2020 10070-10084*
- Andreev, S.**, see Rastorgueva-Foi, E., *TVT Dec. 2020 15842-15856*
- Anjum, M.N.**, Wang, H., and Fang, H., Prospects of 60 GHz mmWave WBAN: A PHY-MAC Joint Approach; *TVT June 2020 6153-6164*
- Ankarali, Z.E.**, see Pekoz, B., *TVT Jan. 2020 676-684*
- Anpalagan, A.**, see Hussain, F., *TVT March 2020 2891-2904*
- Anpalagan, A.**, see Sultana, A., *TVT May 2020 5343-5354*
- Anpalagan, A.**, see Chen, D., *TVT Oct. 2020 11963-11974*
- Ansari, I.S.**, see Nauryzbayev, G., *TVT June 2020 6828-6832*
- Ansari, I.S.**, see Dabiri, M.T., *TVT Dec. 2020 14238-14246*
- Ansari, M.R.**, see Kamel, J., *TVT June 2020 6631-6643*
- Ansari, N.**, see Sun, X., *TVT Feb. 2020 2195-2203*
- Ansari, N.**, see Zhang, S., *TVT March 2020 3322-3329*
- Ansari, N.**, see Yao, J., *TVT May 2020 5562-5569*
- Ansari, N.**, see Wu, D., *TVT Dec. 2020 16155-16162*
- Anselma, P.G.**, see Buccoliero, G., *TVT Jan. 2020 172-181*
- Antoun, J.**, see Kabir, M.E., *TVT July 2020 6952-6963*
- Antunes, C.H.**, see Pelletier, L., *TVT Dec. 2020 14150-14159*
- Ao, L.**, see Wu, Y., *TVT Sept. 2020 9960-9971*
- Ao, S.**, see Feng, W., *TVT Sept. 2020 9265-9278*
- Apandi, N.I.A.**, see Muhammad, N.A., *TVT June 2020 6178-6188*
- Apon, A.**, see Islam, M., *TVT Sept. 2020 9402-9416*
- Araniti, G.**, see Rinaldi, F., *TVT Feb. 2020 2058-2070*
- Araujo, R.E.**, see Lopes, A., *TVT April 2020 3590-3603*
- Arboleya, P.**, see Mantilla-Perez, P., *TVT May 2020 5025-5040*
- Ardah, K.**, Fodor, G., Silva, Y.C.B., Freitas, W.C., and de Almeida, A.L.F., Hybrid Analog-Digital Beamforming Design for SE and EE Maximization in Massive MIMO Networks; *TVT Jan. 2020 377-389*
- Armada, A.G.**, see Corvaja, R., *TVT July 2020 7325-7338*
- Armada, A.G.**, see Al-Habob, A.A., *TVT Aug. 2020 8805-8819*
- Armada, A.G.**, see Chen-Hu, K., *TVT Oct. 2020 11281-11294*
- Arslan, E.**, Dogukan, A.T., and Basar, E., Sparse-Encoded Codebook Index Modulation; *TVT Aug. 2020 9126-9130*
- Arslan, H.**, see Pekoz, B., *TVT Jan. 2020 676-684*
- Arslan, H.**, see Pekoz, B., *TVT Feb. 2020 1888-1902*
- Arti, M.K.**, A Novel Downlink Interference Alignment Method for Multi-User MIMO System With No CSIT: A Space-Time Coding Approach; *TVT Oct. 2020 10937-10948*
- Artunedo, A.**, Villagra, J., Godoy, J., Castillo, M.D.d., Motion Planning Approach Considering Localization Uncertainty; *TVT June 2020 5983-5994*
- Arvin, F.**, see Hu, J., *TVT Dec. 2020 14413-14423*
- Asadi, H.**, see Qazani, M.R.C., *TVT Oct. 2020 10446-10456*
- Asadi, H.**, see Chalak Qazani, M.R., *TVT Nov. 2020 12547-12558*
- Asghar, A.**, see Farooq, H., *TVT March 2020 3370-3383*
- Ashtiani, F.**, see Moradian, M., *TVT Dec. 2020 15682-15693*
- Aslani, R.**, Saberinia, E., and Rasti, M., Resource Allocation for Cellular V2X Networks Mode-3 With Underlay Approach in LTE-V Standard; *TVT Aug. 2020 8601-8612*
- Assi, C.**, see Kabir, M.E., *TVT July 2020 6952-6963*
- Assi, C.**, see Samir, M., *TVT Nov. 2020 12382-12395*
- Astal, M.O.E.**, see Abu-Hudrouss, A.M., *TVT March 2020 2740-2746*
- Asvadi, R.**, see Rashed, S.K., *TVT Aug. 2020 8443-8458*
- Ataei, M.**, see Zhang, Y., *TVT April 2020 3748-3759*
- Atiquzzaman, M.**, see Oubbati, O.S., *TVT Dec. 2020 14523-14536*
- Attaianese, C.**, Di Monaco, M., Spina, I., and Tomasso, G., A Variational Approach to MTPA Control of Induction Motor for EVs Range Optimization; *TVT July 2020 7014-7025*
- Aujla, G.S.**, Singh, A., Singh, M., Sharma, S., Kumar, N., and Choo, K.R., BloCkEd: Blockchain-Based Secure Data Processing Framework in Edge Envisioned V2X Environment; *TVT June 2020 5850-5863*
- Aujla, G.S.**, see Zhang, P., *TVT Dec. 2020 15774-15785*
- Ayalew, B.**, see Ali, G.G.M.N., *TVT May 2020 4621-4634*
- Aydin, B.**, see Toprak, T., *TVT May 2020 5041-5054*
- Ayoub, F.**, see Illi, E., *TVT Nov. 2020 13996-14000*
- Azam, M.A.**, Dutta, A.K., and Mukherjee, A., Uplink Channel Estimation With Hardware Imperfections, Antenna Position Error and Channel Correlation for Nested and Linear Array Antennas; *TVT Dec. 2020 15412-15426*
- Azer, P.**, see Guo, J., *TVT July 2020 7131-7145*
- Azmi, P.**, see Forouzesh, M., *TVT Aug. 2020 8568-8576*

B

- Babaie, S.**, see Afrashteh, M., *TVT Dec. 2020 16017-16026*
- Badarneh, O.S.**, da Costa, D.B., Benjillali, M., and Alouini, M., Selection Combining Over Double α - μ Fading Channels; *TVT March 2020 3444-3448*
- Badarneh, O.S.**, The α - \mathcal{F} Composite Fading Distribution: Statistical Characterization and Applications; *TVT Aug. 2020 8097-8106*
- Badawy, A.**, and Shafie, A.E., Securing OFDM-Based NOMA SWIPT Systems; *TVT Oct. 2020 12343-12347*
- Bader, F.**, see Agrawal, N., *TVT Sept. 2020 9837-9848*
- Badi, M.**, Wensowitch, J., Rajan, D., and Camp, J., Experimentally Analyzing Diverse Antenna Placements and Orientations for UAV Communications; *TVT Dec. 2020 14989-15004*
- Badoni, M.**, see Singh, A.K., *TVT April 2020 3717-3727*
- Badrudeen, A.A.**, Leow, C.Y., and Won, S., Performance Analysis of Hybrid Beamforming Precoders for Multiuser Millimeter Wave NOMA Systems; *TVT Aug. 2020 8739-8752*
- Baduge, G.A.A.**, see Kusaladharma, S., *TVT Nov. 2020 13357-13370*
- Baek, D.**, see Hong, D., *TVT Dec. 2020 14803-14817*
- Baek, J.**, Han, S.I., and Han, Y., Energy-Efficient UAV Routing for Wireless Sensor Networks; *TVT Feb. 2020 1741-1750*
- Baek, J.**, Lee, J., Shim, H., Im, S., and Han, Y., Target Tracking Initiation for Multi-Static Multi-Frequency PCL System; *TVT Oct. 2020 10558-10568*
- Baek, S.**, see Song, Y., *TVT Sept. 2020 9882-9895*
- Baek, S.**, see Hong, J., *TVT Dec. 2020 15057-15067*
- Bagga, P.**, see Sutrala, A.K., *TVT May 2020 5535-5548*
- Bahga, S.S.**, see Nath, A., *TVT Dec. 2020 14701-14712*
- Bahingayi, E.E.**, and Lee, K., Hybrid Combining Based on Constant Phase Shifters and Active/Inactive Switches; *TVT April 2020 4058-4068*
- Bahk, S.**, see Choi, S., *TVT June 2020 5901-5912*
- Bahk, S.**, see Hwang, S., *TVT Dec. 2020 15177-15187*
- Bahrani, B.**, see Veysi, M., *TVT Oct. 2020 10469-10483*
- Bai, B.**, see Li, S., *TVT Aug. 2020 9174-9179*
- Bai, J.**, Wei, G., Ren, J., Wang, X., and Fei, Z., Enhancing the Orthogonality of Polyphase Signal With Multi-Pulse Joint Processing; *TVT Sept. 2020 9656-9666*
- Bai, L.**, Han, R., Liu, J., Choi, J., and Zhang, W., Multiple Delay Estimation for Collision Resolution in Non-Orthogonal Random Access; *TVT Jan. 2020 497-508*
- Bai, L.**, see Yu, Q., *TVT Feb. 2020 1777-1791*
- Bai, L.**, Xu, Q., Wu, S., Ventouras, S., and Goussetis, G., A Novel Atmosphere-Informed Data-Driven Predictive Channel Modeling for B5G/6G Satellite-Terrestrial Wireless Communication Systems at Q-Band; *TVT Dec. 2020 14225-14237*
- Bai, W.**, Lin, Z., and Dong, H., Coordinated Control in the Presence of Actuator Saturation for Multiple High-Speed Trains in the Moving Block Signaling System Mode; *TVT Aug. 2020 8054-8064*
- Bai, X.**, see Wang, J., *TVT Sept. 2020 10242-10251*
- Bai, Y.**, see Fan, K., *TVT June 2020 5826-5835*
- Bai, Y.**, see Cheng, K., *TVT July 2020 7116-7130*
- Bai, Y.**, see Li, Z., *TVT July 2020 7583-7595*
- Bai, Z.**, see Gao, X., *TVT July 2020 7317-7324*
- Baidas, M.W.**, see Temiz, M., *TVT Dec. 2020 14974-14988*
- Bakar, K.A.**, see J. Darwish, T.S., *TVT July 2020 6869-6879*

- Bala, E.**, *see* Liu, G., *TVT Aug. 2020 9152-9156*
- Ballesteros, C.**, *see* Pfadler, A., *TVT May 2020 4652-4662*
- Ban, T.**, An Autonomous Transmission Scheme Using Dueling DQN for D2D Communication Networks; *TVT Dec. 2020 16348-16352*
- Banagar, M.**, Dhillon, H.S., and Molisch, A.F., Impact of UAV Wobbling on the Air-to-Ground Wireless Channel; *TVT Nov. 2020 14025-14030*
- Bandari, S.K.**, *see* Kim, W., *TVT May 2020 5698-5702*
- Banerjee, S.**, *see* Meher, S.R., *TVT April 2020 3760-3772*
- Banerjee, S.**, *see* Ghasemzadeh, P., *TVT Nov. 2020 13243-13258*
- Bang, I.**, *see* Chae, S.H., *TVT May 2020 5647-5651*
- Bansal, G.**, Naren, N., Chamola, V., Sikdar, B., Kumar, N., and Guizani, M., Lightweight Mutual Authentication Protocol for V2G Using Physical Unclonable Function; *TVT July 2020 7234-7246*
- Bansal, G.**, *see* Alladi, T., *TVT Dec. 2020 15068-15077*
- Bao, D.**, *see* Kumar, A., *TVT Aug. 2020 8290-8304*
- Bao, T.**, Yang, H., and Hasna, M.O., Secrecy Performance Analysis of UAV-Assisted Relaying Communication Systems; *TVT Jan. 2020 1122-1126*
- Bao, T.**, *see* Yang, H., *TVT Nov. 2020 13970-13973*
- Bao, V.N.Q.**, *see* Nguyen, T.V., *TVT March 2020 2684-2699*
- Bao, V.N.Q.**, *see* Le, K.N., *TVT May 2020 5179-5192*
- Bao, W.**, *see* Zhang, H., *TVT Dec. 2020 15569-15579*
- Bao, Z.**, *see* Li, Y., *TVT Aug. 2020 9229-9233*
- Barber, P.**, *see* Wragge-Morley, R., *TVT July 2020 7000-7013*
- Barik, P.K.**, Shukla, A., Datta, R., and Singhal, C., A Resource Sharing Scheme for Intercell D2D Communication in Cellular Networks: A Repeated Game Theoretic Approach; *TVT July 2020 7806-7820*
- Barrado, A.**, *see* Miniguano, H., *TVT Jan. 2020 235-245*
- Basar, E.**, *see* Arslan, E., *TVT Aug. 2020 9126-9130*
- Basaran, M.**, Macit, M.C., Senol, H., and Erkucuk, S., Realistic Channel Estimation of IEEE 802.11af Systems in TV White Space; *TVT Oct. 2020 11066-11076*
- Basit, A.**, *see* Nusenu, S.Y., *TVT June 2020 6286-6298*
- Basu, S.**, *see* Verma, M.K.S., *TVT March 2020 2563-2575*
- Bauer, M.**, *see* Morlock, F., *TVT Feb. 2020 1404-1418*
- Bauman, J.**, *see* Guo, J., *TVT July 2020 7131-7145*
- Bayati, M.**, Abedi, M., Gharehpetian, G.B., and Farahmandrad, M., Sinusoidal-Ripple Current Control in Battery Charger of Electric Vehicles; *TVT July 2020 7201-7210*
- Baz, A.**, *see* Oubbati, O.S., *TVT Dec. 2020 14523-14536*
- Bazzi, A.**, Campolo, C., Molinaro, A., Berthet, A.O., Masini, B.M., and Zanella, A., On Wireless Blind Spots in the C-V2X Sidelink; *TVT Aug. 2020 9239-9243*
- Be'ery, Y., *see* Tan, X., *TVT Feb. 2020 1267-1280*
- Beard, C.**, *see* Tekinay, M., *TVT May 2020 5652-5656*
- Beko, M.**, *see* Tomic, S., *TVT Jan. 2020 914-919*
- Belaoura, W.**, Althunibat, S., Qaraq, K., and Ghanem, K., Precoded Index Modulation Based Multiple Access Scheme; *TVT Nov. 2020 12912-12920*
- Belenioglu, B.**, *see* Toprak, T., *TVT May 2020 5041-5054*
- Belingardi, G.**, *see* Buccoliero, G., *TVT Jan. 2020 172-181*
- Bellmann, T.**, *see* Chalakh Qazani, M.R., *TVT Nov. 2020 12547-12558*
- Bellotti, F.**, *see* Cirimele, V., *TVT March 2020 2501-2512*
- Benedetto, F.**, *see* Sandal, Y.S., *TVT Dec. 2020 15346-15356*
- Benesty, J.**, *see* Jin, J., *TVT Nov. 2020 13497-13509*
- Bengtsson, E.L.**, Rusek, F., Karlsson, P.C., Tufvesson, F., and Edfors, O., Simulation of Multiple-Antenna Terminal Performance in Massive MIMO Systems Based on Indoor Measurements; *TVT Jan. 2020 418-427*
- Benjillali, M.**, *see* Badarneh, O.S., *TVT March 2020 3444-3448*
- Bennis, M.**, *see* Kim, H., *TVT Jan. 2020 935-947*
- Bennis, M.**, *see* Khan, H., *TVT April 2020 3513-3522*
- Benslimane, A.**, *see* Hussain, F., *TVT March 2020 2891-2904*
- Benson, C.R.**, *see* Ghaseminajm, F., *TVT July 2020 7971-7975*
- Bera, A.**, Misra, S., and Chatterjee, C., QoE Analysis in Cache-Enabled Multi-UAV Networks; *TVT June 2020 6680-6687*
- Bera, B.**, Saha, S., Das, A.K., Kumar, N., Lorenz, P., and Alazab, M., Blockchain-Envisioned Secure Data Delivery and Collection Scheme for 5G-Based IoT-Enabled Internet of Drones Environment; *TVT Aug. 2020 9097-9111*
- Bera, S.**, *see* Misra, S., *TVT Feb. 2020 2071-2078*
- Berardinelli, G.**, *see* Karimi, A., *TVT Oct. 2020 12136-12147*
- Berens, F.**, *see* Molina-Masegosa, R., *TVT May 2020 5713-5717*
- Berkvens, R.**, *see* Yusuf, M., *TVT Nov. 2020 12396-12407*
- Berta, R.**, *see* Cirimele, V., *TVT March 2020 2501-2512*
- Berthet, A.O.**, *see* Bazzi, A., *TVT Aug. 2020 9239-9243*
- Bhardwaj, A.**, *see* Prathima, A., *TVT Nov. 2020 13467-13481*
- Bhasin, S.**, *see* Nath, A., *TVT Dec. 2020 14701-14712*
- Bhatia, V.**, *see* Swami, P., *TVT April 2020 4516-4521*
- Bhatia, V.**, *see* Singya, P.K., *TVT July 2020 7366-7378*
- Bhatia, V.**, *see* Mitra, R., *TVT Oct. 2020 11800-11810*
- Bhatia, V.**, *see* Jain, S., *TVT Dec. 2020 16241-16246*
- Bhattacharya, P.**, *see* Shukla, A., *TVT Nov. 2020 12510-12520*
- Bhavathankar, P.**, *see* Misra, S., *TVT May 2020 5381-5390*
- Bi, X.**, *see* Yang, F., *TVT June 2020 6422-6436*
- Bi, X.**, *see* Wang, J., *TVT Sept. 2020 10242-10251*
- Bian, F.**, Zhao, W., Ji, J., Xu, L., Chen, H., and Gao, M., Mechanism Investigation of Ring Type Winding in Linear Permanent Magnet Vernier Machine for Improving Force Density; *TVT March 2020 2588-2597*
- Bilal, A.**, *see* Li, K., *TVT July 2020 7026-7039*
- Bilgin, B.**, *see* Howey, B., *TVT March 2020 2552-2562*
- Bilgin, B.**, Howey, B., Callegaro, A.D., Liang, J., Kordic, M., Taylor, J., and Emadi, A., Making the Case for Switched Reluctance Motors for Propulsion Applications; *TVT July 2020 7172-7186*
- Bilgin, B.**, *see* Guo, J., *TVT July 2020 7131-7145*
- Biral, F.**, *see* De Pascali, L., *TVT Oct. 2020 10868-10878*
- Bisio, I.**, Garibotto, C., Lavagetto, F., and Sciarone, A., Computational Complexity Closed-Form Upper Bounds Derivation for Fingerprint-Based Point-of-Interest Recognition Algorithms; *TVT Aug. 2020 9083-9096*
- Bisio, I.**, *see* de Cola, T., *TVT Oct. 2020 12098-12110*
- Blanch, P.T.**, *see* Candelo-Zuluaga, C., *TVT Dec. 2020 14448-14457*
- Bloom, G.**, *see* Olufowobi, H., *TVT Feb. 2020 1484-1494*
- Bogale, T.E.**, Wang, X., and Le, L.B., Adaptive Channel Prediction, Beamforming and Scheduling Design for 5G V2I Network: Analytical and Machine Learning Approaches; *TVT May 2020 5055-5067*
- Boggia, G.**, *see* Rago, A., *TVT Sept. 2020 10362-10374*
- Bolin, D.**, *see* Gustafson, C., *TVT March 2020 2365-2375*
- Bonab, S.A.**, *see* Buccoliero, G., *TVT Jan. 2020 172-181*
- Bonadio, A.**, Chiti, F., and Fantacci, R., Performance Analysis of an Edge Computing SaaS System for Mobile Users; *TVT Feb. 2020 2049-2057*
- Borcea, C.**, *see* Guo, C., *TVT May 2020 4855-4868*
- Borrego, J.P.**, *see* Milheiro, J., *TVT Dec. 2020 15127-15136*
- Borrelli, F.**, *see* Suh, J., *TVT Feb. 2020 1495-1504*
- Botte, M.**, D'Acerno, L., and Pagano, M., Impact of Railway Energy Efficiency on the Primary Distribution Power Grid; *TVT Dec. 2020 14131-14140*
- Bouanani, F.E.**, *see* Illi, E., *TVT Nov. 2020 13996-14000*
- Boukerche, A.**, *see* Aljeri, N., *TVT Jan. 2020 793-806*
- Boukerche, A.**, *see* Chouali, S., *TVT Dec. 2020 15385-15397*
- Boulon, L.**, *see* Macias Fernandez, A., *TVT Jan. 2020 220-234*
- Boulon, L.**, *see* Amamou, A., *TVT Dec. 2020 14160-14172*
- Boulon, L.**, *see* Khalatbarisoltani, A., *TVT Dec. 2020 14563-14574*
- Bouscayrol, A.**, *see* German, R., *TVT Jan. 2020 328-337*
- Boussakta, S.**, *see* Ahmed, M.S., *TVT March 2020 2636-2648*
- Bozkaya, E.**, Foerster, K., Schmid, S., and Canberk, B., AirNet: Energy-Aware Deployment and Scheduling of Aerial Networks; *TVT Oct. 2020 12252-12263*
- Bradley, T.**, *see* Kukkala, V.K., *TVT Aug. 2020 9017-9030*
- Braghin, F.**, *see* Robuschi, N., *TVT Dec. 2020 14575-14587*
- Braud, T.**, *see* Zhou, P., *TVT Oct. 2020 12187-12201*
- Briggs, K.**, and Shojaeifard, A., Coverage Regions Under Multi-Slope Pathloss Propagation; *TVT Oct. 2020 11786-11789*
- Brink, S.t.**, *see* Wang, X., *TVT Sept. 2020 9459-9468*
- Briso, C.**, Calvo, C., Cui, Z., Zhang, L., and Xu, Y., Propagation Measurements and Modeling for Low Altitude UAVs From 1 to 24 GHz; *TVT March 2020 3439-3443*
- Briso-Rodriguez, C.**, *see* He, D., *TVT Nov. 2020 12408-12417*
- Bu, X.**, *see* Yu, Y., *TVT Feb. 2020 1706-1718*

Buccoliero, G., Anselma, P.G., Bonab, S.A., Belingardi, G., and Emadi, A., A New Energy Management Strategy for Multimode Power-Split Hybrid Electric Vehicles; *TVT Jan. 2020 172-181*

Buchanan, W.J., see Kumar, G., *TVT July 2020 7707-7722*

Budhiraja, I., Kumar, N., Tyagi, S., Tanwar, S., and Guizani, M., An Energy-Efficient Resource Allocation Scheme for SWIPT-NOMA Based Femtocells Users With Imperfect CSI; *TVT July 2020 7790-7805*

Buller, G.S., see Wallace, A.M., *TVT July 2020 7064-7077*

Burgert, T., see Funke, S.A., *TVT June 2020 5933-5944*

Burgos-Mellado, C., see Diaz, C., *TVT July 2020 7187-7200*

Burke, R., see Chuan, H., *TVT Oct. 2020 10820-10831*

Burleigh, S.C., see Zhou, Y., *TVT Dec. 2020 16126-16141*

Bychkvo, R., see Ivanov, A., *TVT Dec. 2020 15623-15632*

C

C. Rodrigues, J.J.P., see Pradhan, B., *TVT Feb. 2020 1319-1327*

Cabrera Almeida, F.J., see Diaz-Ibarra, M.A., *TVT Oct. 2020 11992-12003*

Cai, B., see Dong, H., *TVT Feb. 2020 1353-1362*

Cai, B., see Jiang, W., *TVT Oct. 2020 10519-10530*

Cai, D., see Pu, Q., *TVT Oct. 2020 10656-10667*

Cai, D., see Xu, Y., *TVT Oct. 2020 12312-12316*

Cai, F., see Zhang, G., *TVT Oct. 2020 12015-12030*

Cai, F., see Lin, Q., *TVT Dec. 2020 14391-14400*

Cai, G., see Ma, H., *TVT Feb. 2020 1666-1678*

Cai, J., see Lu, H., *TVT Dec. 2020 14945-14959*

Cai, J., see Hang, P., *TVT Dec. 2020 14458-14469*

Cai, K., see Gao, B., *TVT Nov. 2020 12482-12496*

Cai, L., see Li, S., *TVT March 2020 3384-3398*

Cai, L., see Zheng, Z., *TVT June 2020 5736-5748*

Cai, L., see Xu, Q., *TVT Dec. 2020 14869-14883*

Cai, L.X., see Han, M., *TVT Aug. 2020 8764-8776*

Cai, L.X., see Zhang, S., *TVT Dec. 2020 15370-15384*

Cai, M., see Zhang, J., *TVT March 2020 3217-3230*

Cai, X., Xu, W., Lau, F.C.M., and Wang, L., Joint Carrier-Code Index Modulation Aided M-Ary Differential Chaos Shift Keying System; *TVT Dec. 2020 15486-15499*

Cai, Y., see Tian, X., *TVT Feb. 2020 1473-1483*

Cai, Y., see Chen, X., *TVT Feb. 2020 2246-2262*

Cai, Y., see Yu, B., *TVT Sept. 2020 10306-10319*

Cai, Y., see Lu, X., *TVT Nov. 2020 13045-13059*

Cai, Y., see Wang, Y., *TVT Dec. 2020 16224-16229*

Cai, Y., see Wang, J., *TVT Dec. 2020 14818-14833*

Cai, Z., see Zhang, J., *TVT Feb. 2020 2114-2125*

Callegaro, A.D., see Bilgin, B., *TVT July 2020 7172-7186*

Calvo, C., see Briso, C., *TVT March 2020 3439-3443*

Camp, J., see Huang, P., *TVT May 2020 4635-4651*

Camp, J., see Liu, H., *TVT Oct. 2020 11295-11307*

Camp, J., see Badi, M., *TVT Dec. 2020 14989-15004*

Campolo, C., see Bazzi, A., *TVT Aug. 2020 9239-9243*

Campos-Delgado, D.U., see Diaz-Ibarra, M.A., *TVT Oct. 2020 11992-12003*

Canberk, B., see Bozkaya, E., *TVT Oct. 2020 12252-12263*

Candelo-Zuluaga, C., Garcia Espinosa, A., Riba, J., and Blanch, P.T., PMSM Design for Achieving a Target Torque-Speed-Efficiency Map; *TVT Dec. 2020 14448-14457*

Cannon, M., see East, S., *TVT Nov. 2020 12751-12762*

Cao, A., Xiao, L., Xiao, P., He, C., and Tafazolli, R., A Tight Upper Bound for Enhanced DCT-OFDM With Index Modulation; *TVT Dec. 2020 16213-16217*

Cao, B., see Qin, H., *TVT April 2020 4542-4547*

Cao, B., see Yang, Y., *TVT Aug. 2020 9185-9189*

Cao, C., see Huang, X., *TVT March 2020 2671-2683*

Cao, D., see Xing, Y., *TVT Feb. 2020 1341-1352*

Cao, D., see Ji, B., *TVT July 2020 7404-7415*

Cao, D., see Wang, H., *TVT Aug. 2020 8164-8175*

Cao, D., see Yu, H., *TVT Nov. 2020 12705-12715*

Cao, F., see Wang, T., *TVT Nov. 2020 13400-13409*

Cao, F., see Song, Y., *TVT Nov. 2020 13424-13436*

Cao, F., see Yang, X., *TVT Dec. 2020 15229-15243*

Cao, H., see Li, B., *TVT March 2020 2376-2388*

Cao, J., see Ma, R., *TVT Feb. 2020 2126-2140*

Cao, J., see Yan, X., *TVT Feb. 2020 2021-2033*

Cao, J., see Wu, H., *TVT July 2020 7679-7691*

Cao, K., Wang, B., Ding, H., Li, T., and Gong, F., Optimal Relay Selection for Secure NOMA Systems Under Untrusted Users; *TVT Feb. 2020 1942-1955*

Cao, L., Chau, K.T., and Lee, C.H., A New Parallel-Hybrid-Excited Permanent-Magnet Machine With Harmonic-Differential Effect for Electric Vehicles; *TVT Nov. 2020 12734-12750*

Cao, N., Chen, Y., Gu, X., and Feng, W., Joint Bi-Static Radar and Communications Designs for Intelligent Transportation; *TVT Nov. 2020 13060-13071*

Cao, Q., see Zhou, J., *TVT Sept. 2020 10046-10058*

Cao, R., see Zheng, X., *TVT Nov. 2020 14099-14103*

Cao, W., see Liu, K., *TVT Nov. 2020 12716-12724*

Cao, Y., see He, S., *TVT Jan. 2020 488-496*

Cao, Y., see Chen, B., *TVT March 2020 3470-3475*

Cao, Y., see Zhang, X., *TVT June 2020 6107-6118*

Cao, Y., Wang, S., Jin, M., Zhao, N., Xing, C., Chen, Y., and Ding, Z., Power Optimization for Enhancing Secrecy of Cooperative User Relaying NOMA Networks; *TVT July 2020 8008-8012*

Cao, Y., Lv, T., Lin, Z., Huang, P., and Lin, F., Complex ResNet Aided DoA Estimation for Near-Field MIMO Systems; *TVT Oct. 2020 11139-11151*

Cao, Y., see Wang, K., *TVT Dec. 2020 16320-16324*

Cao, Z., Guo, H., Song, W., Gao, K., Chen, Z., Zhang, L., and Zhang, X., Using Reinforcement Learning to Minimize the Probability of Delay Occurrence in Transportation; *TVT March 2020 2424-2436*

Cao, Z., see Zhu, H., *TVT Aug. 2020 8725-8738*

Cao, Z., see Zhang, J., *TVT Sept. 2020 9589-9600*

Carballo, A., see Sama, K., *TVT Sept. 2020 9315-9329*

Cardenas, R., see Diaz, C., *TVT July 2020 7187-7200*

Cardiff, B., see Kumar, V., *TVT Oct. 2020 11241-11252*

Carlsson, J., see Kildal, M.S., *TVT Nov. 2020 13165-13179*

Carrasco, J., see Hu, J., *TVT Dec. 2020 14413-14423*

Carvalho, N.B., see Milheiro, J., *TVT Dec. 2020 15127-15136*

Castanheira, D., see Sanson, J.B., *TVT Nov. 2020 13112-13123*

Castedo, L., see Dominguez-Bolano, T., *TVT Oct. 2020 11458-11469*

Castillo, M.D.d., see Artunedo, A., *TVT June 2020 5983-5994*

Caudill, D., see Charbonnier, R., *TVT Dec. 2020 14264-14276*

Cebe, M., see Gabay, D., *TVT June 2020 5760-5772*

Chae, H., Choi, J., and Song, J., Robust and Autonomous Stereo Visual-Inertial Navigation for Non-Holonomic Mobile Robots; *TVT Sept. 2020 9613-9623*

Chae, S.H., Bang, I., and Lee, H., Physical Layer Security of QSTBC With Power Scaling in MIMO Wiretap Channels; *TVT May 2020 5647-5651*

Chakareski, J., see Gupta, S., *TVT March 2020 3310-3321*

Chakravarty, S., see Chamola, V., *TVT Oct. 2020 10569-10580*

Chakravarty, S., see Alladi, T., *TVT Dec. 2020 14188-14197*

Chalal Qazani, M.R., Asadi, H., Bellmann, T., Mohamed, S., Lim, C.P., and Nahavandi, S., Adaptive Washout Filter Based on Fuzzy Logic for a Motion Simulation Platform With Consideration of Joints' Limitations; *TVT Nov. 2020 12547-12558*

Challita, F., see Yusuf, M., *TVT Nov. 2020 12396-12407*

Chambers, J.A., see Abdullah, Z., *TVT March 2020 2993-3007*

Chamola, V., see Hassija, V., *TVT April 2020 4182-4191*

Chamola, V., see Hassija, V., *TVT May 2020 5391-5402*

Chamola, V., see Hassija, V., *TVT June 2020 5799-5812*

Chamola, V., see Hassija, V., *TVT June 2020 5945-5957*

Chamola, V., see Bansal, G., *TVT July 2020 7234-7246*

Chamola, V., Sancheti, A., Chakravarty, S., Kumar, N., and Guizani, M., An IoT and Edge Computing Based Framework for Charge Scheduling and EV Selection in V2G Systems; *TVT Oct. 2020 10569-10580*

Chamola, V., see Alladi, T., *TVT Dec. 2020 15068-15077*

Chamola, V., see Alladi, T., *TVT Dec. 2020 14188-14197*

Champagne, B., see Chen, X., *TVT Feb. 2020 2246-2262*

Chan, C., see Liu, J., *TVT Sept. 2020 9251-9252*

Chan, K.Y., see Liu, Z., *TVT June 2020 6699-6708*

- Chan, K.Y.**, *see* Xie, Y., *TVT Nov. 2020 13673-13685*
- Chang, C.**, *see* Cui, M., *TVT Dec. 2020 15815-15827*
- Chang, D.**, *see* Chen, Y., *TVT Nov. 2020 13702-13717*
- Chang, L.**, *see* Wang, C., *TVT Feb. 2020 2296-2300*
- Chang, L.**, *see* Chen, D., *TVT Oct. 2020 11963-11974*
- Chang, L.**, *see* Lu, H., *TVT Nov. 2020 13319-13327*
- Chang, N.**, *see* Hong, D., *TVT Dec. 2020 14803-14817*
- Chang, S.**, Jang, S., Kim, M., and Cho, S., Mobile Image Communications Using Deep Neural Networks for Heterogeneous User Devices in MIMO Channels; *TVT June 2020 6359-6373*
- Chang, W.**, *see* Hua, Y., *TVT Nov. 2020 12857-12869*
- Chang, X.**, *see* Yao, Y., *TVT Feb. 2020 2185-2194*
- Chang, X.**, *see* Shi, Z., *TVT March 2020 2731-2739*
- Chang, X.**, and Liu, Y., Robust \mathcal{H}_∞ Filtering for Vehicle Sideslip Angle With Quantization and Data Dropouts; *TVT Oct. 2020 10435-10445*
- Chang, Z.**, *see* Zhang, H., *TVT May 2020 5467-5480*
- Chao, C.**, Wang, C., Lee, C., Wei, H., and Chen, W., Pair Auction and Matching for Resource Allocation in Full-Duplex Cellular Systems; *TVT April 2020 4325-4339*
- Chao, H.**, *see* Li, Z., *TVT Sept. 2020 9807-9821*
- Chaoui, H.**, *see* Macias Fernandez, A., *TVT Jan. 2020 220-234*
- Chaoui, H.**, *see* Li, H., *TVT Nov. 2020 12832-12842*
- Charalambous, T.**, *see* Nomikos, N., *TVT Aug. 2020 9157-9162*
- Charbonnier, R.**, Lai, C., Tenoux, T., Caudill, D., Gougeon, G., Senic, J., Gentile, C., Corre, Y., Chuang, J., and Golmie, N., Calibration of Ray-Tracing With Diffuse Scattering Against 28-GHz Directional Urban Channel Measurements; *TVT Dec. 2020 14264-14276*
- Charge, P.**, *see* Li, J., *TVT June 2020 6333-6347*
- Chatterjee, C.**, *see* Bera, A., *TVT June 2020 6680-6687*
- Chatzidiamantis, N.D.**, *see* Petkovic, M.I., *TVT Oct. 2020 11099-11111*
- Chatzikomis, C.**, *see* Ricco, M., *TVT Feb. 2020 1388-1403*
- Chatzinotas, S.**, *see* Papazafeiropoulos, A., *TVT April 2020 3523-3537*
- Chatzinotas, S.**, *see* Tran, D., *TVT Sept. 2020 9483-9496*
- Chau, K.T.**, *see* Cao, L., *TVT Nov. 2020 12734-12750*
- Chau, S.C.**, *see* Ho, I.W., *TVT March 2020 3151-3165*
- Chaudhari, M.S.**, *see* Kumar, S., *TVT June 2020 6254-6263*
- Chaudhary, R.**, and Kumar, N., PARC: Placement Availability Resilient Controller Scheme for Software-Defined Datacenters; *TVT Aug. 2020 8985-9001*
- Che, H.**, *see* Kang, W., *TVT Oct. 2020 11470-11478*
- Che, Y.L.**, *see* Luo, S., *TVT June 2020 6215-6229*
- Che, Y.L.**, *see* Luo, S., *TVT Nov. 2020 14067-14071*
- Cehade, A.A.**, and Hussein, A.A., A Collaborative Gaussian Process Regression Model for Transfer Learning of Capacity Trends Between Li-Ion Battery Cells; *TVT Sept. 2020 9542-9552*
- Chen, B.**, Chen, Y., Cao, Y., Chen, Y., Zhao, N., Ding, Z., and Wang, X., Security Enhancement Using a Novel Two-Slot Cooperative NOMA Scheme; *TVT March 2020 3470-3475*
- Chen, B.**, *see* Xiang, H., *TVT May 2020 5068-5078*
- Chen, B.**, Li, X., Evangelou, S.A., and Lot, R., Joint Propulsion and Cooling Energy Management of Hybrid Electric Vehicles by Optimal Control; *TVT May 2020 4894-4906*
- Chen, B.**, *see* Chen, W., *TVT June 2020 6200-6214*
- Chen, B.**, Wu, L., Wang, H., Zhou, L., and He, D., A Blockchain-Based Searchable Public-Key Encryption With Forward and Backward Privacy for Cloud-Assisted Vehicular Social Networks; *TVT June 2020 5813-5825*
- Chen, B.**, *see* Oncken, J., *TVT Aug. 2020 8420-8432*
- Chen, B.**, *see* Jiang, L., *TVT Dec. 2020 15828-15841*
- Chen, C.**, *see* Liu, H., *TVT Jan. 2020 971-982*
- Chen, C.**, *see* Huang, J., *TVT June 2020 6739-6754*
- Chen, C.**, Computationally Efficient Constructive Interference Precoding for PSK Modulations Under Per-Antenna Power Constraint; *TVT Aug. 2020 9206-9211*
- Chen, C.**, *see* Wang, X., *TVT Sept. 2020 9497-9508*
- Chen, C.**, *see* Lyu, L., *TVT Oct. 2020 12264-12276*
- Chen, C.**, Ding, Y., Guo, S., and Wang, Y., DAVT: An Error-Bounded Vehicle Trajectory Data Representation and Compression Framework; *TVT Oct. 2020 10606-10618*
- Chen, C.**, *see* Yang, P., *TVT Dec. 2020 14355-14364*
- Chen, C.**, *see* Teng, C., *TVT Dec. 2020 15472-15485*
- Chen, C.**, *see* Chen, Q., *TVT Dec. 2020 14316-14329*
- Chen, C.**, *see* Zhou, W., *TVT Dec. 2020 14749-14764*
- Chen, C.W.**, *see* Wu, H., *TVT July 2020 7663-7678*
- Chen, D.**, Liu, Y., Kim, B., Xie, J., Hong, C.S., and Han, Z., Edge Computing Resources Reservation in Vehicular Networks: A Meta-Learning Approach; *TVT May 2020 5634-5646*
- Chen, D.**, *see* Shan, Y., *TVT Oct. 2020 10581-10595*
- Chen, D.**, Yang, C., Gong, P., Chang, L., Shao, J., Ni, Q., Anpalagan, A., and Guizani, M., Resource Cube: Multi-Virtual Resource Management for Integrated Satellite-Terrestrial Industrial IoT Networks; *TVT Oct. 2020 11963-11974*
- Chen, D.**, Weng, J., Huang, F., Zhou, J., Mao, Y., and Liu, X., Heuristic Monte Carlo Algorithm for Unmanned Ground Vehicles Realtime Localization and Mapping; *TVT Oct. 2020 10642-10655*
- Chen, D.**, *see* Liu, W., *TVT Nov. 2020 13556-13566*
- Chen, D.**, Kim, Y., and Stefanopoulou, A.G., Predictive Equivalent Consumption Minimization Strategy With Segmented Traffic Information; *TVT Dec. 2020 14377-14390*
- Chen, E.**, *see* Wu, Z., *TVT May 2020 5244-5254*
- Chen, F.**, *see* Li, J., *TVT June 2020 6333-6347*
- Chen, F.**, *see* Deng, Q., *TVT Oct. 2020 10889-10898*
- Chen, G.**, *see* Ma, H., *TVT Feb. 2020 1666-1678*
- Chen, G.**, *see* Abdullah, Z., *TVT March 2020 2993-3007*
- Chen, G.**, *see* Lai, K., *TVT Nov. 2020 13273-13288*
- Chen, G.**, *see* Pei, X., *TVT Dec. 2020 16304-16308*
- Chen, H.**, *see* Zhang, Y., *TVT Jan. 2020 338-348*
- Chen, H.**, *see* Liu, Q., *TVT Jan. 2020 1055-1059*
- Chen, H.**, Jiang, B., Chen, W., and Li, Z., Edge Computing-Aided Framework of Fault Detection for Traction Control Systems in High-Speed Trains; *TVT Feb. 2020 1309-1318*
- Chen, H.**, *see* Zhang, D., *TVT Feb. 2020 1595-1611*
- Chen, H.**, Mi, D., Clerckx, B., Chu, Z., Shi, J., and Xiao, P., Joint Power and Subcarrier Allocation Optimization for Multigroup Multicast Systems With Rate Splitting; *TVT Feb. 2020 2306-2310*
- Chen, H.**, *see* Jiang, Z., *TVT Feb. 2020 2157-2170*
- Chen, H.**, *see* Zhang, L., *TVT March 2020 2598-2612*
- Chen, H.**, *see* Jiang, Y., *TVT March 2020 2980-2992*
- Chen, H.**, *see* Bian, F., *TVT March 2020 2588-2597*
- Chen, H.**, *see* Yang, Q., *TVT March 2020 2967-2979*
- Chen, H.**, *see* Liu, X., *TVT March 2020 2878-2890*
- Chen, H.**, *see* Wu, J., *TVT July 2020 7040-7053*
- Chen, H.**, *see* Liu, Y., *TVT July 2020 7281-7294*
- Chen, H.**, *see* Wang, X., *TVT Oct. 2020 11515-11528*
- Chen, H.**, *see* Liu, Q., *TVT Oct. 2020 10545-10557*
- Chen, H.**, *see* Hu, X., *TVT Oct. 2020 10787-10796*
- Chen, H.**, *see* Gao, B., *TVT Nov. 2020 12482-12496*
- Chen, H.**, *see* Luo, X., *TVT Dec. 2020 14932-14944*
- Chen, H.**, *see* Zhao, B., *TVT Dec. 2020 14631-14644*
- Chen, H.**, Hua, J., Wen, J., Zhou, K., Li, J., Wang, D., and You, X., Uplink Interference Analysis of F-OFDM Systems Under Non-Ideal Synchronization; *TVT Dec. 2020 15500-15517*
- Chen, H.**, *see* Xiao, Z., *TVT Dec. 2020 14537-14549*
- Chen, J.**, *see* Zhang, Y., *TVT Jan. 2020 948-957*
- Chen, J.**, Zhang, L., Liang, Y., and Ma, S., Optimal Resource Allocation for Multicarrier NOMA in Short Packet Communications; *TVT Feb. 2020 2141-2156*
- Chen, J.**, *see* Zhang, Q., *TVT March 2020 3280-3295*
- Chen, J.**, *see* Wang, H., *TVT April 2020 4569-4574*
- Chen, J.**, *see* Zhang, J., *TVT May 2020 5666-5671*
- Chen, J.**, Zhang, C., Luo, J., Xie, J., and Wan, Y., Driving Maneuvers Prediction Based Autonomous Driving Control by Deep Monte Carlo Tree Search; *TVT July 2020 7146-7158*
- Chen, J.**, *see* Xie, J., *TVT July 2020 6964-6976*
- Chen, J.**, Low-Cost and Power-Efficient Massive MIMO Precoding: Architecture and Algorithm Designs; *TVT July 2020 7429-7442*

- Chen, J.**, Wu, H., Yang, P., Lyu, F., and Shen, X., Cooperative Edge Caching With Location-Based and Popular Contents for Vehicular Networks; *TVT Sept. 2020 10291-10305*
- Chen, J.**, see Feng, B., *TVT Sept. 2020 10115-10126*
- Chen, J.**, Feng, W., Xing, J., Yang, P., Sobelman, G.E., Lin, D., and Li, S., Hybrid Beamforming/Combining for Millimeter Wave MIMO: A Machine Learning Approach; *TVT Oct. 2020 11353-11368*
- Chen, J.**, see Jin, J., *TVT Nov. 2020 13497-13509*
- Chen, J.**, Energy-Efficient Analog Combiner Design Using Low-Resolution Phase Shifters and Antenna Selection for mmWave D2D Communications; *TVT Nov. 2020 13979-13984*
- Chen, J.**, see Xu, Y., *TVT Nov. 2020 13018-13032*
- Chen, J.**, see Wen, S., *TVT Nov. 2020 12470-12481*
- Chen, J.**, see Zhou, H., *TVT Nov. 2020 13510-13520*
- Chen, L.**, see Zou, Q., *TVT Jan. 2020 41-54*
- Chen, L.**, see Qin, M., *TVT Feb. 2020 1582-1594*
- Chen, L.**, see Yang, Q., *TVT March 2020 2967-2979*
- Chen, L.**, see Zhang, J., *TVT Sept. 2020 9589-9600*
- Chen, L.**, see Shan, Y., *TVT Oct. 2020 10581-10595*
- Chen, L.**, see Shan, Y., *TVT Oct. 2020 10581-10595*
- Chen, L.**, see Zhang, J., *TVT Dec. 2020 14713-14726*
- Chen, L.**, see Wang, J., *TVT Dec. 2020 14818-14833*
- Chen, M.**, see Pan, Z., *TVT April 2020 3641-3653*
- Chen, M.**, see Zhang, J., *TVT Oct. 2020 11152-11168*
- Chen, M.**, and Zhu, D., Optimal Time-Consuming Path Planning for Autonomous Underwater Vehicles Based on a Dynamic Neural Network Model in Ocean Current Environments; *TVT Dec. 2020 14401-14412*
- Chen, N.**, see Liu, H., *TVT Jan. 2020 971-982*
- Chen, N.**, see Gao, Y., *TVT April 2020 4580-4584*
- Chen, N.**, see Wang, X., *TVT Aug. 2020 8613-8626*
- Chen, P.**, Shang, J., and Gu, F., Learning RSSI Feature via Ranking Model for Wi-Fi Fingerprinting Localization; *TVT Feb. 2020 1695-1705*
- Chen, P.**, see Ma, H., *TVT Feb. 2020 1666-1678*
- Chen, P.**, see Wu, J., *TVT July 2020 7040-7053*
- Chen, P.**, see Yang, X., *TVT Oct. 2020 11419-11427*
- Chen, Q.**, see Zheng, L., *TVT Jan. 2020 818-827*
- Chen, Q.**, see Huang, X., *TVT March 2020 2671-2683*
- Chen, Q.**, see Xu, P., *TVT April 2020 4548-4552*
- Chen, Q.**, and Wang, L., Design and Analysis of Joint Source Channel Coding Schemes Over Non-Standard Coding Channels; *TVT May 2020 5369-5380*
- Chen, Q.**, see Ren, J., *TVT June 2020 6485-6499*
- Chen, Q.**, see Wang, C., *TVT Aug. 2020 9234-9238*
- Chen, Q.**, Meng, W., Han, S., and Li, C., Service-Oriented Fair Resource Allocation and Auction for Civil Aircrafts Augmented Space-Air-Ground Integrated Networks; *TVT Nov. 2020 13658-13672*
- Chen, Q.**, see Xu, C., *TVT Nov. 2020 12621-12634*
- Chen, Q.**, see Hu, H., *TVT Nov. 2020 13890-13904*
- Chen, Q.**, Lau, F.C.M., Wu, H., and Chen, C., Analysis and Improvement of Error-Floor Performance for JSCC Scheme Based on Double Protograph LDPC Codes; *TVT Dec. 2020 14316-14329*
- Chen, R.**, see Hu, J., *TVT Jan. 2020 1080-1085*
- Chen, R.**, see Si-Ma, L., *TVT June 2020 6437-6451*
- Chen, R.**, Li, Z., Shi, J., Yang, L., and Hu, J., Achieving Covert Communication in Overlay Cognitive Radio Networks; *TVT Dec. 2020 15113-15126*
- Chen, S.**, see Guo, X., *TVT Jan. 2020 428-442*
- Chen, S.**, see Lin, C., *TVT Feb. 2020 1505-1518*
- Chen, S.**, see Yang, J., *TVT April 2020 4460-4471*
- Chen, S.**, see Sha, Z., *TVT April 2020 3929-3942*
- Chen, S.**, see Zhao, P., *TVT May 2020 5164-5178*
- Chen, S.**, Wang, M., Song, W., Yang, Y., Li, Y., and Fu, M., Stabilization Approaches for Reinforcement Learning-Based End-to-End Autonomous Driving; *TVT May 2020 4740-4750*
- Chen, S.**, see Song, H., *TVT July 2020 7596-7608*
- Chen, S.**, Yang, B., Yang, J., and Hanzo, L., Dynamic Resource Allocation for Scalable Video Multirate Multicast Over Wireless Networks; *TVT Sept. 2020 10227-10241*
- Chen, S.**, see Qiao, L., *TVT Sept. 2020 10391-10396*
- Chen, S.**, see Li, C., *TVT Sept. 2020 10264-10277*
- Chen, S.**, see Ren, H., *TVT Oct. 2020 10619-10629*
- Chen, S.**, see Chen, Y., *TVT Dec. 2020 14602-14617*
- Chen, W.**, Zhao, S., Shi, Q., and Zhang, R., Resonant Beam Charging-Powered UAV-Assisted Sensing Data Collection; *TVT Jan. 2020 1086-1090*
- Chen, W.**, see Chen, H., *TVT Feb. 2020 1309-1318*
- Chen, W.**, see Qin, H., *TVT April 2020 4542-4547*
- Chen, W.**, see Chao, C., *TVT April 2020 4325-4339*
- Chen, W.**, and Chen, B., Multiobjective Beamforming Power Control for Robust SINR Target Tracking and Power Efficiency in Multicell MU-MIMO Wireless System; *TVT June 2020 6200-6214*
- Chen, W.**, see Chen, W., *TVT June 2020 6200-6214*
- Chen, W.**, see Liu, B., *TVT Aug. 2020 8777-8791*
- Chen, W.**, see Hwang, R., *TVT Oct. 2020 12072-12084*
- Chen, W.**, see Dai, C., *TVT Oct. 2020 11169-11178*
- Chen, W.**, see Chung, C., *TVT Nov. 2020 12974-12991*
- Chen, W.**, see Wang, K., *TVT Nov. 2020 13579-13592*
- Chen, W.**, Liu, J., and Guo, H., Achieving Robust and Efficient Consensus for Large-Scale Drone Swarm; *TVT Dec. 2020 15867-15879*
- Chen, X.**, and Leung, K., Non-Cooperative and Cooperative Optimization of Scheduling With Vehicle-to-Grid Regulation Services; *TVT Jan. 2020 114-130*
- Chen, X.**, see Shen, J., *TVT Jan. 2020 807-817*
- Chen, X.**, Cai, Y., Li, L., Zhao, M., Champagne, B., and Hanzo, L., Energy-Efficient Resource Allocation for Latency-Sensitive Mobile Edge Computing; *TVT Feb. 2020 2246-2262*
- Chen, X.**, see Kou, L., *TVT March 2020 2513-2524*
- Chen, X.**, see Kuang, Q., *TVT April 2020 4353-4366*
- Chen, X.**, see Ding, X., *TVT July 2020 7648-7662*
- Chen, X.**, see Shi, Q., *TVT July 2020 7778-7789*
- Chen, X.**, Yang, Z., Zhao, N., Chen, Y., Wang, J., Ding, Z., and Yu, F.R., Secure Transmission via Power Allocation in NOMA-UAV Networks With Circular Trajectory; *TVT Sept. 2020 10033-10045*
- Chen, X.**, see Zhou, P., *TVT Oct. 2020 12187-12201*
- Chen, X.**, see Wang, X., *TVT Oct. 2020 12148-12161*
- Chen, X.**, see Xiong, K., *TVT Nov. 2020 12652-12663*
- Chen, X.**, Feng, Z., Wei, Z., Gao, F., and Yuan, X., Performance of Joint Sensing-Communication Cooperative Sensing UAV Network; *TVT Dec. 2020 15545-15556*
- Chen, X.**, see Wang, Y., *TVT Dec. 2020 16224-16229*
- Chen, X.**, Morton, Y.J., Yu, W., and Truong, T., GPS L1CA/BDS B1I Multipath Channel Measurements and Modeling for Dynamic Land Vehicle in Shanghai Dense Urban Area; *TVT Dec. 2020 14247-14263*
- Chen, Y.**, see Yang, F., *TVT Jan. 2020 771-783*
- Chen, Y.**, see Qin, M., *TVT Feb. 2020 1582-1594*
- Chen, Y.**, see Chen, B., *TVT March 2020 3470-3475*
- Chen, Y.**, see Chen, B., *TVT March 2020 3470-3475*
- Chen, Y.**, see Zhao, N., *TVT April 2020 3994-4005*
- Chen, Y.**, see Gao, Y., *TVT April 2020 4580-4584*
- Chen, Y.**, see Si, Q., *TVT May 2020 5683-5687*
- Chen, Y.**, Zhang, H., and Hu, Y., Optimal Power and Bandwidth Allocation for Multiuser Video Streaming in UAV Relay Networks; *TVT June 2020 6644-6655*
- Chen, Y.**, see Shen, L., *TVT July 2020 7458-7472*
- Chen, Y.**, see Song, H., *TVT July 2020 7596-7608*
- Chen, Y.**, see Hou, T., *TVT July 2020 7558-7568*
- Chen, Y.**, see Cao, Y., *TVT July 2020 8008-8012*
- Chen, Y.**, Wang, Y., Liu, M., Zhang, J., and Jiao, L., Network Slicing Enabled Resource Management for Service-Oriented Ultra-Reliable and Low-Latency Vehicular Networks; *TVT July 2020 7847-7862*
- Chen, Y.**, see Liu, X., *TVT Aug. 2020 8329-8342*
- Chen, Y.**, Huang, S., Wu, T., Tsai, W., Liou, C., and Mao, S., UWB System for Indoor Positioning and Tracking With Arbitrary Target Orientation, Optimal Anchor Location, and Adaptive NLOS Mitigation; *TVT Sept. 2020 9304-9314*
- Chen, Y.**, Ai, B., Niu, Y., Han, Z., He, R., Zhong, Z., and Shi, G., Sub-Channel Allocation for Full-Duplex Access and Device-to-Device Links Underlying

- Heterogeneous Cellular Networks Using Coalition Formation Games; *TVT Sept. 2020* 9736-9749
- Chen, Y.**, see Chen, X., *TVT Sept. 2020* 10033-10045
- Chen, Y.**, see Liu, Y., *TVT Oct. 2020* 11659-11672
- Chen, Y.**, see Ma, R., *TVT Oct. 2020* 12338-12342
- Chen, Y.**, see Liu, L., *TVT Oct. 2020* 12085-12097
- Chen, Y.**, Wang, Y., Zhang, J., and Li, Z., Resource Allocation for Intelligent Reflecting Surface Aided Vehicular Communications; *TVT Oct. 2020* 12321-12326
- Chen, Y.**, see Yan, H., *TVT Nov. 2020* 12883-12896
- Chen, Y.**, see Zhang, Y., *TVT Nov. 2020* 13482-13496
- Chen, Y.**, see Xu, M., *TVT Nov. 2020* 13728-13740
- Chen, Y.**, see Fan, B., *TVT Nov. 2020* 13328-13340
- Chen, Y.**, Xiao, F., Xie, L., Huang, H., and Sun, L., Tsarray: An Intelligent Access Control System Using Backscatter Communication; *TVT Nov. 2020* 13821-13835
- Chen, Y.**, Chang, D., and Zhang, C., Autonomous Tracking Using a Swarm of UAVs: A Constrained Multi-Agent Reinforcement Learning Approach; *TVT Nov. 2020* 13702-13717
- Chen, Y.**, see Lin, K., *TVT Nov. 2020* 12694-12704
- Chen, Y.**, see Xue, W., *TVT Nov. 2020* 13196-13205
- Chen, Y.**, see Cao, N., *TVT Nov. 2020* 13060-13071
- Chen, Y.**, see Pei, X., *TVT Dec. 2020* 16304-16308
- Chen, Y.**, see Huang, Y., *TVT Dec. 2020* 14727-14738
- Chen, Y.**, see Hoseini, S.A., *TVT Dec. 2020* 15458-15471
- Chen, Y.**, Chen, S., Ren, H., Gao, Z., and Liu, Z., Path Tracking and Handling Stability Control Strategy With Collision Avoidance for the Autonomous Vehicle Under Extreme Conditions; *TVT Dec. 2020* 14602-14617
- Chen, Z.**, see Wang, J., *TVT March 2020* 3459-3464
- Chen, Z.**, see Cao, Z., *TVT March 2020* 2424-2436
- Chen, Z.**, see Zhang, Q., *TVT March 2020* 3280-3295
- Chen, Z.**, see Li, J., *TVT June 2020* 6011-6024
- Chen, Z.**, see Wang, L., *TVT June 2020* 6165-6177
- Chen, Z.**, see Xia, S., *TVT July 2020* 6856-6868
- Chen, Z.**, Chi, K., Zheng, K., Li, Y., and Liu, X., Common Throughput Maximization in Wireless Powered Communication Networks With Non-Orthogonal Multiple Access; *TVT July 2020* 7692-7706
- Chen, Z.**, see Xue, W., *TVT Nov. 2020* 13196-13205
- Chen, Z.**, see Xue, Q., *TVT Dec. 2020* 14765-14779
- Chen, Z.**, see Wang, P., *TVT Dec. 2020* 14960-14973
- Chen-Hu, K.**, Liu, Y., and Armada, A.G., Non-Coherent Massive MIMO-OFDM Down-Link Based on Differential Modulation; *TVT Oct. 2020* 11281-11294
- Cheng, B.**, see Wang, M., *TVT April 2020* 4042-4057
- Cheng, C.**, Qiao, X., Luo, H., Wang, G., Teng, W., and Zhang, B., Data-Driven Incipient Fault Detection and Diagnosis for the Running Gear in High-Speed Trains; *TVT Sept. 2020* 9566-9576
- Cheng, C.**, see Liu, X., *TVT Dec. 2020* 16173-16177
- Cheng, J.**, Yuan, G., Zhou, M., Gao, S., Liu, C., Duan, H., and Zeng, Q., Accessibility Analysis and Modeling for IoV in an Urban Scene; *TVT April 2020* 4246-4256
- Cheng, J.**, see Guo, K., *TVT Aug. 2020* 9053-9067
- Cheng, J.**, see Cheng, M., *TVT Nov. 2020* 13098-13111
- Cheng, J.**, see Zhou, W., *TVT Dec. 2020* 14749-14764
- Cheng, K.**, Bai, Y., Zhou, Y., Tang, Y., Sanan, D., and Liu, Y., CANeelon: Protecting CAN Bus With Frame ID Chameleon; *TVT July 2020* 7116-7130
- Cheng, M.**, see Tong, M., *TVT April 2020* 3793-3804
- Cheng, M.**, see Wang, J., *TVT Aug. 2020* 8843-8854
- Cheng, M.**, Wang, J., Cheng, J., Wang, J., and Lin, M., Joint Scheduling and Precoding for mmWave and Sub-6GHz Dual-Mode Networks; *TVT Nov. 2020* 13098-13111
- Cheng, N.**, see Sun, R., *TVT Jan. 2020* 636-650
- Cheng, N.**, see Li, M., *TVT March 2020* 3424-3438
- Cheng, N.**, see Wu, W., *TVT May 2020* 5293-5306
- Cheng, N.**, see Liu, Y., *TVT July 2020* 7281-7294
- Cheng, N.**, see Sun, R., *TVT Aug. 2020* 8529-8541
- Cheng, N.**, see Liu, P., *TVT Oct. 2020* 10630-10641
- Cheng, N.**, see Lyu, L., *TVT Oct. 2020* 12264-12276
- Cheng, Q.**, see Li, L., *TVT Dec. 2020* 15594-15605
- Cheng, S.**, see Li, K., *TVT July 2020* 7026-7039
- Cheng, T.**, see Sui, Y., *TVT Nov. 2020* 13383-13399
- Cheng, W.**, see Liang, L., *TVT April 2020* 3864-3878
- Cheng, W.**, see Zhang, M., *TVT June 2020* 6041-6052
- Cheng, W.**, see Zou, Y., *TVT Oct. 2020* 12369-12373
- Cheng, W.**, see Liu, P., *TVT Oct. 2020* 11570-11583
- Cheng, X.**, Yang, Y., and Li, S., Joint Compensation of Transmitter and Receiver I/Q Imbalances for SC-FDE Systems; *TVT Aug. 2020* 8483-8498
- Cheng, X.**, see Yang, P., *TVT Dec. 2020* 14355-14364
- Cheng, Y.**, see Han, M., *TVT Aug. 2020* 8764-8776
- Cheng, Y.**, see Sun, Y., *TVT Sept. 2020* 9601-9612
- Cheng, Y.**, see Deng, Q., *TVT Oct. 2020* 10889-10898
- Cheng, Y.**, see Li, H., *TVT Dec. 2020* 14330-14340
- Cheng, Y.**, see Zhang, X., *TVT Dec. 2020* 14893-14902
- Cheng, Y.**, see Zhang, S., *TVT Dec. 2020* 15370-15384
- Cheong, J.W.**, see Xiong, J., *TVT Jan. 2020* 714-727
- Cheong, J.W.**, see Xiong, J., *TVT Sept. 2020* 9528-9541
- Chi, K.**, see Chen, Z., *TVT July 2020* 7692-7706
- Chi, K.**, see Zheng, K., *TVT July 2020* 7545-7557
- Chiang, K.**, Tsai, G., Chu, H., and El-Sheimy, N., Performance Enhancement of INS/GNSS/Refreshed-SLAM Integration for Acceptable Lane-Level Navigation Accuracy; *TVT March 2020* 2463-2476
- Chiang, P.**, see Ku, Y., *TVT Oct. 2020* 11975-11991
- Chien, H.**, Lin, Y., Lai, C., and Wang, C., End-to-End Slicing With Optimized Communication and Computing Resource Allocation in Multi-Tenant 5G Systems; *TVT Feb. 2020* 2079-2091
- Chien, H.**, see Li, C., *TVT March 2020* 3231-3243
- Chigan, C.**, see Ma, X., *TVT Sept. 2020* 9553-9565
- Chin, K.**, see Liu, Y., *TVT April 2020* 4233-4245
- Chin, K.**, see Ren, Y., *TVT May 2020* 5255-5267
- Chin, K.**, see Fei, J., *TVT July 2020* 7835-7846
- Chin, K.**, see He, T., *TVT Oct. 2020* 11880-11892
- Chin, K.**, see Luo, Y., *TVT Oct. 2020* 11868-11879
- Chin, K.**, see Fei, J., *TVT Dec. 2020* 15908-15919
- Chiti, F.**, see Bonadio, A., *TVT Feb. 2020* 2049-2057
- Chiu, C.**, see Li, C., *TVT Sept. 2020* 10264-10277
- Chiu, Y.**, see Ting, P., *TVT Aug. 2020* 8257-8266
- Cho, J.H.**, see Kim, J., *TVT Sept. 2020* 9445-9458
- Cho, S.**, see Youn, Y., *TVT Feb. 2020* 1719-1726
- Cho, S.**, see Chang, S., *TVT June 2020* 6359-6373
- Cho, Y.H.**, see Hong, D., *TVT Dec. 2020* 14803-14817
- Choi, E.**, see Jeong, W., *TVT Nov. 2020* 13916-13920
- Choi, E.Y.**, see Suh, J., *TVT Feb. 2020* 1495-1504
- Choi, H.**, see Jo, H.J., *TVT Feb. 2020* 2204-2218
- Choi, H.**, see Lee, K., *TVT March 2020* 3500-3504
- Choi, H.**, see Jeong, K., *TVT April 2020* 3852-3863
- Choi, H.**, and Moon, H., Throughput of CDM-Based Random Access With SINR Capture; *TVT Dec. 2020* 15046-15056
- Choi, J.**, see Bai, L., *TVT Jan. 2020* 497-508
- Choi, J.**, see Joung, J., *TVT Feb. 2020* 2316-2321
- Choi, J.**, see Yu, Q., *TVT Feb. 2020* 1777-1791
- Choi, J.**, Repetition-Based NOMA Transmission and Its Outage Probability Analysis; *TVT June 2020* 5913-5922
- Choi, J.**, see Pokhrel, S.R., *TVT June 2020* 6798-6802
- Choi, J.**, see Choi, S., *TVT June 2020* 5901-5912
- Choi, J.**, see Chae, H., *TVT Sept. 2020* 9613-9623
- Choi, J.**, see Nemati, M., *TVT Nov. 2020* 13229-13242
- Choi, J.**, see Jeong, W., *TVT Nov. 2020* 13916-13920
- Choi, S.**, Oh, S., Kim, M., Lee, I., and Lee, J., Interleaved Isolated Single-Phase PFC Converter Module for Three-Phase EV Charger; *TVT May 2020* 4957-4967
- Choi, S.**, Choi, J., and Bahk, S., Mobility-Aware Analysis of Millimeter Wave Communication Systems With Blockages; *TVT June 2020* 5901-5912
- Choi, S.**, see Hwang, S., *TVT Dec. 2020* 15177-15187
- Choi, S.B.**, see Kim, D., *TVT March 2020* 2525-2536
- Choi, S.B.**, see Park, G., *TVT April 2020* 3668-3679

- Choi, S.B.**, see Jeong, K., *TVT April 2020 3852-3863*
- Choi, S.B.**, see Jung, S., *TVT Sept. 2020 9577-9588*
- Choi, W.**, see Jo, H.J., *TVT Feb. 2020 2204-2218*
- Choi, W.**, see Kang, Y., *TVT Nov. 2020 13180-13195*
- Choi, Y.**, see Deng, Y., *TVT July 2020 7295-7305*
- Chong, Y.**, see Kim, J., *TVT Sept. 2020 9445-9458*
- Choo, K.R.**, see Aujla, G.S., *TVT June 2020 5850-5863*
- Choo, K.R.**, see Jiang, Q., *TVT Sept. 2020 9390-9401*
- Chou, C.**, see Teng, C., *TVT Dec. 2020 15472-15485*
- Chouali, S.**, Boukerche, A., Mostefaoui, A., and Merzoug, M.A., Formal Verification and Performance Analysis of a New Data Exchange Protocol for Connected Vehicles; *TVT Dec. 2020 15385-15397*
- Chowdhury, K.**, see Soltani, N., *TVT Dec. 2020 15518-15531*
- Chowdhury, M.**, see Islam, M., *TVT Sept. 2020 9402-9416*
- Christensen, R.**, see Ferrin, C., *TVT May 2020 4803-4816*
- Chronopoulos, A.T.**, see Xiao, H., *TVT Jan. 2020 1101-1105*
- Chronopoulos, A.T.**, see Liu, X., *TVT Sept. 2020 9707-9719*
- Chu, H.**, see Chiang, K., *TVT March 2020 2463-2476*
- Chu, P.**, Zhang, J.A., Wang, X., Fei, Z., Fang, G., and Wang, D., Interference Characterization and Power Optimization for Automotive Radar With Directional Antenna; *TVT April 2020 3703-3716*
- Chu, X.**, see Feng, J., *TVT July 2020 7863-7878*
- Chu, X.**, see Hu, H., *TVT Nov. 2020 13890-13904*
- Chu, X.**, see Liu, Z., *TVT Nov. 2020 13532-13545*
- Chu, Z.**, see Chen, H., *TVT Feb. 2020 2306-2310*
- Chuah, J.H.**, see Soon, F.C., *TVT Aug. 2020 8267-8277*
- Chuai, G.**, see Liu, Q., *TVT Aug. 2020 8832-8842*
- Chuan, H.**, Fazeli, S.M., Wu, Z., and Burke, R., Mitigating the Torque Ripple in Electric Traction Using Proportional Integral Resonant Controller; *TVT Oct. 2020 10820-10831*
- Chuang, C.**, see Kumar, G.V., *TVT May 2020 5012-5024*
- Chuang, J.**, see Charbonnier, R., *TVT Dec. 2020 14264-14276*
- Chun, C.**, and Kang, J., Optimal Training Design for MIMO Amplify-and-Forward Two-Way Relay Systems in the Presence of Interference; *TVT May 2020 5151-5163*
- Chung, C.**, Chen, W., and Yang, C., Constant-Amplitude Sequences for Spectrally Compact OFDM Training Waveforms; *TVT Nov. 2020 12974-12991*
- Chung, J.**, see Lee, J., *TVT Feb. 2020 1375-1387*
- Cimini, L.J.**, see Liu, G., *TVT Aug. 2020 9152-9156*
- Cirimele, V.**, Diana, M., Bellotti, F., Berta, R., Sayed, N.E., Kobeissi, A., Guglielmi, P., Ruffo, R., Khalilian, M., La Ganga, A., Colussi, J., and Gloria, A.D., The Fabric ICT Platform for Managing Wireless Dynamic Charging Road Lanes; *TVT March 2020 2501-2512*
- Clerckx, B.**, see Chen, H., *TVT Feb. 2020 2306-2310*
- Clerckx, B.**, see Park, J., *TVT May 2020 5268-5280*
- Clerckx, B.**, see Hu, Y., *TVT May 2020 5672-5676*
- Clerckx, B.**, see Yalcin, A.Z., *TVT Oct. 2020 12281-12285*
- Colussi, J.**, see Cirimele, V., *TVT March 2020 2501-2512*
- Comert, G.**, see Islam, M., *TVT Sept. 2020 9402-9416*
- Cong, X.**, Zhang, C., Jiang, J., Zhang, W., and Jiang, Y., A Hybrid Method for the Prediction of the Remaining Useful Life of Lithium-Ion Batteries With Accelerated Capacity Degradation; *TVT Nov. 2020 12775-12785*
- Corno, M.**, and Pozzato, G., Active Adaptive Battery Aging Management for Electric Vehicles; *TVT Jan. 2020 258-269*
- Corre, Y.**, see Charbonnier, R., *TVT Dec. 2020 14264-14276*
- Correa, F.C.**, see Eckert, J.J., *TVT April 2020 3773-3782*
- Correia, A.**, see Souto, N., *TVT Oct. 2020 12333-12337*
- Corvaja, R.**, and Armada, A.G., Analysis of SVD-Based Hybrid Schemes for Massive MIMO With Phase Noise and Imperfect Channel Estimation; *TVT July 2020 7325-7338*
- Cosman, P.**, see Zhang, B., *TVT Oct. 2020 11338-11352*
- Costa, D.B.d.**, see Nguyen, T.V., *TVT March 2020 2684-2699*
- Costa, M.**, see Rastorgueva-Foi, E., *TVT Dec. 2020 15842-15856*
- Cruden, A.**, see Krueger, H., *TVT May 2020 4727-4739*
- Cruikshank, H.**, see Hathal, W., *TVT Dec. 2020 16110-16125*
- Cruz, S.B.**, and Aguiar, A., MagLand: Magnetic Landmarks for Road Vehicle Localization; *TVT April 2020 3654-3667*
- Cui, G.**, see Yu, X., *TVT Jan. 2020 522-536*
- Cui, G.**, see Sun, Z., *TVT June 2020 6525-6540*
- Cui, G.**, see Shi, Q., *TVT Sept. 2020 10009-10018*
- Cui, G.**, see Yang, J., *TVT Sept. 2020 9781-9794*
- Cui, G.**, Zhu, Q., Xu, L., and Wang, W., Secure Beamforming and Jamming for Multibeam Satellite Systems With Correlated Wiretap Channels; *TVT Oct. 2020 12348-12353*
- Cui, J.**, see Huang, J., *TVT April 2020 3903-3915*
- Cui, J.**, see Zhang, J., *TVT July 2020 7940-7954*
- Cui, J.**, Wang, Y., Zhang, J., Xu, Y., and Zhong, H., Full Session Key Agreement Scheme Based on Chaotic Map in Vehicular Ad Hoc Networks; *TVT Aug. 2020 8914-8924*
- Cui, J.**, and Zhang, B., VeRA: A Simplified Security Risk Analysis Method for Autonomous Vehicles; *TVT Oct. 2020 10494-10505*
- Cui, L.**, Yuan, Z., Ming, Z., and Yang, S., Improving the Congestion Control Performance for Mobile Networks in High-Speed Railway via Deep Reinforcement Learning; *TVT June 2020 5864-5875*
- Cui, M.**, Han, D., Wang, J., Li, K., and Chang, C., ARFV: An Efficient Shared Data Auditing Scheme Supporting Revocation for Fog-Assisted Vehicular Ad-Hoc Networks; *TVT Dec. 2020 15815-15827*
- Cui, Q.**, see Zhang, X., *TVT March 2020 3296-3309*
- Cui, R.**, see Fan, Y., *TVT Jan. 2020 282-292*
- Cui, S.**, Wang, Y., Wang, S., Wang, R., Wang, W., and Tan, M., Real-Time Perception and Positioning for Creature Picking of an Underwater Vehicle; *TVT April 2020 3783-3792*
- Cui, S.**, see Zhao, Y., *TVT Nov. 2020 14078-14082*
- Cui, X.**, see He, Z., *TVT Dec. 2020 14618-14630*
- Cui, Y.**, see Jiang, Y., *TVT May 2020 5219-5231*
- Cui, Y.**, see Wen, W., *TVT July 2020 7879-7894*
- Cui, Z.**, see Briso, C., *TVT March 2020 3439-3443*
- Curtmola, R.**, see Guo, C., *TVT May 2020 4855-4868*
- Cvetkovic, A.M.**, see Petkovic, M.I., *TVT Oct. 2020 11099-11111*
- Czarkowski, D.**, see Deng, Q., *TVT Oct. 2020 10889-10898*

D

- D'Acerno, L.**, see Botte, M., *TVT Dec. 2020 14131-14140*
- da Costa, D.B.**, see ElHalawany, B.M., *TVT Jan. 2020 1046-1050*
- da Costa, D.B.**, see Yang, Z., *TVT Jan. 2020 390-404*
- da Costa, D.B.**, see Badarneh, O.S., *TVT March 2020 3444-3448*
- da Costa, D.B.**, see Silva, P.E.G., *TVT June 2020 6766-6770*
- da Costa, D.B.**, see Lima, B.K.S., *TVT Nov. 2020 14061-14066*
- da Costa, D.B.**, see Li, S., *TVT Nov. 2020 14043-14048*
- Dabaghchian, M.**, see Alipour-Fanid, A., *TVT Nov. 2020 12679-12693*
- Dabiri, M.T.**, Rezaee, M., Ansari, I.S., and Yazdani, V., Channel Modeling for UAV-Based Optical Wireless Links With Nonzero Boresight Pointing Errors; *TVT Dec. 2020 14238-14246*
- Dagefu, F.T.**, see Kong, J., *TVT Sept. 2020 9682-9696*
- Dai, C.**, Liu, X., Chen, W., and Lai, C., A Low-Latency Object Detection Algorithm for the Edge Devices of IoV Systems; *TVT Oct. 2020 11169-11178*
- Dai, J.**, see Piao, J., *TVT Oct. 2020 11557-11569*
- Dai, N.**, see Liu, L., *TVT Dec. 2020 14645-14656*
- Dai, P.**, Hang, Z., Liu, K., Wu, X., Xing, H., Yu, Z., and Lee, V.C.S., Multi-Armed Bandit Learning for Computation-Intensive Services in MEC-Enabled Vehicular Networks; *TVT July 2020 7821-7834*
- Dai, Q.**, see Zou, Q., *TVT Jan. 2020 41-54*
- Dai, S.**, Li Wang, M., Gao, Z., Huang, L., Du, X., and Guizani, M., An Adaptive Computation Offloading Mechanism for Mobile Health Applications; *TVT Jan. 2020 998-1007*
- Dai, X.**, see Zhao, H., *TVT May 2020 4700-4710*
- Dai, X.**, see Yang, W., *TVT June 2020 5749-5759*
- Dai, X.**, see Zhang, Z., *TVT Oct. 2020 11233-11240*
- Dai, X.**, see Sun, Y., *TVT Nov. 2020 14001-14006*
- Dai, Y.**, Xu, D., Zhang, K., Maharjan, S., and Zhang, Y., Deep Reinforcement Learning and Permissioned Blockchain for Content Caching in Vehicular Edge Computing and Networks; *TVT April 2020 4312-4324*
- Dai, Y.**, see Guo, S., *TVT May 2020 5549-5561*

- Dai, Y.**, Zhang, K., Maharjan, S., and Zhang, Y., Edge Intelligence for Energy-Efficient Computation Offloading and Resource Allocation in 5G Beyond; *TVT Oct. 2020 12175-12186*
- Dai, Z.**, Wang, G., Jin, X., and Lou, X., Nearly Optimal Sensor Selection for TDOA-Based Source Localization in Wireless Sensor Networks; *TVT Oct. 2020 12031-12042*
- Dang, J.**, see Wu, L., *TVT June 2020 6803-6807*
- Dang, T.**, see Rahman, G.M.S., *TVT April 2020 4401-4411*
- Dao, H.T.**, and Kim, S., Power Allocation for Multiple User-Type Massive MIMO Systems; *TVT Oct. 2020 10965-10974*
- Dao, M.N.**, see Nguyen, B.L., *TVT Dec. 2020 15668-15681*
- Darak, S.J.**, see Agrawal, N., *TVT Sept. 2020 9837-9848*
- Das, A.K.**, see Sutrala, A.K., *TVT May 2020 5535-5548*
- Das, A.K.**, see Bera, B., *TVT Aug. 2020 9097-9111*
- Das, D.**, see Vasudev, H., *TVT June 2020 6709-6717*
- Das, G.**, see R. T., R., *TVT Dec. 2020 16218-16223*
- Das, S.K.**, see Vasudev, H., *TVT June 2020 6709-6717*
- Dash, S.P.**, Joshi, S., and Mallik, R.K., Smart Grid Network With D2D Communication and Coherent PLC: Error Analysis; *TVT Jan. 2020 1051-1054*
- Dash, S.P.**, Mallik, R.K., and Mohammed, S.K., Performance Analysis of Coherent PLC With MPSK Signaling in Nakagami- m Noise Environment; *TVT March 2020 3057-3067*
- Dass, P.**, Misra, S., and Roy, C., T-Safe: Trustworthy Service Provisioning for IoT-Based Intelligent Transport Systems; *TVT Sept. 2020 9509-9517*
- Datta, R.**, see Barik, P.K., *TVT July 2020 7806-7820*
- Dayoub, I.**, see Tashman, D.H., *TVT Aug. 2020 8433-8442*
- De, S.**, see Mukherjee, P., *TVT Jan. 2020 26-40*
- De, S.**, see Thakur, A., *TVT Oct. 2020 12202-12215*
- De Alkmin Silva, L.C.**, see Eckert, J.J., *TVT April 2020 3773-3782*
- de Almeida, A.L.F.**, see Ardah, K., *TVT Jan. 2020 377-389*
- de Campos, M.L.R.**, see Galdino, I., *TVT Aug. 2020 9163-9167*
- de Carvalho, E.**, see Marinello, J.C., *TVT Nov. 2020 13305-13318*
- de Cola, T.**, Marchese, M., Mongelli, M., and Patrone, F., A Unified Optimisation Framework for QoS Management and Congestion Control in VHTS Systems; *TVT Oct. 2020 11619-11631*
- de Cola, T.**, and Bisio, I., QoS Optimisation of eMBB Services in Converged 5G-Satellite Networks; *TVT Oct. 2020 12098-12110*
- De Doncker, P.**, see Monfared, S., *TVT Oct. 2020 11369-11382*
- de Lamare, R.C.**, see Duarte, F.L., *TVT Feb. 2020 1928-1941*
- de Lima, C.H.M.**, see Tregancini, A., *TVT Jan. 2020 622-635*
- De Pascali, L.**, Biral, F., and Onori, S., Aging-Aware Optimal Energy Management Control for a Parallel Hybrid Vehicle Based on Electrochemical-Degradation Dynamics; *TVT Oct. 2020 10868-10878*
- De Pinto, S.**, see Scamarcio, A., *TVT Oct. 2020 10681-10699*
- De Santis, V.**, see Machura, P., *TVT June 2020 5968-5982*
- de Souza, R.A.A.**, see Silva, P.E.G., *TVT June 2020 6766-6770*
- Deb, P.K.**, Roy, C., Roy, A., and Misra, S., DEFT: Decentralized Multiuser Computation Offloading in a Fog-Enabled IoV Environment; *TVT Dec. 2020 15978-15987*
- Debbah, M.**, see Kim, H., *TVT Jan. 2020 935-947*
- Dedini, F.G.**, see Eckert, J.J., *TVT April 2020 3773-3782*
- Deepthi, P.P.**, see Pachat, J., *TVT Oct. 2020 11926-11936*
- Dempster, A.G.**, see Xiong, J., *TVT Jan. 2020 714-727*
- Dempster, A.G.**, see Xiong, J., *TVT Sept. 2020 9528-9541*
- Deng, H.**, see Fang, W., *TVT March 2020 3330-3340*
- Deng, H.**, see Wang, Q., *TVT Oct. 2020 10809-10819*
- Deng, K.**, see Yao, Y., *TVT Oct. 2020 10750-10758*
- Deng, L.**, see Ke, H., *TVT July 2020 7916-7929*
- Deng, Q.**, Cheng, Y., Chen, F., Czarkowski, D., Kazimierczuk, M.K., Zhou, H., and Hu, W., Wired/Wireless Hybrid Charging System for Electrical Vehicles With Minimum Rated Power Requirement for DC Module; *TVT Oct. 2020 10889-10898*
- Deng, Q.**, see Zhou, H., *TVT Nov. 2020 13510-13520*
- Deng, R.H.**, see Sun, J., *TVT Nov. 2020 12938-12950*
- Deng, T.**, Fan, P., and Yuan, D., Modeling and Optimization of Mobility-Aware Dynamic Caching With Time-Varying Content Popularity; *TVT Jan. 2020 1157-1162*
- Deng, W.**, see Zhu, B., *TVT Oct. 2020 10842-10853*
- Deng, Y.**, see Qi, C., *TVT May 2020 5661-5665*
- Deng, Y.**, Kim, D., Li, Z., and Choi, Y., Implementing Distributed TDMA Using Relative Distance in Vehicular Networks; *TVT July 2020 7295-7305*
- Deng, Y.**, see Wang, Q., *TVT Oct. 2020 10809-10819*
- Deshpande, V.**, see Vasudev, H., *TVT June 2020 6709-6717*
- Desreux, A.**, see German, R., *TVT Jan. 2020 328-337*
- Deur, J.**, see Skugor, B., *TVT Jan. 2020 246-257*
- Devabhakuni, V.K.**, see Albehadili, A., *TVT Aug. 2020 8119-8131*
- Dey, S.**, see Ku, Y., *TVT Oct. 2020 11975-11991*
- Dhaens, M.**, see Ricco, M., *TVT Feb. 2020 1388-1403*
- Dhillon, H.S.**, see Banagar, M., *TVT Nov. 2020 14025-14030*
- Dhillon, H.S.**, see Abd-Elmagid, M.A., *TVT Nov. 2020 14110-14115*
- Di, B.**, see Zhang, H., *TVT April 2020 4498-4502*
- Di, B.**, Zhang, H., Li, L., Song, L., Li, Y., and Han, Z., Practical Hybrid Beamforming With Finite-Resolution Phase Shifters for Reconfigurable Intelligent Surface Based Multi-User Communications; *TVT April 2020 4565-4570*
- Di, B.**, see Zhang, Y., *TVT April 2020 4388-4400*
- Di, B.**, see Zhang, H., *TVT May 2020 5467-5480*
- Di, B.**, see Zhang, S., *TVT Nov. 2020 13905-13909*
- Di Monaco, M.**, see Attaianesi, C., *TVT July 2020 7014-7025*
- Diamantoulakis, P.D.**, see Ren, J., *TVT June 2020 6485-6499*
- Diana, M.**, see Cirimele, V., *TVT March 2020 2501-2512*
- Dias, U.S.**, see ElHalawany, B.M., *TVT Jan. 2020 1046-1050*
- Dias, U.S.**, see Lima, B.K.S., *TVT Nov. 2020 14061-14066*
- Diaz, C.**, Quintero, V., Perez, A., Jaramillo, F., Burgos-Mellado, C., Rozas, H., Orchard, M.E., Saez, D., and Cardenas, R., Particle-Filtering-Based Prognostics for the State of Maximum Power Available in Lithium-Ion Batteries at Electromobility Applications; *TVT July 2020 7187-7200*
- Diaz-Ibarra, M.A.**, Campos-Delgado, D.U., Gutierrez, C.A., Luna-Rivera, J.M., and Cabrera Almeida, F.J., Distributed Utility Optimization in Vehicular Communication Systems; *TVT Oct. 2020 11992-12003*
- Didcock, N.**, see Wasserburger, A., *TVT Dec. 2020 14424-14435*
- Diez, L.**, see Lopez-Fernandez, J., *TVT April 2020 4019-4032*
- Ding, G.**, see Wang, H., *TVT April 2020 4569-4574*
- Ding, H.**, see Huang, Y., *TVT Jan. 2020 55-66*
- Ding, H.**, see Cao, K., *TVT Feb. 2020 1942-1955*
- Ding, H.**, see Zhang, L., *TVT March 2020 2598-2612*
- Ding, H.**, Zhao, F., Tian, J., and Zhang, H., Performance Analysis of MISINR User Association in 3-D Heterogeneous Cellular Networks; *TVT April 2020 4119-4129*
- Ding, H.**, see Zhang, L., *TVT July 2020 7416-7428*
- Ding, H.**, Li, X., Ma, Y., and Fang, Y., Energy-Efficient Channel Switching in Cognitive Radio Networks: A Reinforcement Learning Approach; *TVT Oct. 2020 12359-12362*
- Ding, J.**, see Zhao, H., *TVT May 2020 4700-4710*
- Ding, J.**, see Nemati, M., *TVT Nov. 2020 13229-13242*
- Ding, L.**, see Wang, H., *TVT Feb. 2020 2219-2229*
- Ding, L.**, see Wu, P., *TVT Sept. 2020 9342-9355*
- Ding, M.**, see Zhang, D., *TVT Feb. 2020 1595-1611*
- Ding, M.**, see Liu, Q., *TVT May 2020 5723-5728*
- Ding, M.**, see Hoseini, S.A., *TVT Dec. 2020 15458-15471*
- Ding, M.**, see Wang, X., *TVT Dec. 2020 16330-16335*
- Ding, Q.**, Lian, Y., and Jing, Y., Performance Analysis of Full-Duplex Massive MIMO Systems With Low-Resolution ADCs/DACs Over Rician Fading Channels; *TVT July 2020 7389-7403*
- Ding, R.**, see Zhang, Y., *TVT Oct. 2020 11599-11611*
- Ding, S.**, see Tong, M., *TVT April 2020 3793-3804*
- Ding, S.**, see Wang, X., *TVT Nov. 2020 13216-13228*
- Ding, T.**, see Xie, R., *TVT Jan. 2020 78-89*
- Ding, X.**, Wang, J., Dong, C., and Huang, Y., Vehicle Type Recognition From Surveillance Data Based on Deep Active Learning; *TVT March 2020 2477-2486*
- Ding, X.**, see Guo, C., *TVT May 2020 4855-4868*
- Ding, X.**, see Yan, P., *TVT May 2020 5115-5128*
- Ding, X.**, see Yang, F., *TVT June 2020 6422-6436*

- Ding, X.**, Zou, Y., Chen, X., Wang, X., and Hanzo, L., Secrecy Outage and Diversity Analysis of Multiple Cooperating Source-Destination Pairs; *TVT July 2020 7648-7662*
- Ding, X.**, see Hu, X., *TVT Sept. 2020 9849-9865*
- Ding, X.**, Wang, Z., Zhang, L., and Wang, C., Longitudinal Vehicle Speed Estimation for Four-Wheel-Independently-Actuated Electric Vehicles Based on Multi-Sensor Fusion; *TVT Nov. 2020 12797-12806*
- Ding, X.**, Feng, L., Zou, Y., and Zhang, G., Deep Learning Aided Spectrum Prediction for Satellite Communication Systems; *TVT Dec. 2020 16314-16319*
- Ding, Y.**, see Chen, C., *TVT Oct. 2020 10606-10618*
- Ding, Z.**, see Huang, H., *TVT Jan. 2020 1117-1121*
- Ding, Z.**, see Zhu, J., *TVT March 2020 3008-3020*
- Ding, Z.**, see Chen, B., *TVT March 2020 3470-3475*
- Ding, Z.**, see Xu, P., *TVT April 2020 4548-4552*
- Ding, Z.**, see Liang, Z., *TVT April 2020 3805-3815*
- Ding, Z.**, see Pei, X., *TVT April 2020 4503-4507*
- Ding, Z.**, see Cao, Y., *TVT July 2020 8008-8012*
- Ding, Z.**, see Chen, X., *TVT Sept. 2020 10033-10045*
- Ding, Z.**, see Hakimi, A., *TVT Oct. 2020 10925-10936*
- Ding, Z.**, see Guo, C., *TVT Oct. 2020 12301-12305*
- Ding, Z.**, see Liu, Q., *TVT Oct. 2020 11685-11696*
- Ding, Z.**, see Li, X., *TVT Oct. 2020 12286-12290*
- Ding, Z.**, see Zamani, M.R., *TVT Oct. 2020 11112-11127*
- Ding, Z.**, see Fang, F., *TVT Nov. 2020 14088-14092*
- Ding, Z.**, see Sun, Y., *TVT Nov. 2020 14001-14006*
- Ding, Z.**, see Guo, C., *TVT Dec. 2020 16276-16281*
- Dini, P.**, see Rago, A., *TVT Sept. 2020 10362-10374*
- Dinis, R.**, see Mokhtari, Z., *TVT Aug. 2020 8065-8079*
- Do, D.**, see Pandey, A., *TVT Dec. 2020 15095-15112*
- Do, T.**, see Nguyen, T.V., *TVT March 2020 2684-2699*
- Dobre, O.A.**, see Zeng, M., *TVT June 2020 6788-6792*
- Dobre, O.A.**, see Al-Habob, A.A., *TVT Aug. 2020 8805-8819*
- Dobre, O.A.**, see Zhang, H., *TVT Nov. 2020 14049-14054*
- Dogukan, A.T.**, see Arslan, E., *TVT Aug. 2020 9126-9130*
- Dominguez, X.**, see Mantilla-Perez, P., *TVT May 2020 5025-5040*
- Dominguez-Bolano, T.**, Rodriguez-Pineiro, J., Garcia-Naya, J.A., and Castedo, L., Bit Error Probability and Capacity Bound of OFDM Systems in Deterministic Doubly-Selective Channels; *TVT Oct. 2020 11458-11469*
- Dong, C.**, see Ding, X., *TVT March 2020 2477-2486*
- Dong, C.**, see Piao, J., *TVT Oct. 2020 11557-11569*
- Dong, D.**, see Wang, Q., *TVT April 2020 4033-4041*
- Dong, F.**, Wang, W., Huang, Z., and Huang, P., High-Resolution Angle-of-Arrival and Channel Estimation for mmWave Massive MIMO Systems With Lens Antenna Array; *TVT Nov. 2020 12963-12973*
- Dong, H.**, Lin, X., Gao, S., Cai, B., and Ning, B., Neural Networks-Based Sliding Mode Fault-Tolerant Control for High-Speed Trains With Bounded Parameters and Actuator Faults; *TVT Feb. 2020 1353-1362*
- Dong, H.**, see Bai, W., *TVT Aug. 2020 8054-8064*
- Dong, J.**, see Han, S., *TVT Oct. 2020 10772-10786*
- Dong, L.**, Sun, D., Han, G., Li, X., Hu, Q., and Shu, L., Velocity-Free Localization of Autonomous Driverless Vehicles in Underground Intelligent Mines; *TVT Sept. 2020 9292-9303*
- Dong, M.**, Kim, T., Wu, J., and Wong, E.W., Millimeter-Wave Base Station Deployment Using the Scenario Sampling Approach; *TVT Nov. 2020 14013-14018*
- Dong, P.**, see Gao, S., *TVT May 2020 5442-5456*
- Dong, P.**, Zhang, H., Wu, Q., and Li, G.Y., Spatially Correlated Massive MIMO Relay Systems With Low-Resolution ADCs; *TVT June 2020 6541-6553*
- Dong, S.**, see Wang, D., *TVT March 2020 2915-2927*
- Dong, X.**, see Zhao, B., *TVT July 2020 7354-7365*
- Dong, X.**, see Xiong, F., *TVT Aug. 2020 9002-9016*
- Dong, X.**, see Xu, Y., *TVT Nov. 2020 13018-13032*
- Dong, X.**, see Zhang, Y., *TVT Nov. 2020 12921-12937*
- Dong, Y.**, see Zhang, Z., *TVT Oct. 2020 11233-11240*
- Dong, Z.**, see Liang, Z., *TVT April 2020 3805-3815*
- Dou, Z.**, Li, C., Li, C., Gao, X., and Qi, L., Tensor Communication Waveform Design With Semi-Blind Receiver in the MIMO System; *TVT Feb. 2020 1727-1740*
- Dou, Z.**, see Lin, Y., *TVT May 2020 5703-5706*
- Doufexi, A.**, see Ameen, A.S., *TVT Dec. 2020 14304-14315*
- Douillard, C.**, see Youssef, M., *TVT Sept. 2020 9667-9681*
- Dovis, F.**, see Minetto, A., *TVT Feb. 2020 1419-1427*
- Driouch, E.**, see Hamdi, R., *TVT Jan. 2020 663-675*
- Driouch, E.**, see Mlika, Z., *TVT Feb. 2020 1994-2007*
- Droge, M.J.**, see Taylor, A.H., *TVT Oct. 2020 10506-10518*
- Drugge, L.**, see Zhang, W., *TVT Nov. 2020 12807-12821*
- Du, C.**, Zhang, Z., Wang, X., and An, J., Optimal Duplex Mode Selection for D2D-Aided Underlaying Cellular Networks; *TVT March 2020 3119-3134*
- Du, C.**, Zhang, Z., Wang, X., and An, J., Deep Learning Based Power Allocation for Workload Driven Full-Duplex D2D-Aided Underlaying Networks; *TVT Dec. 2020 15880-15892*
- Du, G.**, see Xu, W., *TVT Jan. 2020 131-139*
- Du, H.**, Zhang, J., Peppas, K.P., Zhao, H., Ai, B., and Zhang, X., On the Distribution of the Ratio of Products of Fisher-Snedecor \mathcal{F} Random Variables and Its Applications; *TVT Feb. 2020 1855-1866*
- Du, H.**, see Wu, Y., *TVT Oct. 2020 10899-10913*
- Du, J.**, see Feng, J., *TVT July 2020 7863-7878*
- Du, J.**, see Zhang, Y., *TVT Nov. 2020 13482-13496*
- Du, J.**, see Shi, J., *TVT Dec. 2020 16067-16081*
- Du, P.**, Zhang, F., Li, Z., Liu, Q., Gong, M., and Fu, X., Single-Photon Detection Approach for Autonomous Vehicles Sensing; *TVT June 2020 6067-6078*
- Du, P.**, Li, B., Zeng, Q., Zhai, D., Zhou, D., and Ran, L., Distributionally Robust Two-Stage Energy Management for Hybrid Energy Powered Cellular Networks; *TVT Oct. 2020 12162-12174*
- Du, P.**, see Zeng, Q., *TVT Dec. 2020 16282-16287*
- Du, W.**, see Fu, Q., *TVT Oct. 2020 10724-10735*
- Du, X.**, see Dai, S., *TVT Jan. 2020 998-1007*
- Du, X.**, see Song, L., *TVT May 2020 5403-5415*
- Du, X.**, see Li, B., *TVT Aug. 2020 8925-8937*
- Du, Y.**, see Huang, P., *TVT May 2020 4635-4651*
- Duan, D.**, see Yang, P., *TVT Dec. 2020 14355-14364*
- Duan, H.**, see Zhan, W., *TVT March 2020 3341-3356*
- Duan, H.**, see Cheng, J., *TVT April 2020 4246-4256*
- Duan, J.**, see Gao, F., *TVT Dec. 2020 14365-14376*
- Duan, L.**, see Zhang, X., *TVT Sept. 2020 10320-10335*
- Duan, Q.**, see Ma, M., *TVT Oct. 2020 10797-10808*
- Duarte, F.L.**, and de Lamare, R.C., Switched Max-Link Relay Selection Based on Maximum Minimum Distance for Cooperative MIMO Systems; *TVT Feb. 2020 1928-1941*
- Dudhane, A.**, see Patil, P.W., *TVT Dec. 2020 14550-14562*
- Duman, T.M.**, see Kazemi, M., *TVT June 2020 6141-6152*
- Dumand, C.**, see Kabalan, B., *TVT Dec. 2020 14846-14857*
- Dung, L.T.**, see Hoang, T.M., *TVT March 2020 2785-2801*
- Dung, L.T.**, see Nguyen, B.C., *TVT Aug. 2020 8555-8567*
- Dung, L.T.**, see Hoang, T.M., *TVT Dec. 2020 15580-15593*
- Duo, B.**, Wu, Q., Yuan, X., and Zhang, R., Energy Efficiency Maximization for Full-Duplex UAV Secrecy Communication; *TVT April 2020 4590-4595*
- Duo, B.**, Wu, Q., Yuan, X., and Zhang, R., Anti-Jamming 3D Trajectory Design for UAV-Enabled Wireless Sensor Networks Under Probabilistic LoS Channel; *TVT Dec. 2020 16288-16293*
- Duong, Q.**, see Nguyen, B.L., *TVT Dec. 2020 15668-15681*
- Duong, T.Q.**, see Wang, B., *TVT Jan. 2020 1070-1074*
- Duong, T.Q.**, see Nasir, A.A., *TVT Feb. 2020 2322-2326*
- Duong, T.Q.**, see Nasir, A.A., *TVT March 2020 2943-2956*
- Duong, T.Q.**, see Wang, B., *TVT April 2020 4412-4425*
- Duong, T.Q.**, see Yu, H., *TVT Nov. 2020 13990-13995*
- Dutkiewicz, E.**, see Hu, Z., *TVT Jan. 2020 349-360*
- Dutkiewicz, E.**, see Suarez Rodriguez, A.C., *TVT Oct. 2020 12043-12057*
- Dutta, A.K.**, see Azam, M.A., *TVT Dec. 2020 15412-15426*
- Dutta, T.**, see Kumari, P., *TVT Oct. 2020 11090-11098*
- Dy, J.**, see Soltani, N., *TVT Dec. 2020 15518-15531*

E

- East, S.**, and Cannon, M., Optimal Power Allocation in Battery/Supercapacitor Electric Vehicles Using Convex Optimization; *TVT Nov. 2020 12751-12762*
- Ebrahimi, D.**, see Samir, M., *TVT Nov. 2020 12382-12395*
- Eckert, J.J.**, De Alkmin Silva, L.C., Dedini, F.G., and Correa, F.C., Electric Vehicle Powertrain and Fuzzy Control Multi-Objective Optimization, Considering Dual Hybrid Energy Storage Systems; *TVT April 2020 3773-3782*
- Edfors, O.**, see Bengtsson, E.L., *TVT Jan. 2020 418-427*
- Egilmez, Z.B.K.**, see Xiang, L., *TVT Nov. 2020 13921-13926*
- Ekin, S.**, see Kachroo, A., *TVT May 2020 5102-5114*
- El-Absi, M.**, Abbas, A.A., Abuelhaija, A., Solbach, K., and Kaiser, T., Chipless RFID Infrastructure Based Self-Localization: Testbed Evaluation; *TVT July 2020 7751-7761*
- El-Hajjar, M.**, see Zhang, Y., *TVT Oct. 2020 11206-11219*
- El-Hajjar, M.**, see Zhang, Y., *TVT Nov. 2020 12843-12856*
- El-Hajjar, M.**, see Zhang, Y., *TVT Dec. 2020 16230-16234*
- El-Malek, A.H.A.**, see Tayel, A.F., *TVT Oct. 2020 11253-11265*
- El-Sheimy, N.**, see Chiang, K., *TVT March 2020 2463-2476*
- Elbir, A.M.**, and Papazafeiropoulos, A.K., Hybrid Precoding for Multiuser Millimeter Wave Massive MIMO Systems: A Deep Learning Approach; *TVT Jan. 2020 552-563*
- Elbir, A.M.**, A Deep Learning Framework for Hybrid Beamforming Without Instantaneous CSI Feedback; *TVT Oct. 2020 11743-11755*
- Eldeeb, H.B.**, see Karbalayghareh, M., *TVT July 2020 6891-6901*
- ElHalawany, B.M.**, Jameel, F., da Costa, D.B., Dias, U.S., and Wu, K., Performance Analysis of Downlink NOMA Systems Over κ - μ Shadowed Fading Channels; *TVT Jan. 2020 1046-1050*
- Elhoushy, S.**, and Hamouda, W., Performance of Distributed Massive MIMO and Small-Cell Systems Under Hardware and Channel Impairments; *TVT Aug. 2020 8627-8642*
- Elkashlan, M.**, see Ren, H., *TVT July 2020 8003-8007*
- Elliott, R.C.**, see Soleimani, M., *TVT Oct. 2020 11646-11658*
- Elsayad, N.**, Moradisizkoochi, H., and Mohammed, O.A., A New Hybrid Structure of a Bidirectional DC-DC Converter With High Conversion Ratios for Electric Vehicles; *TVT Jan. 2020 194-206*
- Emadi, A.**, see Buccoliero, G., *TVT Jan. 2020 172-181*
- Emadi, A.**, see Howey, B., *TVT March 2020 2552-2562*
- Emadi, A.**, see Agrawal, B., *TVT June 2020 6094-6106*
- Emadi, A.**, see Lajunen, A., *TVT June 2020 6025-6040*
- Emadi, A.**, see Bilgin, B., *TVT July 2020 7172-7186*
- Emadi, A.**, see Guo, J., *TVT July 2020 7131-7145*
- Emadi, M.J.**, see Oshaghi, M., *TVT Feb. 2020 1792-1801*
- Enayati, S.**, Saeedi, H., Pishro-Nik, H., and Yanikomeroglu, H., Optimal Altitude Selection of Aerial Base Stations to Maximize Coverage and Energy Harvesting Probabilities: A Stochastic Geometry Analysis; *TVT Jan. 2020 1096-1100*
- Endoh, T.**, see Li, T., *TVT Sept. 2020 9330-9341*
- Eom, S.**, Lee, H., Park, J., and Lee, I., UAV-Aided Wireless Communication Designs With Propulsion Energy Limitations; *TVT Jan. 2020 651-662*
- Erkucuk, S.**, see Basaran, M., *TVT Oct. 2020 11066-11076*
- Erlien, S.**, see Taylor, A.H., *TVT Oct. 2020 10506-10518*
- Ersal, T.**, see Wurts, J., *TVT Aug. 2020 8278-8289*
- Eshteiwi, K.**, Kaddoum, G., Selim, B., and Gagnon, F., Impact of Co-Channel Interference and Vehicles as Obstacles on Full-Duplex V2V Cooperative Wireless Network; *TVT July 2020 7503-7517*
- Eslami, M.**, see Hashemi, H., *TVT Feb. 2020 1751-1765*
- Eslami, M.**, see Zamani, M.R., *TVT Oct. 2020 11112-11127*
- Eslami, M.**, see Olyaei, M., *TVT Nov. 2020 13437-13449*
- Evangelou, S.A.**, see Chen, B., *TVT May 2020 4894-4906*

F

- F. Flanagan, M.**, see Agrawal, K., *TVT Nov. 2020 13952-13957*
- Fagiolini, A.**, see Pedone, S., *TVT Nov. 2020 12521-12535*

- Fan, B.**, He, Z., Wu, Y., He, J., Chen, Y., and Jiang, L., Deep Learning Empowered Traffic Offloading in Intelligent Software Defined Cellular V2X Networks; *TVT Nov. 2020 13328-13340*
- Fan, C.**, Li, B., Zhao, C., and Liang, Y., Regret Matching Learning Based Spectrum Reuse in Small Cell Networks; *TVT Jan. 2020 1060-1064*
- Fan, J.**, Han, L., Luo, X., Zhang, Y., and Joung, J., Beamwidth Design for Beam Scanning in Millimeter-Wave Cellular Networks; *TVT Jan. 2020 1111-1116*
- Fan, J.**, see Li, M., *TVT May 2020 4883-4893*
- Fan, J.**, see Liang, P., *TVT Aug. 2020 9217-9222*
- Fan, K.**, see Zhang, W., *TVT March 2020 3166-3178*
- Fan, K.**, Pan, Q., Zhang, K., Bai, Y., Sun, S., Li, H., and Yang, Y., A Secure and Verifiable Data Sharing Scheme Based on Blockchain in Vehicular Social Networks; *TVT June 2020 5826-5835*
- Fan, L.**, see Li, D., *TVT Feb. 2020 2327-2331*
- Fan, L.**, see Xia, J., *TVT April 2020 4492-4497*
- Fan, L.**, see Liu, X., *TVT Dec. 2020 16173-16177*
- Fan, M.**, Jung, S., and Ko, S., Highly Accurate Scale Estimation from Multiple Keyframes Using RANSAC Plane Fitting With a Novel Scoring Method; *TVT Dec. 2020 15335-15345*
- Fan, P.**, see Deng, T., *TVT Jan. 2020 1157-1162*
- Fan, P.**, see Anand, K., *TVT Feb. 2020 1679-1694*
- Fan, P.**, see Jiang, R., *TVT July 2020 7264-7280*
- Fan, P.**, see Wu, Q., *TVT Dec. 2020 15760-15773*
- Fan, Q.**, see Wu, Q., *TVT Dec. 2020 15760-15773*
- Fan, R.**, see Gu, Q., *TVT Sept. 2020 10348-10361*
- Fan, S.**, see Wen, S., *TVT Nov. 2020 12470-12481*
- Fan, W.**, see Ji, Y., *TVT Feb. 2020 1203-1213*
- Fan, W.**, Zhang, F., Wang, Z., Jensen, O.K., and Pedersen, G.F., On Angular Sampling Intervals for Reconstructing Wideband Channel Spatial Profiles in Directional Scanning Measurements; *TVT Nov. 2020 13910-13915*
- Fan, X.**, see Huang, X., *TVT March 2020 2671-2683*
- Fan, Y.**, Cui, R., and Zhang, A., Torque Ripple Minimization for Inter-Turn Short-Circuit Fault Based on Open-Winding Five Phase FTFCW-IPM Motor for Electric Vehicle Application; *TVT Jan. 2020 282-292*
- Fan, Y.**, see Wu, Z., *TVT Dec. 2020 14834-14845*
- Fan, Z.**, see Sun, R., *TVT May 2020 4842-4854*
- Fang, C.**, see Wang, Z., *TVT Dec. 2020 15357-15369*
- Fang, F.**, Xu, Y., Pham, Q., and Ding, Z., Energy-Efficient Design of IRS-NOMA Networks; *TVT Nov. 2020 14088-14092*
- Fang, G.**, see Chu, P., *TVT April 2020 3703-3716*
- Fang, H.**, see Anjum, M.N., *TVT June 2020 6153-6164*
- Fang, J.**, see Xie, J., *TVT May 2020 5307-5319*
- Fang, J.**, see Wang, P., *TVT Dec. 2020 14960-14973*
- Fang, S.**, Wang, Y., Gou, B., and Xu, Y., Toward Future Green Maritime Transportation: An Overview of Seaport Microgrids and All-Electric Ships; *TVT Jan. 2020 207-219*
- Fang, S.**, Xu, Y., Wang, H., Shang, C., and Feng, X., Robust Operation of Shipboard Microgrids With Multiple-Battery Energy Storage System Under Navigation Uncertainties; *TVT Oct. 2020 10531-10544*
- Fang, W.**, Wang, G., Giannakis, G.B., Liu, Q., Wang, X., and Deng, H., Channel-Dependent Scheduling in Wireless Energy Transfer for Mobile Devices; *TVT March 2020 3330-3340*
- Fang, X.**, see Zhong, Z., *TVT March 2020 2576-2587*
- Fang, X.**, see Yan, L., *TVT April 2020 3968-3979*
- Fang, X.**, see Zhang, L., *TVT July 2020 7416-7428*
- Fang, X.**, see Ju, H., *TVT Dec. 2020 15325-15334*
- Fang, Y.**, see Yang, Z., *TVT Jan. 2020 390-404*
- Fang, Y.**, see Ma, H., *TVT Feb. 2020 1666-1678*
- Fang, Y.**, see Yan, L., *TVT April 2020 3968-3979*
- Fang, Y.**, see Sheng, B., *TVT July 2020 7930-7939*
- Fang, Y.**, see Zhang, L., *TVT July 2020 7416-7428*
- Fang, Y.**, see Jiang, S., *TVT Sept. 2020 10252-10263*
- Fang, Y.**, Zhu, S., Gao, Y., and Zeng, C., DOA Estimation for Coherent Signals With Improved Sparse Representation in the Presence of Unknown Spatially Correlated Gaussian Noise; *TVT Sept. 2020 10059-10069*
- Fang, Y.**, see Ding, H., *TVT Oct. 2020 12359-12362*
- Fang, Z.**, see Jing, H., *TVT Feb. 2020 1428-1439*

- Fang, Z.**, *see* Yi, W., *TVT April 2020 4104-4118*
- Fang, Z.**, *see* Wang, W., *TVT Sept. 2020 10000-10008*
- Fang, Z.**, Shen, S., Liu, J., Ni, W., and Jamalipour, A., New NOMA-Based Two-Way Relay Networks; *TVT Dec. 2020 15314-15324*
- Fantacci, R.**, *see* Bonadio, A., *TVT Feb. 2020 2049-2057*
- Fantacci, R.**, and Picano, B., When Network Slicing Meets Prospect Theory: A Service Provider Revenue Maximization Framework; *TVT March 2020 3179-3189*
- Fantacci, R.**, and Picano, B., Performance Analysis of a Delay Constrained Data Offloading Scheme in an Integrated Cloud-Fog-Edge Computing System; *TVT Oct. 2020 12004-12014*
- Farah, J.**, *see* Youssef, M., *TVT Sept. 2020 9667-9681*
- Farahmandrad, M.**, *see* Bayati, M., *TVT July 2020 7201-7210*
- Farooq, H.**, Asghar, A., and Imran, A., Mobility Prediction Based Proactive Dynamic Network Orchestration for Load Balancing With QoS Constraint (OPERA); *TVT March 2020 3370-3383*
- Fazeli, S.M.**, *see* Chuan, H., *TVT Oct. 2020 10820-10831*
- Fei, H.**, Xiao, F., Han, J., Huang, H., and Sun, L., Multi-Variations Activity Based Gaits Recognition Using Commodity WiFi; *TVT Feb. 2020 2263-2273*
- Fei, J.**, Chin, K., Yang, C., and Ros, M., Charge-and-Activate Policies for Targets Monitoring in RF-Harvesting Sensor Networks; *TVT July 2020 7835-7846*
- Fei, J.**, Chin, K., Yang, C., and Ros, M., Stochastic Targets Monitoring in Wireless Powered Sensor Networks; *TVT Dec. 2020 15908-15919*
- Fei, Z.**, *see* Lago, L.A., *TVT Jan. 2020 405-417*
- Fei, Z.**, *see* Wu, Z., *TVT April 2020 4417-4425*
- Fei, Z.**, *see* Chu, P., *TVT April 2020 3703-3716*
- Fei, Z.**, *see* Bai, J., *TVT Sept. 2020 9656-9666*
- Fei, Z.**, *see* Yu, H., *TVT Oct. 2020 10975-10987*
- Fei, Z.**, *see* Wu, Z., *TVT Oct. 2020 12216-12228*
- Femenias, G.**, Riera-Palou, F., Alvarez-Polegre, A., and Garcia-Armada, A., Short-Term Power Constrained Cell-Free Massive-MIMO Over Spatially Correlated Ricean Fading; *TVT Dec. 2020 15200-15215*
- Feng, B.**, Chen, J., Yin, S., Sim, C., and Zhao, Z., A Tri-Polarized Antenna With Diverse Radiation Characteristics for 5G and V2X Communications; *TVT Sept. 2020 10115-10126*
- Feng, C.**, *see* Guo, C., *TVT Oct. 2020 12301-12305*
- Feng, C.**, Yu, K., Aloqaily, M., Alazab, M., Lv, Z., and Mumtaz, S., Attribute-Based Encryption With Parallel Outsourced Decryption for Edge Intelligent IoV; *TVT Nov. 2020 13784-13795*
- Feng, D.**, *see* Ma, R., *TVT Feb. 2020 2126-2140*
- Feng, D.**, *see* Wang, C., *TVT Aug. 2020 9234-9238*
- Feng, G.**, *see* Wang, Y., *TVT Oct. 2020 12124-12135*
- Feng, G.**, *see* Liu, Y., *TVT Dec. 2020 15731-15745*
- Feng, H.**, *see* Rui, X., *TVT Feb. 2020 1440-1451*
- Feng, H.**, and Lukic, S.M., Reduced-Order Modeling and Design of Single-Stage LCL Compensated IPT System for Low Voltage Vehicle Charging Applications; *TVT April 2020 3728-3739*
- Feng, J.**, Pei, Q., Yu, F.R., Chu, X., Du, J., and Zhu, L., Dynamic Network Slicing and Resource Allocation in Mobile Edge Computing Systems; *TVT July 2020 7863-7878*
- Feng, K.**, *see* Shen, L., *TVT July 2020 7458-7472*
- Feng, K.**, *see* Shen, L., *TVT Oct. 2020 11893-11908*
- Feng, K.**, *see* Shen, L., *TVT Nov. 2020 13875-13889*
- Feng, L.**, Wikander, J., and Li, Z., Fuel Minimization of the Electric Engine Cooling System With Active Grille Shutter by Iterative Quadratic Programming; *TVT March 2020 2621-2635*
- Feng, L.**, *see* Zhao, Q., *TVT Sept. 2020 10278-10290*
- Feng, L.**, *see* Ding, X., *TVT Dec. 2020 16314-16319*
- Feng, Q.**, *see* Liu, W., *TVT March 2020 2747-2757*
- Feng, W.**, *see* Zhou, L., *TVT June 2020 5923-5932*
- Feng, W.**, Zhao, N., Ao, S., Tang, J., Zhang, X., Fu, Y., So, D.K.C., and Wong, K., Joint 3D Trajectory Design and Time Allocation for UAV-Enabled Wireless Power Transfer Networks; *TVT Sept. 2020 9265-9278*
- Feng, W.**, *see* Chen, J., *TVT Oct. 2020 11353-11368*
- Feng, W.**, *see* Cao, N., *TVT Nov. 2020 13060-13071*
- Feng, X.**, *see* Gou, B., *TVT Oct. 2020 10854-10867*
- Feng, X.**, *see* Fang, S., *TVT Oct. 2020 10531-10544*
- Feng, X.**, *see* Liu, W., *TVT Dec. 2020 14739-14748*
- Feng, Y.**, Zhang, W., and Ge, Y., Frequency Synchronization With Beamforming Network Optimization for Uplink Massive MIMO Systems; *TVT March 2020 3486-3490*
- Feng, Z.**, *see* Zhang, Q., *TVT March 2020 3280-3295*
- Feng, Z.**, *see* Huang, S., *TVT July 2020 7483-7492*
- Feng, Z.**, *see* Yuan, X., *TVT Aug. 2020 8792-8804*
- Feng, Z.**, *see* Chen, X., *TVT Dec. 2020 15545-15556*
- Ferdouse, L.**, *see* Sultana, A., *TVT May 2020 5343-5354*
- Fernandez, C.**, *see* Miniguano, H., *TVT Jan. 2020 235-245*
- Fernandez-Plaola, U.**, *see* Lopez-Fernandez, J., *TVT April 2020 4019-4032*
- Ferrero, R.**, *see* Montrucchio, B., *TVT Dec. 2020 15786-15799*
- Ferrin, C.**, and Christensen, R., Reducing Road Wear While Ensuring Comfort and Charging Constraints for Dynamically Charged Passenger Vehicles Through Noise-Shaped Path Variations; *TVT May 2020 4803-4816*
- Ferro, G.**, Paolucci, M., and Robba, M., Optimal Charging and Routing of Electric Vehicles With Power Constraints and Time-of-Use Energy Prices; *TVT Dec. 2020 14436-14447*
- Fettweis, G.**, *see* You, L., *TVT May 2020 5693-5697*
- Fidan, B.**, *see* Korayem, A.H., *TVT Nov. 2020 12536-12546*
- Fierro, R.**, *see* Sun, X., *TVT Feb. 2020 2195-2203*
- Filippi, A.**, *see* Nguyen, H., *TVT July 2020 6902-6915*
- Fioranelli, F.**, *see* Lan, L., *TVT Oct. 2020 11584-11598*
- Fitzgerald, E.**, *see* Moradi, F., *TVT Jan. 2020 607-621*
- Flanagan, M.F.**, *see* Kumar, V., *TVT Oct. 2020 11241-11252*
- Fodor, G.**, *see* Ardah, K., *TVT Jan. 2020 377-389*
- Foerster, K.**, *see* Bozkaya, E., *TVT Oct. 2020 12252-12263*
- Fornaro, C.**, *see* Montrucchio, B., *TVT Dec. 2020 15786-15799*
- Forouzes, M.**, Azmi, P., Mokari, N., and Goeckel, D., Covert Communication Using Null Space and 3D Beamforming: Uncertainty of Willie's Location Information; *TVT Aug. 2020 8568-8576*
- Forster, D.**, Inderka, R.B., and Gauterin, F., Data-Driven Identification of Characteristic Real-Driving Cycles Based on k-Means Clustering and Mixed-Integer Optimization; *TVT March 2020 2398-2410*
- Fredriksson, J.**, *see* Jonasson, M., *TVT May 2020 4788-4802*
- Freitas, W.C.**, *see* Ardah, K., *TVT Jan. 2020 377-389*
- Frigon, J.**, *see* Hentati, A., *TVT Feb. 2020 1956-1969*
- Fritsche, C.**, *see* Radnosrati, K., *TVT March 2020 3399-3411*
- Fu, G.**, *see* Pu, Q., *TVT Oct. 2020 10656-10667*
- Fu, J.**, *see* Wu, X., *TVT Nov. 2020 12763-12774*
- Fu, M.**, *see* Chen, S., *TVT May 2020 4740-4750*
- Fu, Q.**, *see* Wu, Y., *TVT Sept. 2020 9960-9971*
- Fu, Q.**, Du, W., and Wang, H., Planning of the DC System Considering Restrictions on the Small-Signal Stability of EV Charging Stations and Comparison Between Series and Parallel Connections; *TVT Oct. 2020 10724-10735*
- Fu, S.**, *see* Liu, M., *TVT Jan. 2020 593-606*
- Fu, S.**, *see* Grabner, M.J., *TVT Feb. 2020 1542-1553*
- Fu, S.**, Gao, J., and Zhao, L., Integrated Resource Management for Terrestrial-Satellite Systems; *TVT March 2020 3256-3266*
- Fu, S.**, Tang, Y., Zhang, N., Zhao, L., Wu, S., and Jian, X., Joint Unmanned Aerial Vehicle (UAV) Deployment and Power Control for Internet of Things Networks; *TVT April 2020 4367-4378*
- Fu, S.**, *see* Li, P., *TVT July 2020 7998-8002*
- Fu, T.**, *see* Liu, P., *TVT Oct. 2020 10630-10641*
- Fu, W.**, *see* Lin, Q., *TVT Dec. 2020 14391-14400*
- Fu, X.**, Yu, F.R., Wang, J., Qi, Q., and Liao, J., Performance Optimization for Blockchain-Enabled Distributed Network Function Virtualization Management and Orchestration; *TVT June 2020 6670-6679*
- Fu, X.**, *see* Du, P., *TVT June 2020 6067-6078*
- Fu, X.**, *see* Yuan, Y., *TVT Sept. 2020 9279-9291*
- Fu, X.**, *see* Wang, H., *TVT Oct. 2020 10484-10493*
- Fu, Y.**, *see* Shi, Z., *TVT Jan. 2020 471-487*
- Fu, Y.**, Li, C., Yu, F.R., Luan, T.H., and Zhang, Y., A Decision-Making Strategy for Vehicle Autonomous Braking in Emergency via Deep Reinforcement Learning; *TVT June 2020 5876-5888*

- Fu, Y.**, *see* Feng, W., *TVT Sept. 2020 9265-9278*
Fukumoto, S., *see* Sato, R., *TVT April 2020 3893-3902*
Funke, S.A., and Burgert, T., Can Charging Infrastructure Used Only by Electric Taxis Be Profitable? A Case Study From Karlsruhe, Germany; *TVT June 2020 5933-5944*

G

- G. Maunder, R.**, *see* Xiang, L., *TVT Nov. 2020 13921-13926*
G. Shin, K., *see* Li, Z., *TVT July 2020 7583-7595*
Gabay, D., Akkaya, K., and Cebe, M., Privacy-Preserving Authentication Scheme for Connected Electric Vehicles Using Blockchain and Zero Knowledge Proofs; *TVT June 2020 5760-5772*
Gabdullin, N., and Ro, J., Energy-Efficient Eco-Friendly Zero-Holding-Energy Magnetic Contactor for Industrial and Vehicular Applications; *TVT May 2020 5000-5011*
Gacanin, H., *see* Wang, Y., *TVT May 2020 5688-5692*
Gacanin, H., *see* Kageyama, T., *TVT June 2020 6230-6241*
Gadallah, Y., *see* Abdelsadek, M.Y., *TVT May 2020 5598-5609*
Gagnon, F., *see* Eshteiwi, K., *TVT July 2020 7503-7517*
Gai, K., *see* Rahim, M.A., *TVT Jan. 2020 163-171*
Gaillot, D.P., *see* Yusuf, M., *TVT Nov. 2020 12396-12407*
Galdino, I., Zakaria, R., Le Ruyet, D., and de Campos, M.L.R., Short Prototype Filter Design for OQAM-FBMC Modulation; *TVT Aug. 2020 9163-9167*
Galinina, O., *see* Rastorgueva-Foi, E., *TVT Dec. 2020 15842-15856*
Gameiro, A., *see* Sanson, J.B., *TVT Nov. 2020 13112-13123*
Gan, C., *see* Zhang, Z., *TVT Nov. 2020 13521-13531*
Gan, L., *see* An, J., *TVT Dec. 2020 16202-16206*
Gao, B., *see* Zhang, Y., *TVT Jan. 2020 338-348*
Gao, B., *see* Liu, Q., *TVT Jan. 2020 1055-1059*
Gao, B., Cai, K., Qu, T., Hu, Y., and Chen, H., Personalized Adaptive Cruise Control Based on Online Driving Style Recognition Technology and Model Predictive Control; *TVT Nov. 2020 12482-12496*
Gao, D., Li, Z., Liu, Y., and He, T., Neighbor Discovery Based on Cross-Technology Communication for Mobile Applications; *TVT Oct. 2020 11179-11191*
Gao, D., *see* Wu, Z., *TVT Dec. 2020 14834-14845*
Gao, F., *see* Ni, Z., *TVT July 2020 8028-8033*
Gao, F., *see* Song, T., *TVT Sept. 2020 9634-9642*
Gao, F., *see* Zhang, Y., *TVT Oct. 2020 11599-11611*
Gao, F., *see* Ni, Z., *TVT Oct. 2020 11055-11065*
Gao, F., Duan, J., Han, Z., and He, Y., Automatic Virtual Test Technology for Intelligent Driving Systems Considering Both Coverage and Efficiency; *TVT Dec. 2020 14365-14376*
Gao, F., *see* Chen, X., *TVT Dec. 2020 15545-15556*
Gao, F., *see* Jia, S., *TVT Dec. 2020 16294-16298*
Gao, H., *see* Wang, C., *TVT Sept. 2020 9624-9633*
Gao, H., *see* Zheng, X., *TVT Nov. 2020 14099-14103*
Gao, J., *see* Fu, S., *TVT March 2020 3256-3266*
Gao, J., *see* Li, M., *TVT March 2020 3424-3438*
Gao, J., *see* Li, W., *TVT April 2020 3550-3561*
Gao, J., *see* Li, M., *TVT May 2020 4883-4893*
Gao, J., *see* Wang, F., *TVT Nov. 2020 12609-12620*
Gao, K., *see* Cao, Z., *TVT March 2020 2424-2436*
Gao, K., Xu, C., Zhang, P., Qin, J., Zhong, L., and Muntean, G., GCH-MV: Game-Enhanced Compensation Handover Scheme for Multipath TCP in 6G Software Defined Vehicular Networks; *TVT Dec. 2020 16142-16154*
Gao, L., *see* Xiong, L., *TVT Oct. 2020 10668-10680*
Gao, L., *see* Wang, T., *TVT Nov. 2020 14093-14098*
Gao, L., *see* Liu, C., *TVT Dec. 2020 14341-14354*
Gao, M., *see* Bian, F., *TVT March 2020 2588-2597*
Gao, M., Ai, B., Niu, Y., Wu, W., Yang, P., Lyu, F., and Shen, X., Efficient Hybrid Beamforming With Anti-Blockage Design for High-Speed Railway Communications; *TVT Sept. 2020 9643-9655*
Gao, P., *see* Liu, J., *TVT Aug. 2020 8356-8366*
Gao, Q., *see* Wang, J., *TVT May 2020 5416-5425*
Gao, Q., *see* Wang, J., *TVT Sept. 2020 10242-10251*
Gao, Q., Tong, J., Wang, J., Ran, Z., and Pan, M., Device-Free Multi-Person Respiration Monitoring Using WiFi; *TVT Nov. 2020 14083-14087*
Gao, S., *see* Dong, H., *TVT Feb. 2020 1353-1362*
Gao, S., *see* Cheng, J., *TVT April 2020 4246-4256*
Gao, S., *see* Wen, L., *TVT May 2020 5193-5202*
Gao, S., Dong, P., Pan, Z., and Li, G.Y., Reinforcement Learning Based Cooperative Coded Caching Under Dynamic Popularities in Ultra-Dense Networks; *TVT May 2020 5442-5456*
Gao, S., Piao, G., Zhu, J., Ma, X., and Ma, J., TrustAccess: A Trustworthy Secure Ciphertext-Policy and Attribute Hiding Access Control Scheme Based on Blockchain; *TVT June 2020 5784-5798*
Gao, S.S., *see* Zhang, J., *TVT Oct. 2020 11220-11232*
Gao, S.S., *see* Xu, R., *TVT Oct. 2020 11857-11867*
Gao, W., *see* Wang, D., *TVT March 2020 2915-2927*
Gao, X., *see* Dou, Z., *TVT Feb. 2020 1727-1740*
Gao, X., *see* Li, K., *TVT Feb. 2020 1651-1665*
Gao, X., *see* You, L., *TVT May 2020 5693-5697*
Gao, X., Bai, Z., Gong, P., and Wu, D.O., Design and Performance Analysis of LED-Grouping Based Spatial Modulation in the Visible Light Communication System; *TVT July 2020 7317-7324*
Gao, X., *see* Liu, P., *TVT Oct. 2020 11570-11583*
Gao, Y., Chen, Y., Chen, N., and Zhang, J., Performance Analysis of Dual-Hop Relaying With I/Q Imbalance and Additive Hardware Impairment; *TVT April 2020 4580-4584*
Gao, Y., *see* Huang, S., *TVT July 2020 7483-7492*
Gao, Y., *see* Ma, R., *TVT Sept. 2020 9822-9836*
Gao, Y., *see* Fang, Y., *TVT Sept. 2020 10059-10069*
Gao, Y., *see* Wang, X., *TVT Nov. 2020 13216-13228*
Gao, Y., *see* Hu, H., *TVT Nov. 2020 13890-13904*
Gao, Y., *see* Wang, Z., *TVT Dec. 2020 15357-15369*
Gao, Y., *see* Yu, J., *TVT Dec. 2020 14277-14289*
Gao, Z., *see* Dai, S., *TVT Jan. 2020 998-1007*
Gao, Z., *see* Wan, Z., *TVT Feb. 2020 2337-2342*
Gao, Z., *see* Yang, X., *TVT April 2020 3828-3840*
Gao, Z., *see* Ma, X., *TVT May 2020 5677-5682*
Gao, Z., *see* Liu, S., *TVT Aug. 2020 9223-9228*
Gao, Z., *see* Yang, Y., *TVT Aug. 2020 9185-9189*
Gao, Z., *see* Qiao, L., *TVT Sept. 2020 10391-10396*
Gao, Z., *see* Yang, Z., *TVT Oct. 2020 10457-10468*
Gao, Z., *see* Chen, Y., *TVT Dec. 2020 14602-14617*
Garcia Espinosa, A., *see* Candelo-Zuluaga, C., *TVT Dec. 2020 14448-14457*
Garcia-Armada, A., *see* Femenias, G., *TVT Dec. 2020 15200-15215*
Garcia-Loygorri, J.M., *see* He, D., *TVT Nov. 2020 12408-12417*
Garcia-Naya, J.A., *see* Dominguez-Bolano, T., *TVT Oct. 2020 11458-11469*
Gareau, J., *see* Guo, J., *TVT July 2020 7131-7145*
Garg, S., *see* Hassija, V., *TVT June 2020 5799-5812*
Garibotto, C., *see* Bisio, I., *TVT Aug. 2020 9083-9096*
Gauterin, F., *see* Forster, D., *TVT March 2020 2398-2410*
Gawron, T., *see* Michalek, M.M., *TVT Aug. 2020 8381-8394*
Gazor, S., *see* Naderipour, M., *TVT Nov. 2020 12870-12882*
Ge, H., *see* Wu, Q., *TVT Dec. 2020 15760-15773*
Ge, J., *see* Zhang, C., *TVT Nov. 2020 13005-13017*
Ge, J., *see* Li, Y., *TVT Dec. 2020 15800-15814*
Ge, X., *see* Li, Q., *TVT Aug. 2020 9244-9248*
Ge, X., *see* Li, Z., *TVT Sept. 2020 9807-9821*
Ge, Y., *see* Feng, Y., *TVT March 2020 3486-3490*
Ge, Y., *see* Ke, H., *TVT July 2020 7916-7929*
Geetha, G., *see* Kumar, G., *TVT July 2020 7707-7722*
Gelbal, S.Y., *see* Ma, F., *TVT Aug. 2020 8207-8220*
Geng, Q., *see* Wang, H., *TVT March 2020 2613-2620*
Geng, Y., *see* Huang, C., *TVT Jan. 2020 1041-1045*
Gentile, C., *see* Charbonnier, R., *TVT Dec. 2020 14264-14276*
Georghiadis, C.N., *see* Al-Badarneh, Y.H., *TVT March 2020 3048-3056*
Geraerts, M., *see* Ricco, M., *TVT Feb. 2020 1388-1403*
Gerdes, J.C., *see* Kapania, N.R., *TVT Aug. 2020 8232-8242*
Gerdes, R., *see* Sun, M., *TVT May 2020 4773-4787*

- German, R.**, Shili, S., Desreuveaux, A., Sari, A., Venet, P., and Bouscayrol, A., Dynamical Coupling of a Battery Electro-Thermal Model and the Traction Model of an EV for Driving Range Simulation; *TVT Jan. 2020* 328-337
- Ghanem, K.**, see Belaoura, W., *TVT Nov. 2020* 12912-12920
- Ghannouchi, F.M.**, see Hu, X., *TVT Sept. 2020* 9849-9865
- Gharavi, H.**, see Huang, J., *TVT April 2020* 3903-3915
- Gharavi, H.**, see Ye, J., *TVT April 2020* 3943-3953
- Gharehpetian, G.B.**, see Bayati, M., *TVT July 2020* 7201-7210
- Ghaseminajm, F.**, Abu-Shaban, Z., Ikki, S.S., Wymeersch, H., and Benson, C.R., Localization Error Bounds for 5G mmWave Systems Under I/Q Imbalance; *TVT July 2020* 7971-7975
- Ghasemzadeh, P.**, Banerjee, S., Hempel, M., and Sharif, H., A Novel Deep Learning and Polar Transformation Framework for an Adaptive Automatic Modulation Classification; *TVT Nov. 2020* 13243-13258
- Gholami, R.**, and Hodsani, G.A., A More General Information Theoretic Study of Wireless Location Verification System; *TVT Sept. 2020* 9938-9950
- Ghorashi, S.A.**, see Rashed, S.K., *TVT Aug. 2020* 8443-8458
- Ghosh, A.**, see Ali, A., *TVT Dec. 2020* 14903-14917
- Ghosh, J.**, A Trade-Off Between Energy Efficiency and Spectral Efficiency in Macro-Femtocell Networks; *TVT Oct. 2020* 10914-10924
- Ghosh, S.**, Acharya, T., and Maity, S.P., On Outage Analysis in SWIPT Enabled Bidirectional D2D Communications Using Spectrum Sharing in Cellular Networks; *TVT Sept. 2020* 10167-10176
- Ghrayeb, A.**, see Jayakody, D.N.K., *TVT Jan. 2020* 578-592
- Ghrayeb, A.**, see Samir, M., *TVT Nov. 2020* 12382-12395
- Giannakis, G.B.**, see Fang, W., *TVT March 2020* 3330-3340
- Giunta, G.**, see Shi, B., *TVT Aug. 2020* 8684-8697
- Giusto, E.**, see Montrucchio, B., *TVT Dec. 2020* 15786-15799
- Glazunov, A.A.**, see Zhang, J., *TVT June 2020* 6310-6324
- Gloria, A.D.**, see Cirimele, V., *TVT March 2020* 2501-2512
- Godoy, J.**, see Artunedo, A., *TVT June 2020* 5983-5994
- Goeckel, D.**, see Forouzesh, M., *TVT Aug. 2020* 8568-8576
- Golmie, N.**, see Charbonnier, R., *TVT Dec. 2020* 14264-14276
- Gong, F.**, see Cao, K., *TVT Feb. 2020* 1942-1955
- Gong, F.**, see Zhang, C., *TVT Nov. 2020* 13005-13017
- Gong, F.**, see Li, Q., *TVT Nov. 2020* 13139-13147
- Gong, J.**, Lee, H., and Kang, J., Generalized MGF of Inverse Gaussian Distribution With Applications to Wireless Communications; *TVT Feb. 2020* 2332-2336
- Gong, J.**, see Kuang, Q., *TVT April 2020* 4353-4366
- Gong, J.**, see Li, Z., *TVT Nov. 2020* 12497-12509
- Gong, M.**, see Du, P., *TVT June 2020* 6067-6078
- Gong, P.**, see Gao, X., *TVT July 2020* 7317-7324
- Gong, P.**, see Chen, D., *TVT Oct. 2020* 11963-11974
- Gong, P.**, see Li, P., *TVT Nov. 2020* 13546-13555
- Gong, S.**, see Zou, Y., *TVT Oct. 2020* 12369-12373
- Gong, W.**, see Huang, G., *TVT March 2020* 3357-3369
- Gonzalez-Prelcic, N.**, see Ali, A., *TVT Dec. 2020* 14903-14917
- Gope, P.**, and Sikdar, B., An Efficient Privacy-Preserving Authenticated Key Agreement Scheme for Edge-Assisted Internet of Drones; *TVT Nov. 2020* 13621-13630
- Gorges, D.**, see Jia, Y., *TVT Dec. 2020* 14173-14187
- Gou, B.**, see Fang, S., *TVT Jan. 2020* 207-219
- Gou, B.**, Xu, Y., and Feng, X., State-of-Health Estimation and Remaining-Useful-Life Prediction for Lithium-Ion Battery Using a Hybrid Data-Driven Method; *TVT Oct. 2020* 10854-10867
- Gougeon, G.**, see Charbonnier, R., *TVT Dec. 2020* 14264-14276
- Gouissem, A.**, see Samara, L., *TVT July 2020* 7966-7970
- Goussetis, G.**, see Bai, L., *TVT Dec. 2020* 14225-14237
- Gozalvez, J.**, see Molina-Masegosa, R., *TVT May 2020* 5713-5717
- Gozalvez, J.**, see Thandavarayan, G., *TVT Dec. 2020* 16336-16341
- Grabner, M.J.**, Li, X., and Fu, S., An Adaptive BLAST Successive Interference Cancellation Method for High Data Rate Perfect Space-Time Coded MIMO Systems; *TVT Feb. 2020* 1542-1553
- Gross, W.J.**, see Zhou, H., *TVT Feb. 2020* 1257-1266
- Groza, B.**, Popa, L., and Murvay, P., Highly Efficient Authentication for CAN by Identifier Reallocation With Ordered CMACs; *TVT June 2020* 6129-6140
- Groza, B.**, see Murvay, P., *TVT Sept. 2020* 9767-9780
- Gruber, P.**, see Scamarcio, A., *TVT Oct. 2020* 10681-10699
- Gu, C.**, see Zhang, J., *TVT Oct. 2020* 11220-11232
- Gu, F.**, see Chen, P., *TVT Feb. 2020* 1695-1705
- Gu, J.**, see Jiang, Y., *TVT March 2020* 3021-3033
- Gu, M.**, see Wu, J., *TVT Aug. 2020* 8343-8355
- Gu, Q.**, Jian, Y., Wang, G., Fan, R., Jiang, H., and Zhong, Z., Mobile Edge Computing via Wireless Power Transfer Over Multiple Fading Blocks: An Optimal Stopping Approach; *TVT Sept. 2020* 10348-10361
- Gu, X.**, see Cao, N., *TVT Nov. 2020* 13060-13071
- Gu, Z.**, Lu, H., and Zhu, Z., On Throughput Optimization and Bound Analysis in Cache-Enabled Fiber-Wireless Networks; *TVT Aug. 2020* 9068-9082
- Gualous, H.**, see Li, H., *TVT Nov. 2020* 12832-12842
- Guan, K.**, see He, D., *TVT Nov. 2020* 12408-12417
- Guan, Q.**, see Han, R., *TVT Dec. 2020* 16082-16094
- Guan, W.**, Zhang, H., and Leung, V.C.M., Analysis of Traffic Performance on Network Slicing Using Complex Network Theory; *TVT Dec. 2020* 15188-15199
- Guan, X.**, see Liu, Z., *TVT June 2020* 6699-6708
- Guan, X.**, see Yan, J., *TVT Aug. 2020* 8855-8870
- Guan, X.**, see Liu, Z., *TVT Oct. 2020* 11192-11205
- Guan, X.**, see Lyu, L., *TVT Oct. 2020* 12264-12276
- Guan, X.**, see Xie, Y., *TVT Nov. 2020* 13673-13685
- Guan, X.**, see Lu, X., *TVT Nov. 2020* 13045-13059
- Guan, Y.**, Ren, Y., Li, S.E., Sun, Q., Luo, L., and Li, K., Centralized Cooperation for Connected and Automated Vehicles at Intersections by Proximal Policy Optimization; *TVT Nov. 2020* 12597-12608
- Guan, Y.L.**, see Anand, K., *TVT Feb. 2020* 1679-1694
- Guan, Y.L.**, see Nguyen, H., *TVT July 2020* 6902-6915
- Guan, Y.L.**, see Noor-A-Rahim, M., *TVT Oct. 2020* 12277-12280
- Guan, Y.L.**, see Xiong, K., *TVT Nov. 2020* 12652-12663
- Guglielmi, P.**, see Cirimele, V., *TVT March 2020* 2501-2512
- Gui, G.**, see Huang, H., *TVT Jan. 2020* 1065-1069
- Gui, G.**, Liu, F., Sun, J., Yang, J., Zhou, Z., and Zhao, D., Flight Delay Prediction Based on Aviation Big Data and Machine Learning; *TVT Jan. 2020* 140-150
- Gui, G.**, see Wang, B., *TVT March 2020* 3505-3509
- Gui, G.**, see Wang, Y., *TVT March 2020* 3491-3495
- Gui, G.**, see Wang, Y., *TVT April 2020* 4575-4579
- Gui, G.**, see Sun, J., *TVT April 2020* 4487-4491
- Gui, G.**, see Tian, F., *TVT April 2020* 4130-4141
- Gui, G.**, Zhou, Z., Wang, J., Liu, F., and Sun, J., Machine Learning Aided Air Traffic Flow Analysis Based on Aviation Big Data; *TVT May 2020* 4817-4826
- Gui, G.**, see Wang, Y., *TVT May 2020* 5688-5692
- Gui, G.**, see Yan, P., *TVT July 2020* 7473-7482
- Gui, G.**, see Li, Y., *TVT July 2020* 7493-7502
- Gui, G.**, see Lu, Y., *TVT Aug. 2020* 8459-8467
- Gui, J.**, see Xu, X., *TVT April 2020* 3816-3827
- Gui, J.**, see Wang, Y., *TVT May 2020* 5688-5692
- Gui, L.**, Xiao, F., Zhou, Y., Shu, F., and Val, T., Connectivity Based DV-Hop Localization for Internet of Things; *TVT Aug. 2020* 8949-8958
- Guimaraes, D.A.**, Pietra-Ricci Index Detector for Centralized Data Fusion Cooperative Spectrum Sensing; *TVT Oct. 2020* 12354-12358
- Guizani, M.**, see Dai, S., *TVT Jan. 2020* 998-1007
- Guizani, M.**, see Zhang, T., *TVT March 2020* 3412-3423
- Guizani, M.**, see Zhang, W., *TVT March 2020* 3166-3178
- Guizani, M.**, see Hassija, V., *TVT April 2020* 4182-4191
- Guizani, M.**, see Lin, C., *TVT May 2020* 5481-5493
- Guizani, M.**, see Yassine, A., *TVT May 2020* 5457-5466
- Guizani, M.**, see Song, L., *TVT May 2020* 5403-5415
- Guizani, M.**, see Hassija, V., *TVT May 2020* 5391-5402
- Guizani, M.**, see Budhiraja, I., *TVT July 2020* 7790-7805
- Guizani, M.**, see Bansal, G., *TVT July 2020* 7234-7246
- Guizani, M.**, see Li, B., *TVT Aug. 2020* 8925-8937
- Guizani, M.**, see Han, G., *TVT Aug. 2020* 8959-8971
- Guizani, M.**, see Jiang, J., *TVT Aug. 2020* 9031-9040

- Guizani, M.**, see Chamola, V., *TVT Oct. 2020 10569-10580*
- Guizani, M.**, see Chen, D., *TVT Oct. 2020 11963-11974*
- Guizani, M.**, see Shukla, A., *TVT Nov. 2020 12510-12520*
- Guizani, M.**, see Alladi, T., *TVT Dec. 2020 15068-15077*
- Guizani, M.**, see Alladi, T., *TVT Dec. 2020 14188-14197*
- Guizani, M.**, see Zhang, P., *TVT Dec. 2020 15774-15785*
- Gulliver, T.A.**, see Alhussien, N., *TVT Nov. 2020 12951-12962*
- Gunawan, E.**, see Anand, K., *TVT Feb. 2020 1679-1694*
- Gunnarsson, F.**, see Radnosrati, K., *TVT March 2020 3399-3411*
- Gunther, J.**, see Shi, L., *TVT Nov. 2020 13932-13936*
- Guo, C.**, see Li, Z., *TVT Feb. 2020 1828-1840*
- Guo, C.**, Li, D., Zhang, G., Ding, X., Curtmola, R., and Borcea, C., Dynamic Interior Point Method for Vehicular Traffic Optimization; *TVT May 2020 4855-4868*
- Guo, C.**, Zhao, L., Feng, C., Ding, Z., and Wang, H., Secrecy Performance of NOMA Systems With Energy Harvesting and Full-Duplex Relaying; *TVT Oct. 2020 12301-12305*
- Guo, C.**, Zhang, S., and Ding, Z., UAV-Enabled NOMA Networks Analysis With Selective Incremental Relaying and Imperfect CSI; *TVT Dec. 2020 16276-16281*
- Guo, C.**, see Guo, C., *TVT Dec. 2020 16276-16281*
- Guo, D.**, see Tang, G., *TVT June 2020 5889-5900*
- Guo, D.**, see Yan, J., *TVT Aug. 2020 8855-8870*
- Guo, D.**, Tang, L., Zhang, X., and Liang, Y., Joint Optimization of Handover Control and Power Allocation Based on Multi-Agent Deep Reinforcement Learning; *TVT Nov. 2020 13124-13138*
- Guo, F.**, Yu, F.R., Zhang, H., Ji, H., Leung, V.C.M., and Li, X., An Adaptive Wireless Virtual Reality Framework in Future Wireless Networks: A Distributed Learning Approach; *TVT Aug. 2020 8514-8528*
- Guo, F.**, see Ma, F., *TVT Nov. 2020 14007-14012*
- Guo, G.**, and Zhang, P., Asymptotic Stabilization of USVs With Actuator Dead-Zones and Yaw Constraints Based on Fixed-Time Disturbance Observer; *TVT Jan. 2020 302-316*
- Guo, G.**, Li, P., and Hao, L., Adaptive Fault-Tolerant Control of Platoons With Guaranteed Traffic Flow Stability; *TVT July 2020 6916-6927*
- Guo, G.**, see Li, D., *TVT Dec. 2020 14793-14802*
- Guo, H.**, see Liu, Q., *TVT Jan. 2020 1055-1059*
- Guo, H.**, see Zhang, J., *TVT Feb. 2020 2092-2104*
- Guo, H.**, see Jiang, Y., *TVT March 2020 3021-3033*
- Guo, H.**, see Cao, Z., *TVT March 2020 2424-2436*
- Guo, H.**, see Hong, L., *TVT Sept. 2020 10177-10187*
- Guo, H.**, see Chen, W., *TVT Dec. 2020 15867-15879*
- Guo, J.**, Zhang, S., Zhao, N., and Wang, X., Performance of SWIPT for Full-Duplex Relay System With Co-Channel Interference; *TVT Feb. 2020 2311-2315*
- Guo, J.**, see Luo, B., *TVT Feb. 2020 2034-2048*
- Guo, J.**, see Sun, W., *TVT March 2020 2864-2877*
- Guo, J.**, Rodriguez, R., Gareau, J., Schumacher, D., Alizadeh, M., Azer, P., Bauman, J., Bilgin, B., and Emadi, A., A Comprehensive Analysis for High-Power Density, High-Efficiency 60 kW Interleaved Boost Converter Design for Electrified Powertrains; *TVT July 2020 7131-7145*
- Guo, J.**, and Yang, C., Impact of Prediction Errors on High Throughput Predictive Resource Allocation; *TVT Sept. 2020 9984-9999*
- Guo, K.**, see Zhang, L., *TVT March 2020 2598-2612*
- Guo, K.**, Sheng, M., Tang, J., Quek, T.Q.S., and Qiu, Z., Hierarchical Offloading for Delay-Constrained Applications in Fog RAN; *TVT April 2020 4257-4270*
- Guo, K.**, An, K., Zhang, B., Huang, Y., Tang, X., Zheng, G., and Tsiftsis, T.A., Physical Layer Security for Multiuser Satellite Communication Systems With Threshold-Based Scheduling Scheme; *TVT May 2020 5129-5141*
- Guo, K.**, Lin, M., Zhang, B., Wang, J., Wu, Y., Zhu, W., and Cheng, J., Performance Analysis of Hybrid Satellite-Terrestrial Cooperative Networks With Relay Selection; *TVT Aug. 2020 9053-9067*
- Guo, K.**, see Zhao, B., *TVT Dec. 2020 14631-14644*
- Guo, L.**, see Zhang, Y., *TVT Jan. 2020 338-348*
- Guo, L.**, see Liu, Q., *TVT Jan. 2020 1055-1059*
- Guo, L.**, see Sun, J., *TVT April 2020 4487-4491*
- Guo, L.**, see Qi, W., *TVT July 2020 7723-7734*
- Guo, L.**, see Li, H., *TVT Dec. 2020 14330-14340*
- Guo, M.**, and Gursoy, M.C., Gibbs Distribution Based Antenna Splitting and User Scheduling in Full Duplex Massive MIMO Systems; *TVT April 2020 4508-4515*
- Guo, N.**, Lenzo, B., Zhang, X., Zou, Y., Zhai, R., and Zhang, T., A Real-Time Nonlinear Model Predictive Controller for Yaw Motion Optimization of Distributed Drive Electric Vehicles; *TVT May 2020 4935-4946*
- Guo, Q.**, see Zhang, Y., *TVT Aug. 2020 8643-8656*
- Guo, Q.**, A Robust Traction Control Platform for AWD Vehicles With AWD TMU and eLSD; *TVT Aug. 2020 8395-8406*
- Guo, S.**, Dai, Y., Qiu, X., and Qi, F., Blockchain Meets Edge Computing: Stackelberg Game and Double Auction Based Task Offloading for Mobile Blockchain; *TVT May 2020 5549-5561*
- Guo, S.**, see Guo, S., *TVT May 2020 5549-5561*
- Guo, S.**, see Yao, H., *TVT June 2020 6718-6730*
- Guo, S.**, see Liu, B., *TVT Aug. 2020 8777-8791*
- Guo, S.**, see Chen, C., *TVT Oct. 2020 10606-10618*
- Guo, W.**, Li, C., Zhao, H., Wen, R., and Tang, Y., Comprehensive Effects of Imperfect Synchronization and Channel Estimation on Known Interference Cancellation; *TVT Jan. 2020 457-470*
- Guo, W.**, Li, J., Liu, X., and Yang, Y., Privacy-Preserving Compressive Sensing for Real-Time Traffic Monitoring in Urban City; *TVT Dec. 2020 14510-14522*
- Guo, X.**, Zhang, J., Chen, S., Zhu, C., and Yang, J., Optimal Uplink Pilot-Data Power Allocation for Large-Scale Antenna Array-Aided OFDM Systems; *TVT Jan. 2020 428-442*
- Guo, X.**, see Li, B., *TVT Aug. 2020 8925-8937*
- Guo, Y.**, Yu, F.R., An, J., Yang, K., Yu, C., and Leung, V.C.M., Adaptive Bitrate Streaming in Wireless Networks With Transcoding at Network Edge Using Deep Reinforcement Learning; *TVT April 2020 3879-3892*
- Guo, Y.**, see Sun, X., *TVT May 2020 4968-4978*
- Guo, Y.**, see Ma, Z., *TVT June 2020 5836-5849*
- Guo, Y.**, Yin, S., and Hao, J., Joint Placement and Resources Optimization for Multi-User UAV-Relaying Systems With Underlaid Cellular Networks; *TVT Oct. 2020 12374-12377*
- Guo, Y.**, see Zhong, X., *TVT Dec. 2020 15019-15034*
- Gupta, A.**, see Nath, A., *TVT Dec. 2020 14701-14712*
- Gupta, H.P.**, see Kumari, P., *TVT Oct. 2020 11090-11098*
- Gupta, R.**, Kumar, S., and Majhi, S., Blind Modulation Classification for Asynchronous OFDM Systems Over Unknown Signal Parameters and Channel Statistics; *TVT May 2020 5281-5292*
- Gupta, R.**, see Kumar, S., *TVT June 2020 6254-6263*
- Gupta, R.**, see Nath, A., *TVT Dec. 2020 14701-14712*
- Gupta, S.**, and Chakareski, J., Lifetime Maximization in Mobile Edge Computing Networks; *TVT March 2020 3310-3321*
- Gupta, S.**, see Liu, H., *TVT Oct. 2020 11295-11307*
- Gurjar, D.S.**, see Prathima, A., *TVT Nov. 2020 13467-13481*
- Gursoy, M.C.**, see Hu, Y., *TVT March 2020 3093-3104*
- Gursoy, M.C.**, see Guo, M., *TVT April 2020 4508-4515*
- Gursoy, M.C.**, see Hu, Y., *TVT Aug. 2020 8972-8984*
- Guruacharya, S.**, Lu, X., and Hossain, E., Optimal Non-Coherent Detector for Ambient Backscatter Communication System; *TVT Dec. 2020 16197-16201*
- Gustafson, C.**, Mahler, K., Bolin, D., and Tufvesson, F., The COST IRACON Geometry-Based Stochastic Channel Model for Vehicle-to-Vehicle Communication in Intersections; *TVT March 2020 2365-2375*
- Gustafsson, F.**, see Radnosrati, K., *TVT March 2020 3399-3411*
- Gutierrez, C.A.**, see Diaz-Ibarra, M.A., *TVT Oct. 2020 11992-12003*
- Guvenc, L.**, see Ma, F., *TVT Aug. 2020 8207-8220*
- Guzelis, C.**, see Toprak, T., *TVT May 2020 5041-5054*
- Gyawali, S.**, Qian, Y., and Hu, R.Q., Machine Learning and Reputation Based Misbehavior Detection in Vehicular Communication Networks; *TVT Aug. 2020 8871-8885*

H

- Haghighat, J.**, see Olyae, M., *TVT Nov. 2020 13437-13449*
- Hai, H.**, see Li, J., *TVT Jan. 2020 1106-1110*
- Haider, N.**, see Suarez Rodriguez, A.C., *TVT Oct. 2020 12043-12057*
- HajiAkhondi-Meybodi, Z.**, Abouei, J., Jassemuddin, M., and Mohammadi, A., Mobility-Aware Femtocaching Algorithm in D2D Networks Based on Handover; *TVT Sept. 2020 10188-10201*
- Hakimi, A.**, Mohammadi, M., Mobini, Z., and Ding, Z., Full-Duplex Non-Orthogonal Multiple Access Cooperative Spectrum-Sharing Networks With Non-Linear Energy Harvesting; *TVT Oct. 2020 10925-10936*
- Halili, R.**, see Yusuf, M., *TVT Nov. 2020 12396-12407*
- Halimi, A.**, see Wallace, A.M., *TVT July 2020 7064-7077*
- Hamdi, R.**, Driouch, E., and Ajib, W., New Efficient Transmission Technique for HetNets With Massive MIMO Wireless Backhaul; *TVT Jan. 2020 663-675*
- Hametner, C.**, see Wasserburger, A., *TVT Dec. 2020 14424-14435*
- Hamila, R.**, see Samara, L., *TVT July 2020 7966-7970*
- Hamouda, S.**, see Mouchili, S., *TVT April 2020 4093-4103*
- Hamouda, W.**, see Kamel, M., *TVT Jan. 2020 746-759*
- Hamouda, W.**, see Elhoushy, S., *TVT Aug. 2020 8627-8642*
- Hamouda, W.**, see Tashman, D.H., *TVT Aug. 2020 8433-8442*
- Hamouda, W.**, see Ibrahim, M., *TVT Sept. 2020 9951-9959*
- Hamouda, W.**, see Olyae, M., *TVT Nov. 2020 13437-13449*
- Hamouda, W.A.**, see Hashemi, H., *TVT Feb. 2020 1751-1765*
- Han, C.**, see Yu, Q., *TVT Feb. 2020 1777-1791*
- Han, C.**, Huo, L., Tong, X., Wang, H., and Liu, X., Spatial Anti-Jamming Scheme for Internet of Satellites Based on the Deep Reinforcement Learning and Stackelberg Game; *TVT May 2020 5331-5342*
- Han, D.**, Kwak, S.S., Park, J., Kwon, Y., and Kim, Y.S., On-Road Dynamic Pattern Projection Using an Active Mirror for Vehicle Warning Systems; *TVT May 2020 4947-4956*
- Han, D.**, see Cui, M., *TVT Dec. 2020 15815-15827*
- Han, G.**, see Zhang, J., *TVT March 2020 3217-3230*
- Han, G.**, see Zhang, T., *TVT March 2020 3412-3423*
- Han, G.**, see Zhang, W., *TVT March 2020 3166-3178*
- Han, G.**, see Hassija, V., *TVT April 2020 4182-4191*
- Han, G.**, see Lin, C., *TVT May 2020 5481-5493*
- Han, G.**, Zhou, Z., Zhang, T., Wang, H., Liu, L., Peng, Y., and Guizani, M., Ant-Colony-Based Complete-Coverage Path-Planning Algorithm for Underwater Gliders in Ocean Areas With Thermoclines; *TVT Aug. 2020 8959-8971*
- Han, G.**, see Jiang, J., *TVT Aug. 2020 9031-9040*
- Han, G.**, see Xu, H., *TVT Sept. 2020 10127-10139*
- Han, G.**, see Dong, L., *TVT Sept. 2020 9292-9303*
- Han, J.**, see Fei, H., *TVT Feb. 2020 2263-2273*
- Han, J.**, Ma, S., Wang, Y., and Leus, G., Low-Complexity Equalization of MIMO-OSDM; *TVT Feb. 2020 2301-2305*
- Han, J.**, see Lu, J., *TVT March 2020 3190-3201*
- Han, J.**, see Yang, F., *TVT June 2020 6422-6436*
- Han, J.**, see Zhang, J., *TVT Oct. 2020 11152-11168*
- Han, K.**, see Park, G., *TVT April 2020 3668-3679*
- Han, K.**, see Mun, H., *TVT July 2020 7078-7091*
- Han, K.**, see Sankar, G.S., *TVT Dec. 2020 14484-14493*
- Han, L.**, see Fan, J., *TVT Jan. 2020 1111-1116*
- Han, L.**, Zheng, K., Zhao, L., Wang, X., and Wen, H., Content-Aware Traffic Data Completion in ITS Based on Generative Adversarial Nets; *TVT Oct. 2020 11950-11962*
- Han, L.**, see Li, P., *TVT Nov. 2020 13546-13555*
- Han, M.**, Khairy, S., Cai, L.X., Cheng, Y., and Zhang, R., Reinforcement Learning for Efficient and Fair Coexistence Between LTE-LAA and Wi-Fi; *TVT Aug. 2020 8764-8776*
- Han, Q.**, see Zhou, L., *TVT April 2020 3604-3614*
- Han, R.**, see Bai, L., *TVT Jan. 2020 497-508*
- Han, R.**, Guan, Q., Yu, F.R., Shi, J., and Ji, F., Congestion and Position Aware Dynamic Routing for the Internet of Vehicles; *TVT Dec. 2020 16082-16094*
- Han, S.**, see Xu, S., *TVT Feb. 2020 1903-1912*
- Han, S.**, Ren, X., Lu, J., and Dong, J., An Orientation Navigation Approach Based on INS and Odometer Integration for Underground Unmanned Excavating Machine; *TVT Oct. 2020 10772-10786*
- Han, S.**, see Chen, Q., *TVT Nov. 2020 13658-13672*
- Han, S.**, see Jeong, W., *TVT Nov. 2020 13916-13920*
- Han, S.**, see Zhang, Y., *TVT Dec. 2020 15298-15313*
- Han, S.I.**, see Baek, J., *TVT Feb. 2020 1741-1750*
- Han, Y.**, Lee, J., Zakaria, R., and Le Ruyet, D., Joint Modulation and Beamforming for MIMO Systems With 1-b DACs; *TVT Jan. 2020 1075-1079*
- Han, Y.**, see Baek, J., *TVT Feb. 2020 1741-1750*
- Han, Y.**, Tao, X., Zhang, X., and Jia, S., Delay-Aware Resource Management for Multi-Service Coexisting LTE-D2D Networks With Wireless Network Virtualization; *TVT July 2020 7339-7353*
- Han, Y.**, see Lim, J., *TVT Oct. 2020 11323-11337*
- Han, Y.**, see Baek, J., *TVT Oct. 2020 10558-10568*
- Han, Y.**, Tao, X., Zhang, X., and Jia, S., Hierarchical Resource Allocation in Multi-Service Wireless Networks With Wireless Network Virtualization; *TVT Oct. 2020 11811-11827*
- Han, Z.**, see Pham, Q., *TVT Feb. 2020 1982-1993*
- Han, Z.**, see Yu, Y., *TVT Feb. 2020 1706-1718*
- Han, Z.**, see Sultan, R., *TVT March 2020 2850-2863*
- Han, Z.**, see Li, B., *TVT March 2020 2376-2388*
- Han, Z.**, see Zhang, Q., *TVT March 2020 3280-3295*
- Han, Z.**, see Wu, Z., *TVT April 2020 4417-4425*
- Han, Z.**, see Zhang, H., *TVT April 2020 4498-4502*
- Han, Z.**, see Di, B., *TVT April 2020 4565-4570*
- Han, Z.**, see Wang, X., *TVT April 2020 3916-3928*
- Han, Z.**, see Zhang, H., *TVT May 2020 5467-5480*
- Han, Z.**, see Chen, D., *TVT May 2020 5634-5646*
- Han, Z.**, see Chen, Y., *TVT Sept. 2020 9736-9749*
- Han, Z.**, see Li, H., *TVT Sept. 2020 10214-10226*
- Han, Z.**, see Lu, J., *TVT Sept. 2020 10090-10102*
- Han, Z.**, see Zhang, Y., *TVT Oct. 2020 11599-11611*
- Han, Z.**, see Wu, Z., *TVT Oct. 2020 12216-12228*
- Han, Z.**, see Xu, C., *TVT Oct. 2020 11771-11785*
- Han, Z.**, see Zhang, S., *TVT Nov. 2020 13905-13909*
- Han, Z.**, see Su, C., *TVT Nov. 2020 13686-13701*
- Han, Z.**, see Wang, Y., *TVT Nov. 2020 13836-13848*
- Han, Z.**, see Khan, W.U., *TVT Dec. 2020 15284-15297*
- Han, Z.**, see Gao, F., *TVT Dec. 2020 14365-14376*
- Han, Z.**, see Li, L., *TVT Dec. 2020 15594-15605*
- Haneda, K.**, see Solomiteckii, D., *TVT Feb. 2020 1227-1236*
- Hang, P.**, Lv, C., Huang, C., Cai, J., Hu, Z., and Xing, Y., An Integrated Framework of Decision Making and Motion Planning for Autonomous Vehicles Considering Social Behaviors; *TVT Dec. 2020 14458-14469*
- Hang, Z.**, see Dai, P., *TVT July 2020 7821-7834*
- Hanif, M.F.**, see Lyons, O., *TVT July 2020 8023-8027*
- Hanzo, L.**, see Yang, H., *TVT Jan. 2020 1023-1036*
- Hanzo, L.**, see Zhou, G., *TVT Jan. 2020 1163-1167*
- Hanzo, L.**, see Chen, X., *TVT Feb. 2020 2246-2262*
- Hanzo, L.**, see Nasir, A.A., *TVT Feb. 2020 2322-2326*
- Hanzo, L.**, see Zhang, H., *TVT Feb. 2020 1766-1776*
- Hanzo, L.**, see Xiang, L., *TVT Feb. 2020 1281-1290*
- Hanzo, L.**, see Nasir, A.A., *TVT March 2020 2943-2956*
- Hanzo, L.**, see Ma, S., *TVT April 2020 4585-4589*
- Hanzo, L.**, see Yang, J., *TVT April 2020 4460-4471*
- Hanzo, L.**, see Sha, Z., *TVT April 2020 3929-3942*
- Hanzo, L.**, see Wang, L., *TVT May 2020 5583-5597*
- Hanzo, L.**, see Ding, X., *TVT July 2020 7648-7662*
- Hanzo, L.**, see Liu, X., *TVT Aug. 2020 8329-8342*
- Hanzo, L.**, see Li, S., *TVT Aug. 2020 9174-9179*
- Hanzo, L.**, see Chen, S., *TVT Sept. 2020 10227-10241*
- Hanzo, L.**, see Qiao, L., *TVT Sept. 2020 10391-10396*
- Hanzo, L.**, see Liu, Y., *TVT Oct. 2020 11673-11684*
- Hanzo, L.**, see Liu, Y., *TVT Oct. 2020 12327-12332*
- Hanzo, L.**, see Noor-A-Rahim, M., *TVT Oct. 2020 12277-12280*
- Hanzo, L.**, see Zhang, Y., *TVT Oct. 2020 11206-11219*
- Hanzo, L.**, see Xiang, L., *TVT Nov. 2020 13921-13926*
- Hanzo, L.**, see Yu, H., *TVT Nov. 2020 13990-13995*
- Hanzo, L.**, see Shen, L., *TVT Nov. 2020 13875-13889*

- Hanzo, L.**, see Zhang, H., *TVT Nov. 2020 14104-14109*
- Hanzo, L.**, see Zhou, G., *TVT Nov. 2020 14116-14121*
- Hanzo, L.**, see Wang, K., *TVT Nov. 2020 13579-13592*
- Hanzo, L.**, see Zhang, Y., *TVT Nov. 2020 12843-12856*
- Hanzo, L.**, see Xiang, L., *TVT Nov. 2020 12449-12458*
- Hanzo, L.**, see Zhang, Y., *TVT Dec. 2020 16230-16234*
- Hanzo, L.**, see Wang, Y., *TVT Dec. 2020 16224-16229*
- Hanzo, L.**, see Lin, Y., *TVT Dec. 2020 16027-16043*
- Hanzo, L.**, see An, J., *TVT Dec. 2020 16202-16206*
- Hanzo, L.**, see Wang, X., *TVT Dec. 2020 16330-16335*
- Hao, C.**, see Shi, B., *TVT Aug. 2020 8684-8697*
- Hao, J.**, see Guo, Y., *TVT Oct. 2020 12374-12377*
- Hao, L.**, see Yan, L., *TVT April 2020 3968-3979*
- Hao, L.**, see Guo, G., *TVT July 2020 6916-6927*
- Hao, W.**, see Zeng, M., *TVT June 2020 6788-6792*
- Hao, W.**, see Jia, S., *TVT Dec. 2020 16294-16298*
- Hariharan, K.S.**, see Verma, M.K.S., *TVT March 2020 2563-2575*
- Hashemi, H.**, Haghighat, J., Eslami, M., and Hamouda, W.A., Analysis of Equal Gain Combining Over Fluctuating Two-Ray Channels With Applications to Millimeter-Wave Communications; *TVT Feb. 2020 1751-1765*
- Hasna, M.O.**, see Bao, T., *TVT Jan. 2020 1122-1126*
- Hasna, M.O.**, see Jayakody, D.N.K., *TVT Jan. 2020 578-592*
- Hasna, M.O.**, see Samara, L., *TVT July 2020 7966-7970*
- Hasna, M.O.**, see Yang, L., *TVT Sept. 2020 10385-10390*
- Hasna, M.O.**, see Yang, L., *TVT Oct. 2020 12296-12300*
- Hassan, M.**, see Hoseini, S.A., *TVT Dec. 2020 15458-15471*
- Hassan, N.U.**, see Wang, M., *TVT April 2020 4042-4057*
- Hassan, S.A.**, see Akhtar, M.W., *TVT Oct. 2020 11712-11727*
- Hassel, M.**, see Jonasson, M., *TVT May 2020 4788-4802*
- Hassija, V.**, Chamola, V., Han, G., Rodrigues, J.J.P.C., and Guizani, M., DAGIoV: A Framework for Vehicle to Vehicle Communication Using Directed Acyclic Graph and Game Theory; *TVT April 2020 4182-4191*
- Hassija, V.**, Chamola, V., Krishna, D.N.G., and Guizani, M., A Distributed Framework for Energy Trading Between UAVs and Charging Stations for Critical Applications; *TVT May 2020 5391-5402*
- Hassija, V.**, Chamola, V., Garg, S., Krishna, D.N.G., Kaddoum, G., and Jayakody, D.N.K., A Blockchain-Based Framework for Lightweight Data Sharing and Energy Trading in V2G Network; *TVT June 2020 5799-5812*
- Hassija, V.**, Saxena, V., Chamola, V., and Richard Yu, F., A Parking Slot Allocation Framework Based on Virtual Voting and Adaptive Pricing Algorithm; *TVT June 2020 5945-5957*
- Hathal, W.**, Cruickshank, H., Sun, Z., and Maple, C., Certificateless and Lightweight Authentication Scheme for Vehicular Communication Networks; *TVT Dec. 2020 16110-16125*
- Haus, B.**, and Mercorelli, P., Polynomial Augmented Extended Kalman Filter to Estimate the State of Charge of Lithium-Ion Batteries; *TVT Feb. 2020 1452-1463*
- Hayajneh, M.**, see Alsmadi, M.M., *TVT June 2020 6793-6797*
- He, C.**, see Jing, L., *TVT March 2020 3080-3092*
- He, C.**, see Cao, A., *TVT Dec. 2020 16213-16217*
- He, D.**, see Chen, B., *TVT June 2020 5813-5825*
- He, D.**, see Yang, Y., *TVT Aug. 2020 9185-9189*
- He, D.**, Guan, K., Garcia-Loygorri, J.M., Ai, B., Wang, X., Zheng, C., Briso-Rodriguez, C., and Zhong, Z., Channel Characterization and Hybrid Modeling for Millimeter-Wave Communications in Metro Train; *TVT Nov. 2020 12408-12417*
- He, F.**, see Lu, Y., *TVT Dec. 2020 14858-14868*
- He, H.**, see Zhu, Y., *TVT April 2020 3615-3627*
- He, H.**, Lyu, S., He, Q., and Xu, D., Network Coding Assisted Secure Transmission in Full-Duplex Relay Networks; *TVT Aug. 2020 9196-9200*
- He, H.**, Tang, X., and Wang, D., Achieving Positive Secrecy Rate in Wireless Multiple Access Wiretap Channels; *TVT Aug. 2020 9121-9125*
- He, J.**, see Liu, H., *TVT Oct. 2020 11295-11307*
- He, J.**, see Fan, B., *TVT Nov. 2020 13328-13340*
- He, K.**, see Xia, J., *TVT April 2020 4492-4497*
- He, L.**, see Xu, S., *TVT Feb. 2020 1903-1912*
- He, L.**, Liang, B., Li, J., and Sheng, M., Balancing Coverage and Response Time in Area Target Scheduling for Satellite Networks; *TVT June 2020 6848-6853*
- He, N.**, see Zhang, W., *TVT Aug. 2020 8698-8709*
- He, Q.**, see Shi, Z., *TVT June 2020 6275-6285*
- He, Q.**, see He, H., *TVT Aug. 2020 9196-9200*
- He, R.**, see Huang, C., *TVT Jan. 2020 1041-1045*
- He, R.**, see Tian, X., *TVT Feb. 2020 1473-1483*
- He, R.**, see Ma, Z., *TVT Feb. 2020 1214-1226*
- He, R.**, see Wu, J., *TVT July 2020 7040-7053*
- He, R.**, see Wang, J., *TVT July 2020 7211-7222*
- He, R.**, see Chen, Y., *TVT Sept. 2020 9736-9749*
- He, R.**, see Ma, Z., *TVT Nov. 2020 12418-12431*
- He, R.**, see Ju, H., *TVT Dec. 2020 15325-15334*
- He, S.**, Wang, W., Yang, H., Cao, Y., Jiang, T., and Zhang, Q., State-Aware Rate Adaptation for UAVs by Incorporating On-Board Sensors; *TVT Jan. 2020 488-496*
- He, S.**, see Yang, G., *TVT Jan. 2020 851-861*
- He, S.**, see Zhang, Y., *TVT Jan. 2020 948-957*
- He, S.**, see Ma, R., *TVT Feb. 2020 2126-2140*
- He, S.**, see Huang, W., *TVT March 2020 3481-3485*
- He, S.**, see Lai, K., *TVT Nov. 2020 13341-13356*
- He, T.**, Chin, K., Soh, S., Yang, C., and Wen, J., On Maximizing Min Source Rate in Power Beacon Assisted IoTs Networks; *TVT Oct. 2020 11880-11892*
- He, T.**, see Gao, D., *TVT Oct. 2020 11179-11191*
- He, W.**, see Ma, Z., *TVT June 2020 5836-5849*
- He, X.**, and Huang, L., Joint MIMO Communication and MIMO Radar Under Different Practical Waveform Constraints; *TVT Dec. 2020 16342-16347*
- He, Y.**, see Suarez Rodriguez, A.C., *TVT Oct. 2020 12043-12057*
- He, Y.**, and Ren, G., Spatial Filtering Based Random Access for Machine-Type Communications in Massive MIMO Cellular Networks; *TVT Oct. 2020 11479-11490*
- He, Y.**, see Sui, Y., *TVT Nov. 2020 13383-13399*
- He, Y.**, Ren, J., Yu, G., and Yuan, J., Importance-Aware Data Selection and Resource Allocation in Federated Edge Learning System; *TVT Nov. 2020 13593-13605*
- He, Y.**, see Gao, F., *TVT Dec. 2020 14365-14376*
- He, Z.**, see Lago, L.A., *TVT Jan. 2020 405-417*
- He, Z.**, see Zhang, W., *TVT Aug. 2020 8698-8709*
- He, Z.**, see Fan, B., *TVT Nov. 2020 13328-13340*
- He, Z.**, Yang, Z., Cui, X., and Li, E., A Method of State-of-Charge Estimation for EV Power Lithium-Ion Battery Using a Novel Adaptive Extended Kalman Filter; *TVT Dec. 2020 14618-14630*
- Helaoui, M.**, see Hu, X., *TVT Sept. 2020 9849-9865*
- Hemadneh, I.A.**, see Zhang, Y., *TVT Nov. 2020 12843-12856*
- Hempel, M.**, see Ghasemzadeh, P., *TVT Nov. 2020 13243-13258*
- Hendeby, G.**, see Radnosrati, K., *TVT March 2020 3399-3411*
- Heng, W.**, see Yao, J., *TVT Feb. 2020 1841-1854*
- Hentati, A.**, Frigon, J., and Ajib, W., Energy Harvesting Wireless Sensor Networks With Channel Estimation: Delay and Packet Loss Performance Analysis; *TVT Feb. 2020 1956-1969*
- Hentila, L.**, see Ji, Y., *TVT Feb. 2020 1203-1213*
- Herath, J.D.**, see Kulkarni, A., *TVT Jan. 2020 443-456*
- Herrmann, G.**, see Wragge-Morley, R., *TVT July 2020 7000-7013*
- Himayat, N.**, see Tafintsev, N., *TVT Sept. 2020 10070-10084*
- Hiraguri, T.**, Nishimori, K., Shitara, I., Mitsui, T., Shindo, T., Kimura, T., Matsuda, T., and Yoshino, H., A Cooperative Transmission Scheme in Drone-Based Networks; *TVT March 2020 2905-2914*
- Ho, C.D.**, Ngo, H.Q., and Matthaiou, M., Pilot Assignment and Power Allocation for Multipair Massive MIMO DF Relaying Networks; *TVT July 2020 7379-7388*
- Ho, I.W.**, Chau, S.C., Magsino, E.R., and Jia, K., Efficient 3D Road Map Data Exchange for Intelligent Vehicles in Vehicular Fog Networks; *TVT March 2020 3151-3165*
- Hoang, D.T.**, see Zou, Y., *TVT Oct. 2020 12369-12373*
- Hoang, T.M.**, Nguyen, B.C., Tran, P.T., and Dung, L.T., Outage Analysis of RF Energy Harvesting Cooperative Communication Systems Over Nakag-

- ami-mFading Channels With Integer and Non-Integer; *TVT March 2020* 2785-2801
- Hoang, T.M.,** Tran, X.N., Nguyen, B.C., and Dung, L.T., On the Performance of MIMO Full-Duplex Relaying System With SWIPT Under Outdated CSI; *TVT Dec. 2020* 15580-15593
- Hodtani, G.A.,** see Gholami, R., *TVT Sept. 2020* 9938-9950
- Hoki, K.,** see Kawakami, T., *TVT Dec. 2020* 16168-16172
- Hong, C.,** Shan, H., Song, M., Zhuang, W., Xiang, Z., Wu, Y., and Yu, X., A Joint Design of Platoon Communication and Control Based on LTE-V2V; *TVT Dec. 2020* 15893-15907
- Hong, C.S.,** see Nguyen, M.N.H., *TVT May 2020* 5618-5633
- Hong, C.S.,** see Chen, D., *TVT May 2020* 5634-5646
- Hong, C.S.,** see Le, T.H.T., *TVT Dec. 2020* 15162-15176
- Hong, D.,** Lee, S., Cho, Y.H., Baek, D., Kim, J., and Chang, N., Least-Energy Path Planning With Building Accurate Power Consumption Model of Rotary Unmanned Aerial Vehicle; *TVT Dec. 2020* 14803-14817
- Hong, J.,** see Xu, J., *TVT June 2020* 6688-6698
- Hong, J.,** Park, J., Shin, W., and Baek, S., Spectral Efficient Resource Allocation for URLLC in Distributed Antenna Systems; *TVT Dec. 2020* 15057-15067
- Hong, L.,** Guo, H., Liu, J., and Zhang, Y., Toward Swarm Coordination: Topology-Aware Inter-UAV Routing Optimization; *TVT Sept. 2020* 10177-10187
- Hong, P.,** see Li, R., *TVT April 2020* 4006-4018
- Hong, P.,** see Xu, J., *TVT June 2020* 6688-6698
- Hong, W.,** see Youn, Y., *TVT Feb. 2020* 1719-1726
- Hong, X.,** see Yang, Q., *TVT March 2020* 2967-2979
- Hong, Y.,** see Sharma, S., *TVT March 2020* 3496-3499
- Hong, Y.,** see Mamaghani, M.T., *TVT Aug. 2020* 8586-8600
- Hong, Y.,** see Sinha, A.K., *TVT Dec. 2020* 15078-15094
- Hong, Y.,** see R. T., R., *TVT Dec. 2020* 16218-16223
- Hoon-Kim, T.,** see Kumar, G., *TVT July 2020* 7707-7722
- Horlin, F.,** see Monfared, S., *TVT Oct. 2020* 11369-11382
- Horng, S.,** Lu, C., and Zhou, W., An Identity-Based and Revocable Data-Sharing Scheme in VANETs; *TVT Dec. 2020* 15933-15946
- Hoseini, S.A.,** Ding, M., Hassan, M., and Chen, Y., Analyzing the Impact of Molecular Re-Radiation on the MIMO Capacity in High-Frequency Bands; *TVT Dec. 2020* 15458-15471
- Hosseinzezhad, R.,** see Yi, W., *TVT April 2020* 4104-4118
- Hossain, E.,** see Guruacharya, S., *TVT Dec. 2020* 16197-16201
- Hossain, M.S.,** see Yassine, A., *TVT May 2020* 5457-5466
- Hou, C.,** see Tu, Y., *TVT Sept. 2020* 10085-10089
- Hou, F.,** see Qian, B., *TVT June 2020* 6374-6387
- Hou, L.,** see Yao, Y., *TVT Oct. 2020* 10750-10758
- Hou, T.,** Liu, Y., Song, Z., Sun, X., and Chen, Y., UAV-to-Everything (U2X) Networks Relying on NOMA: A Stochastic Geometry Model; *TVT July 2020* 7558-7568
- Hou, X.,** see Wu, W., *TVT Jan. 2020* 361-376
- Howey, B.,** Bilgin, B., and Emadi, A., Design of an External-Rotor Direct Drive E-Bike Switched Reluctance Motor; *TVT March 2020* 2552-2562
- Howey, B.,** see Bilgin, B., *TVT July 2020* 7172-7186
- Hsieh, H.,** see Yang, N., *TVT Jan. 2020* 876-886
- Hsieh, H.,** see Sun, K., *TVT July 2020* 7518-7530
- Hsu, L.,** see Zhang, G., *TVT May 2020* 4979-4991
- Hu, A.,** see Peng, L., *TVT Jan. 2020* 1091-1095
- Hu, A.,** Pilot Design and Allocation for Multi-Cell Massive MIMO Systems With Two-Tier Receiving; *TVT July 2020* 7443-7457
- Hu, C.,** see Sun, X., *TVT May 2020* 4968-4978
- Hu, D.,** see Xu, W., *TVT Jan. 2020* 131-139
- Hu, F.,** see Mao, Z., *TVT June 2020* 6463-6472
- Hu, F.,** see Tang, X., *TVT Sept. 2020* 9896-9909
- Hu, F.,** see Wang, T., *TVT Nov. 2020* 13400-13409
- Hu, H.,** see Yang, J., *TVT April 2020* 4460-4471
- Hu, H.,** Gao, Y., Zhang, J., Chu, X., Chen, Q., and Zhang, J., On the Fairness of the Coexisting LTE-U and WiFi Networks Sharing Multiple Unlicensed Channels; *TVT Nov. 2020* 13890-13904
- Hu, J.,** Wu, Y., Chen, R., Shu, F., and Wang, J., Optimal Detection of UAV's Transmission With Beam Sweeping in Covert Wireless Networks; *TVT Jan. 2020* 1080-1085
- Hu, J.,** see Yang, F., *TVT Jan. 2020* 771-783
- Hu, J.,** Zhang, X., and Maybank, S., Abnormal Driving Detection With Normalized Driving Behavior Data: A Deep Learning Approach; *TVT July 2020* 6943-6951
- Hu, J.,** see Yue, Q., *TVT Oct. 2020* 11394-11407
- Hu, J.,** see Liu, P., *TVT Oct. 2020* 10630-10641
- Hu, J.,** Zhang, W., Wu, F., and Yang, K., Simultaneous Wireless Content and Power Transfer in F-RAN: Caching, eRRH Classification and Beamforming; *TVT Nov. 2020* 12992-13004
- Hu, J.,** see Zhao, Y., *TVT Nov. 2020* 14078-14082
- Hu, J.,** Niu, H., Carrasco, J., Lennox, B., and Arvin, F., Voronoi-Based Multi-Robot Autonomous Exploration in Unknown Environments via Deep Reinforcement Learning; *TVT Dec. 2020* 14413-14423
- Hu, J.,** see Chen, R., *TVT Dec. 2020* 15113-15126
- Hu, L.,** see Wang, X., *TVT June 2020* 6452-6462
- Hu, L.,** see Pei, H., *TVT July 2020* 7159-7171
- Hu, Q.,** see Liu, W., *TVT March 2020* 2747-2757
- Hu, Q.,** see Dong, L., *TVT Sept. 2020* 9292-9303
- Hu, R.Q.,** see Zhou, Y., *TVT Jan. 2020* 1168-1172
- Hu, R.Q.,** see Shi, L., *TVT June 2020* 6563-6577
- Hu, R.Q.,** see Huang, J., *TVT Aug. 2020* 8542-8554
- Hu, R.Q.,** see Gyawali, S., *TVT Aug. 2020* 8871-8885
- Hu, R.Q.,** see Ye, Y., *TVT Aug. 2020* 8938-8948
- Hu, R.Q.,** see Shi, L., *TVT Nov. 2020* 13932-13936
- Hu, R.Q.,** see Sun, H., *TVT Dec. 2020* 16325-16329
- Hu, S.,** Pei, Y., Liang, P.P., and Liang, Y., Deep Neural Network for Robust Modulation Classification Under Uncertain Noise Conditions; *TVT Jan. 2020* 564-577
- Hu, W.,** see Wen, L., *TVT May 2020* 5193-5202
- Hu, W.,** see Yang, Q., *TVT July 2020* 6987-6999
- Hu, W.,** see Deng, Q., *TVT Oct. 2020* 10889-10898
- Hu, W.,** see Zhou, H., *TVT Nov. 2020* 13510-13520
- Hu, X.,** see Wei, S., *TVT March 2020* 2449-2462
- Hu, X.,** see Li, W., *TVT April 2020* 3550-3561
- Hu, X.,** see Pei, H., *TVT July 2020* 7159-7171
- Hu, X.,** Liao, X., Liu, Z., Liu, S., Ding, X., Helaoui, M., Wang, W., and Ghanouchi, F.M., Multi-Agent Deep Reinforcement Learning-Based Flexible Satellite Payload for Mobile Terminals; *TVT Sept. 2020* 9849-9865
- Hu, X.,** Chen, H., Li, Z., and Wang, P., An Energy-Saving Torque Vectoring Control Strategy for Electric Vehicles Considering Handling Stability Under Extreme Conditions; *TVT Oct. 2020* 10787-10796
- Hu, X.,** see Xie, Y., *TVT Dec. 2020* 14657-14673
- Hu, X.,** see Khalatbarisoltani, A., *TVT Dec. 2020* 14563-14574
- Hu, Y.,** Li, Y., Gursoy, M.C., Velipasalar, S., and Schmeink, A., Throughput Analysis of Low-Latency IoT Systems With QoS Constraints and Finite Blocklength Codes; *TVT March 2020* 3093-3104
- Hu, Y.,** Yuan, X., Yang, T., Clerckx, B., and Schmeink, A., On the Convex Properties of Wireless Power Transfer With Nonlinear Energy Harvesting; *TVT May 2020* 5672-5676
- Hu, Y.,** see Chen, Y., *TVT June 2020* 6644-6655
- Hu, Y.,** see Zhang, Q., *TVT Aug. 2020* 8305-8316
- Hu, Y.,** Sun, G., Zhang, G., Gursoy, M.C., and Schmeink, A., Optimal Resource Allocation in Ground Wireless Networks Supporting Unmanned Aerial Vehicle Transmissions; *TVT Aug. 2020* 8972-8984
- Hu, Y.,** see Li, G., *TVT Oct. 2020* 11728-11742
- Hu, Y.,** see Gao, B., *TVT Nov. 2020* 12482-12496
- Hu, Z.,** Liu, R.P., Ni, W., Wen, X., Lu, Z., and Dutkiewicz, E., Analysis of Clustered Licensed-Assisted Access in Unlicensed Spectrum; *TVT Jan. 2020* 349-360
- Hu, Z.,** see Zeng, F., *TVT July 2020* 7634-7647
- Hu, Z.,** see Hang, P., *TVT Dec. 2020* 14458-14469
- Hua, J.,** see Chen, H., *TVT Dec. 2020* 15500-15517
- Hua, W.,** see Tong, M., *TVT April 2020* 3793-3804
- Hua, W.,** see Liu, L., *TVT Dec. 2020* 14645-14656
- Hua, X.,** see Xue, W., *TVT Nov. 2020* 13196-13205
- Hua, Y.,** Chang, W., and Su, S., Cooperative Scheduling for Pilot Reuse in Massive MIMO Systems; *TVT Nov. 2020* 12857-12869

- Huaizong, S.**, see Nusenu, S.Y., *TVT June 2020 6286-6298*
- Huang, A.**, see Ahmed, A., *TVT April 2020 4601-4605*
- Huang, C.**, Molisch, A.F., Geng, Y., He, R., Ai, B., and Zhong, Z., Trajectory-Joint Clustering Algorithm for Time-Varying Channel Modeling; *TVT Jan. 2020 1041-1045*
- Huang, C.**, Li, L., Liu, Y., and Xiao, L., Robust Observer Based Intermittent Forces Estimation for Driver Intervention Identification; *TVT April 2020 3628-3640*
- Huang, C.**, Lu, R., Ni, J., and Shen, X., DAPA: A Decentralized, Accountable, and Privacy-Preserving Architecture for Car Sharing Services; *TVT May 2020 4869-4882*
- Huang, C.**, see Zhang, C., *TVT Sept. 2020 10336-10347*
- Huang, C.**, see Yue, Q., *TVT Oct. 2020 11394-11407*
- Huang, C.**, see Xiong, K., *TVT Nov. 2020 12652-12663*
- Huang, C.**, see Hang, P., *TVT Dec. 2020 14458-14469*
- Huang, D.**, see Sun, L., *TVT July 2020 7992-7997*
- Huang, F.**, see Chen, D., *TVT Oct. 2020 10642-10655*
- Huang, G.**, Gong, W., Zhang, B., Li, C., and Li, C., An Online Buffer-Aware Resource Allocation Algorithm for Multiuser Mobile Video Streaming; *TVT March 2020 3357-3369*
- Huang, G.**, see Wang, D., *TVT March 2020 2915-2927*
- Huang, G.**, see Jin, J., *TVT Nov. 2020 13497-13509*
- Huang, H.**, Yang, Y., Wang, H., Ding, Z., Sari, H., and Adachi, F., Deep Reinforcement Learning for UAV Navigation Through Massive MIMO Technique; *TVT Jan. 2020 1117-1121*
- Huang, H.**, Peng, Y., Yang, J., Xia, W., and Gui, G., Fast Beamforming Design via Deep Learning; *TVT Jan. 2020 1065-1069*
- Huang, H.**, see Fei, H., *TVT Feb. 2020 2263-2273*
- Huang, H.**, see Wu, P., *TVT April 2020 4207-4220*
- Huang, H.**, see Liu, B., *TVT Aug. 2020 8777-8791*
- Huang, H.**, see Wu, T., *TVT Aug. 2020 8243-8256*
- Huang, H.**, see Chen, Y., *TVT Nov. 2020 13821-13835*
- Huang, H.**, see Wu, P., *TVT Nov. 2020 13756-13767*
- Huang, J.**, Cui, J., Xing, C., and Gharavi, H., Energy-Efficient SWIPT-Empowered D2D Mode Selection; *TVT April 2020 3903-3915*
- Huang, J.**, Liu, B., Chen, C., Jin, H., Liu, Z., Zhang, C., and Yu, N., Towards Anti-Interference Human Activity Recognition Based on WiFi Subcarrier Correlation Selection; *TVT June 2020 6739-6754*
- Huang, J.**, Qian, Y., and Hu, R.Q., Secure and Efficient Privacy-Preserving Authentication Scheme for 5G Software Defined Vehicular Networks; *TVT Aug. 2020 8542-8554*
- Huang, J.**, see Su, X., *TVT Nov. 2020 13606-13620*
- Huang, K.**, see Huang, S., *TVT July 2020 7735-7750*
- Huang, L.**, see Dai, S., *TVT Jan. 2020 998-1007*
- Huang, L.**, see Tian, M., *TVT March 2020 2716-2730*
- Huang, L.**, see Zhe, T., *TVT May 2020 4907-4919*
- Huang, L.**, see He, X., *TVT Dec. 2020 16342-16347*
- Huang, M.**, see Wang, X., *TVT April 2020 3916-3928*
- Huang, P.**, see Li, C., *TVT March 2020 3231-3243*
- Huang, P.**, Tonnemacher, M.J., Du, Y., Rajan, D., and Camp, J., Towards Massive MIMO Channel Emulation: Channel Accuracy Versus Implementation Resources; *TVT May 2020 4635-4651*
- Huang, P.**, see Wang, S., *TVT May 2020 5203-5218*
- Huang, P.**, see Cao, Y., *TVT Oct. 2020 11139-11151*
- Huang, P.**, see Dong, F., *TVT Nov. 2020 12963-12973*
- Huang, R.**, see Zhan, C., *TVT July 2020 8040-8044*
- Huang, S.**, Jiang, N., Gao, Y., Xu, W., Feng, Z., and Zhu, F., Radar Sensing-Throughput Tradeoff for Radar Assisted Cognitive Radio Enabled Vehicular Ad-Hoc Networks; *TVT July 2020 7483-7492*
- Huang, S.**, Lv, B., Wang, R., and Huang, K., Scheduling for Mobile Edge Computing With Random User Arrivals—An Approximate MDP and Reinforcement Learning Approach; *TVT July 2020 7735-7750*
- Huang, S.**, see Chen, Y., *TVT Sept. 2020 9304-9314*
- Huang, S.**, Xiao, M., and Poor, H.V., On the Physical Layer Security of Millimeter Wave NOMA Networks; *TVT Oct. 2020 11697-11711*
- Huang, T.**, Yuan, X., Yuan, J., and Xiang, W., Optimization of Data Exchange in 5G Vehicle-to-Infrastructure Edge Networks; *TVT Sept. 2020 9376-9389*
- Huang, W.**, see Jiang, Z., *TVT Feb. 2020 2157-2170*
- Huang, W.**, Huang, Y., He, S., and Yang, L., Cloud and Edge Multicast Beamforming for Cache-Enabled Ultra-Dense Networks; *TVT March 2020 3481-3485*
- Huang, W.**, see Sun, K., *TVT July 2020 7518-7530*
- Huang, W.**, see Xu, H., *TVT Sept. 2020 10127-10139*
- Huang, W.**, Zeng, Y., and Huang, Y., Achievable Rate Region of MISO Interference Channel Aided by Intelligent Reflecting Surface; *TVT Dec. 2020 16264-16269*
- Huang, X.**, see Rui, X., *TVT Feb. 2020 1440-1451*
- Huang, X.**, Cao, C., Fan, X., and Chen, Q., User Assisted Dynamic RAN Notification Area Configuration Scheme Based on Delay Sensitivity for 5G Inactive UEs; *TVT March 2020 2671-2683*
- Huang, X.**, see Lu, Y., *TVT April 2020 4298-4311*
- Huang, X.**, see Tang, X., *TVT Sept. 2020 9896-9909*
- Huang, X.**, see Luo, Y., *TVT Oct. 2020 11000-11013*
- Huang, Y.**, Wang, H., Khajepour, A., Ding, H., Yuan, K., and Qin, Y., A Novel Local Motion Planning Framework for Autonomous Vehicles Based on Resistance Network and Model Predictive Control; *TVT Jan. 2020 55-66*
- Huang, Y.**, see Huang, W., *TVT March 2020 3481-3485*
- Huang, Y.**, see Ding, X., *TVT March 2020 2477-2486*
- Huang, Y.**, see Zhang, L., *TVT March 2020 2598-2612*
- Huang, Y.**, see Zhu, J., *TVT March 2020 3008-3020*
- Huang, Y.**, see Li, C., *TVT March 2020 3231-3243*
- Huang, Y.**, see Yang, Q., *TVT March 2020 2967-2979*
- Huang, Y.**, see Guo, K., *TVT May 2020 5129-5141*
- Huang, Y.**, see Zhang, Z., *TVT June 2020 6264-6274*
- Huang, Y.**, see Wang, H., *TVT Aug. 2020 8164-8175*
- Huang, Y.**, see Li, G., *TVT Oct. 2020 11728-11742*
- Huang, Y.**, see Sui, Y., *TVT Nov. 2020 13383-13399*
- Huang, Y.**, see Huang, W., *TVT Dec. 2020 16264-16269*
- Huang, Y.**, and Chen, Y., Vehicle Lateral Stability Control Based on Shiftable Stability Regions and Dynamic Margins; *TVT Dec. 2020 14727-14738*
- Huang, Y.**, see Lin, Y., *TVT Dec. 2020 16027-16043*
- Huang, Y.**, see Zhao, B., *TVT Dec. 2020 14631-14644*
- Huang, Z.**, Zhang, R., Pan, J., Jiang, Y., and Zhai, D., A Framework of Multipath Clustering Based on Space-Transformed Fuzzy *c*-Means and Data Fusion for Radio Channel Modeling; *TVT Jan. 2020 4-15*
- Huang, Z.**, see Dong, F., *TVT Nov. 2020 12963-12973*
- Hui, N.B.**, see Pradhan, B., *TVT Feb. 2020 1319-1327*
- Hui, P.**, see Zhou, P., *TVT Oct. 2020 12187-12201*
- Hui, Y.**, see Li, J., *TVT March 2020 3267-3279*
- Hui, Y.**, Su, Z., Luan, T.H., Li, C., Mao, G., and Wu, W., A Game Theoretic Scheme for Collaborative Vehicular Task Offloading in 5G HetNets; *TVT Dec. 2020 16044-16056*
- Hung, H.**, see Lu, H., *TVT Nov. 2020 13319-13327*
- Huo, L.**, see Han, C., *TVT May 2020 5331-5342*
- Huo, Y.**, see Zhang, Y., *TVT Oct. 2020 11206-11219*
- Huo, Y.**, see Zhang, Y., *TVT Nov. 2020 12921-12937*
- Hussain, A.**, see Alsarhan, A., *TVT Feb. 2020 1568-1581*
- Hussain, F.**, Hussain, R., Anpalagan, A., and Benslimane, A., A New Block-Based Reinforcement Learning Approach for Distributed Resource Allocation in Clustered IoT Networks; *TVT March 2020 2891-2904*
- Hussain, M.**, Scalabrin, M., Rossi, M., and Michelusi, N., Mobility and Blockage-Aware Communications in Millimeter-Wave Vehicular Networks; *TVT Nov. 2020 13072-13086*
- Hussain, R.**, see Hussain, F., *TVT March 2020 2891-2904*
- Hussein, A.A.**, see Chehade, A.A., *TVT Sept. 2020 9542-9552*
- Huyh-The, T.**, see Tunze, G.B., *TVT Dec. 2020 15557-15568*
- Hwang, J.**, see Zhang, Y., *TVT Jan. 2020 151-162*
- Hwang, J.**, see Jiang, Z., *TVT Feb. 2020 2157-2170*
- Hwang, J.**, see Hwang, R., *TVT Oct. 2020 12072-12084*
- Hwang, R.**, see Nguyen, V., *TVT Sept. 2020 9417-9430*
- Hwang, R.**, Wang, C., Hwang, J., Lin, Y., and Chen, W., Optimizing Live Layered Video Multicasting Over LTE With Mobile Edge Computing; *TVT Oct. 2020 12072-12084*

- Hwang, S.**, Kim, H., Lee, H., and Lee, I., Multi-Agent Deep Reinforcement Learning for Distributed Resource Management in Wirelessly Powered Communication Networks; *TVT Nov. 2020 14055-14060*
- Hwang, S.**, Kim, S., Yoon, H., Kim, B., Choi, S., and Bahk, S., Beyond Vision: Hidden Car Detector With On-Demand Relaying in Vehicular Communications; *TVT Dec. 2020 15177-15187*
- Hwang, W.**, see Pham, Q., *TVT Feb. 2020 1982-1993*
- Hwang, W.**, see Pham, Q., *TVT April 2020 4285-4297*
- Hwu, J.**, see Ting, P., *TVT Aug. 2020 8257-8266*

I

- Iakuba, N.**, see Trofimiuk, G., *TVT Oct. 2020 10988-10999*
- Ibanez-Guzman, J.**, see Li, Y., *TVT Dec. 2020 14588-14601*
- Ibrahim, M.**, Hamouda, W., and Muhaidat, S., Spectral Efficiency of Multi-Hop Millimeter Wave Networks Using N^{th} Best Relay Routing Technique; *TVT Sept. 2020 9951-9959*
- Ide, T.**, see Kawakami, T., *TVT Dec. 2020 16168-16172*
- Iera, A.**, see Rinaldi, F., *TVT Feb. 2020 2058-2070*
- Ihalainen, T.**, see Talvitie, J., *TVT Dec. 2020 16235-16240*
- Ikki, S.S.**, see Alsmadi, M.M., *TVT June 2020 6793-6797*
- Ikki, S.S.**, see Ghaseminajm, F., *TVT July 2020 7971-7975*
- Illi, E.**, Bouanani, F.E., and Ayoub, F., On the Distribution of the Sum of Málaga- \mathcal{M} Random Variables and Applications; *TVT Nov. 2020 13996-14000*
- Im, C.**, Lee, J., and Lee, C., A Multi-Tone Amplitude Modulation Scheme for Wireless Information and Power Transfer; *TVT Jan. 2020 1147-1151*
- Im, S.**, see Back, J., *TVT Oct. 2020 10558-10568*
- Imran, A.**, see Farooq, H., *TVT March 2020 3370-3383*
- Imran, A.**, see Kachroo, A., *TVT May 2020 5102-5114*
- Imran, M.A.**, see Tan, M.C., *TVT March 2020 2659-2670*
- Inderka, R.B.**, see Forster, D., *TVT March 2020 2398-2410*
- Ioannidis, S.**, see Soltani, N., *TVT Dec. 2020 15518-15531*
- Iorio, M.**, Reineri, M., Risso, F., Sisto, R., and Valenza, F., Securing SOME/IP for In-Vehicle Service Protection; *TVT Nov. 2020 13450-13466*
- Ishigami, M.**, and Sugiyama, T., A Novel Drone's Height Control Algorithm for Throughput Optimization in Disaster Resilient Network; *TVT Dec. 2020 16188-16190*
- Ishihara, T.**, see Akiba, Y., *TVT Nov. 2020 13964-13969*
- Ishikawa, T.**, see Uno, M., *TVT Dec. 2020 14689-14700*
- Islam, M.**, Rahman, M., Chowdhury, M., Comert, G., Sood, E.D., and Apon, A., Vision-Based Personal Safety Messages (PSMs) Generation for Connected Vehicles; *TVT Sept. 2020 9402-9416*
- Ivanov, A.**, Bychkvo, R., and Teatorin, E., Spatial Resource Management in LEO Satellite; *TVT Dec. 2020 15623-15632*
- Ivanov, K.**, see Trofimiuk, G., *TVT Oct. 2020 10988-10999*
- Ivanovic, V.**, see Skugor, B., *TVT Jan. 2020 246-257*
- Ivashina, M.V.**, see Amani, N., *TVT June 2020 6500-6510*
- Jameel, F.**, see ElHalawany, B.M., *TVT Jan. 2020 1046-1050*
- Jameel, F.**, see Khan, W.U., *TVT Dec. 2020 15284-15297*
- Jang, J.**, and Yang, H.J., Deep Reinforcement Learning-Based Resource Allocation and Power Control in Small Cells With Limited Information Exchange; *TVT Nov. 2020 13768-13783*
- Jang, S.**, see Chang, S., *TVT June 2020 6359-6373*
- Jangsher, S.**, see Saleem, U., *TVT April 2020 4472-4486*
- Jansen, F.**, see Overdevest, J., *TVT Jan. 2020 16-25*
- Jantti, R.**, see Khan, W.U., *TVT Dec. 2020 15284-15297*
- Jaramillo, F.**, see Diaz, C., *TVT July 2020 7187-7200*
- Jassemuddin, M.**, see HajiAkhondi-Meybodi, Z., *TVT Sept. 2020 10188-10201*
- Javaid, A.Y.**, see Albehadili, A., *TVT Aug. 2020 8119-8131*
- Javan, M.R.**, see Abedi, M.R., *TVT Aug. 2020 8499-8513*
- Jayakody, D.N.K.**, Perera, T.D.P., Ghraayeb, A., and Hasna, M.O., Self-Energized UAV-Assisted Scheme for Cooperative Wireless Relay Networks; *TVT Jan. 2020 578-592*
- Jayakody, D.N.K.**, see Hassija, V., *TVT June 2020 5799-5812*
- Jee, J.**, Kwon, G., and Park, H., Precoding Design and Power Control for SINR Maximization of MISO System With Nonlinear Power Amplifiers; *TVT Nov. 2020 14019-14024*
- Jemaa, I.B.**, see Kamel, J., *TVT June 2020 6631-6643*
- Jeng, A.A.**, see Ting, P., *TVT Aug. 2020 8257-8266*
- Jensen, O.K.**, see Fan, W., *TVT Nov. 2020 13910-13915*
- Jeon, C.**, Li, Z., and Studer, C., Approximate Gram-Matrix Interpolation for Wideband Massive MU-MIMO Systems; *TVT May 2020 4677-4688*
- Jeon, S.**, see Song, Y., *TVT Sept. 2020 9882-9895*
- Jeong, K.**, Choi, S.B., and Choi, H., Sensor Fault Detection and Isolation Using a Support Vector Machine for Vehicle Suspension Systems; *TVT April 2020 3852-3863*
- Jeong, W.**, Han, S., Choi, E., Lee, S., and Choi, J., CNN-Based Adaptive Source Node Identifier for Controller Area Network (CAN); *TVT Nov. 2020 13916-13920*
- Jha, R.K.**, see Kour, H., *TVT Oct. 2020 11841-11856*
- Ji, B.**, Li, Y., Cao, D., Li, C., Mumtaz, S., and Wang, D., Secrecy Performance Analysis of UAV Assisted Relay Transmission for Cognitive Network With Energy Harvesting; *TVT July 2020 7404-7415*
- Ji, F.**, see Li, J., *TVT June 2020 6333-6347*
- Ji, F.**, see Han, R., *TVT Dec. 2020 16082-16094*
- Ji, H.**, see Guo, F., *TVT Aug. 2020 8514-8528*
- Ji, H.**, see Zhuang, Y., *TVT Dec. 2020 15216-15228*
- Ji, J.**, see Bian, F., *TVT March 2020 2588-2597*
- Ji, J.**, see Xu, L., *TVT July 2020 7104-7115*
- Ji, J.**, see Sun, Y., *TVT Sept. 2020 9601-9612*
- Ji, L.**, see Zhang, Q., *TVT March 2020 3280-3295*
- Ji, Y.**, Fan, W., Nilsson, M.G., Hentila, L., Karlsson, K., Tufvesson, F., and Pedersen, G.F., Virtual Drive Testing Over-the-Air for Vehicular Communications; *TVT Feb. 2020 1203-1213*
- Jia, F.**, see Zhang, C., *TVT Nov. 2020 13005-13017*
- Jia, K.**, see Ho, I.W., *TVT March 2020 3151-3165*
- Jia, L.**, see Xu, Y., *TVT Nov. 2020 13018-13032*
- Jia, S.**, see Han, Y., *TVT July 2020 7339-7353*
- Jia, S.**, see Han, Y., *TVT Oct. 2020 11811-11827*
- Jia, S.**, Zhang, J., Zhang, D., Hao, W., and Gao, F., Power Allocation and Outage Analysis for Secure MISO Cognitive Radio Networks With an Unknown Eavesdropper; *TVT Dec. 2020 16294-16298*
- Jia, W.**, see Qian, L., *TVT May 2020 5494-5507*
- Jia, W.**, see Tang, C., *TVT Sept. 2020 9364-9375*
- Jia, Y.**, Jibrin, R., and Gorges, D., Energy-Optimal Adaptive Cruise Control for Electric Vehicles Based on Linear and Nonlinear Model Predictive Control; *TVT Dec. 2020 14173-14187*
- Jia, Z.**, see Zhang, L., *TVT Oct. 2020 11445-11457*
- Jian, X.**, see Fu, S., *TVT April 2020 4367-4378*
- Jian, X.**, see Li, P., *TVT July 2020 7998-8002*
- Jian, Y.**, see Gu, Q., *TVT Sept. 2020 10348-10361*
- Jiang, B.**, see Chen, H., *TVT Feb. 2020 1309-1318*
- Jiang, C.**, see Zhang, H., *TVT Feb. 2020 1766-1776*
- Jiang, C.**, see Yao, H., *TVT June 2020 6718-6730*

J

- J. Darwish, T.S.**, Bakar, K.A., Kaiwartya, O., and Lloret, J., TRADING: Traffic Aware Data Offloading for Big Data Enabled Intelligent Transportation System; *TVT July 2020 6869-6879*
- J. Gross, W.**, see Zhou, H., *TVT June 2020 6777-6781*
- Jafari, H.**, Miari-Naimi, H., and Kazemitarab, J., Bit Error Probability of MQAM in the Presence of Phase Noise; *TVT Dec. 2020 14918-14931*
- Jain, S.**, Mitra, R., and Bhatia, V., Kernel MSER-DFE Based Post-Distorter for VLC Using Random Fourier Features; *TVT Dec. 2020 16241-16246*
- Jamalipour, A.**, see Abkenar, F.S., *TVT May 2020 5718-5722*
- Jamalipour, A.**, see Lin, P., *TVT May 2020 5508-5520*
- Jamalipour, A.**, see Ramezani, P., *TVT July 2020 8013-8017*
- Jamalipour, A.**, see Alam, M.Z., *TVT July 2020 7908-7915*
- Jamalipour, A.**, see Qi, W., *TVT July 2020 7723-7734*
- Jamalipour, A.**, see Alam, M.Z., *TVT Sept. 2020 9356-9363*
- Jamalipour, A.**, see Yuan, C., *TVT Sept. 2020 10019-10032*
- Jamalipour, A.**, see Saki, M., *TVT Oct. 2020 11937-11949*
- Jamalipour, A.**, see Fang, Z., *TVT Dec. 2020 15314-15324*

- Jiang, F.**, see Li, X., *TVT Sept. 2020* 9921-9937
- Jiang, H.**, see Zou, Q., *TVT Jan. 2020* 41-54
- Jiang, H.**, see Li, G., *TVT June 2020* 6511-6524
- Jiang, H.**, see Zeng, F., *TVT July 2020* 7634-7647
- Jiang, H.**, see Gu, Q., *TVT Sept. 2020* 10348-10361
- Jiang, H.**, see Li, G., *TVT Oct. 2020* 11728-11742
- Jiang, H.**, see Xiao, Z., *TVT Dec. 2020* 14537-14549
- Jiang, J.**, see Wei, S., *TVT March 2020* 2449-2462
- Jiang, J.**, Zhu, X., Han, G., Guizani, M., and Shu, L., A Dynamic Trust Evaluation and Update Mechanism Based on C4.5 Decision Tree in Underwater Wireless Sensor Networks; *TVT Aug. 2020* 9031-9040
- Jiang, J.**, see Zhang, Y., *TVT Oct. 2020* 11599-11611
- Jiang, J.**, see Cong, X., *TVT Nov. 2020* 12775-12785
- Jiang, K.**, Liu, Z., Yang, P., Xiao, Y., and Li, S., An Experimental Investigation of Enhanced SM-OFDM Over Indoor Rician Multipath Channels; *TVT Feb. 2020* 2291-2295
- Jiang, L.**, Xie, S., Maharjan, S., and Zhang, Y., Joint Transaction Relaying and Block Verification Optimization for Blockchain Empowered D2D Communication; *TVT Jan. 2020* 828-841
- Jiang, L.**, see Li, M., *TVT June 2020* 6242-6253
- Jiang, L.**, see Fan, B., *TVT Nov. 2020* 13328-13340
- Jiang, L.**, Chen, B., Xie, S., Maharjan, S., and Zhang, Y., Incentivizing Resource Cooperation for Blockchain Empowered Wireless Power Transfer in UAV Networks; *TVT Dec. 2020* 15828-15841
- Jiang, N.**, see Huang, S., *TVT July 2020* 7483-7492
- Jiang, Q.**, Zhang, N., Ni, J., Ma, J., Ma, X., and Choo, K.R., Unified Biometric Privacy Preserving Three-Factor Authentication and Key Agreement for Cloud-Assisted Autonomous Vehicles; *TVT Sept. 2020* 9390-9401
- Jiang, R.**, see Yao, J., *TVT Feb. 2020* 1841-1854
- Jiang, R.**, Xiong, K., Fan, P., Zhong, Z., and Letaief, K.B., Information-Energy Region for SWIPT Networks in Mobility Scenarios; *TVT July 2020* 7264-7280
- Jiang, S.**, Liu, J., Wang, L., Zhou, Y., and Fang, Y., ESAC: An Efficient and Secure Access Control Scheme in Vehicular Named Data Networking; *TVT Sept. 2020* 10252-10263
- Jiang, T.**, see He, S., *TVT Jan. 2020* 488-496
- Jiang, T.**, Zhang, J., Shafi, M., Tian, L., and Tang, P., The Comparative Study of S-V Model Between 3.5 and 28 GHz in Indoor and Outdoor Scenarios; *TVT March 2020* 2351-2364
- Jiang, T.**, see Li, W., *TVT April 2020* 3550-3561
- Jiang, T.**, see Liu, W., *TVT Nov. 2020* 13556-13566
- Jiang, T.**, see Sun, J., *TVT Dec. 2020* 14141-14149
- Jiang, W.**, Li, H., Liu, S., Luo, X., and Lu, R., Poisoning and Evasion Attacks Against Deep Learning Algorithms in Autonomous Vehicles; *TVT April 2020* 4439-4449
- Jiang, W.**, Liu, Y., Cai, B., Rizos, C., Wang, J., and Jiang, Y., A New Train Integrity Resolution Method Based on Online Carrier Phase Relative Positioning; *TVT Oct. 2020* 10519-10530
- Jiang, X.**, see Li, J., *TVT Jan. 2020* 1106-1110
- Jiang, Y.**, see Huang, Z., *TVT Jan. 2020* 4-15
- Jiang, Y.**, Wang, L., and Chen, H., Covert Communications in D2D Underlying Cellular Networks With Antenna Array Assisted Artificial Noise Transmission; *TVT March 2020* 2980-2992
- Jiang, Y.**, Zou, Y., Guo, H., Zhu, J., and Gu, J., Power Allocation for Intelligent Interference Exploitation Aided Physical-Layer Security in OFDM-Based Heterogeneous Cellular Networks; *TVT March 2020* 3021-3033
- Jiang, Y.**, Peng, A., Wan, C., Cui, Y., You, X., Zheng, F., and Jin, S., Analysis and Optimization of Cache-Enabled Fog Radio Access Networks: Successful Transmission Probability, Fractional Offloaded Traffic and Delay; *TVT May 2020* 5219-5231
- Jiang, Y.**, see Liu, Z., *TVT Sept. 2020* 9469-9482
- Jiang, Y.**, see Jiang, W., *TVT Oct. 2020* 10519-10530
- Jiang, Y.**, see Wang, T., *TVT Nov. 2020* 14093-14098
- Jiang, Y.**, see Cong, X., *TVT Nov. 2020* 12775-12785
- Jiang, Y.**, see Zhang, L., *TVT Dec. 2020* 16163-16167
- Jiang, Z.**, Zhang, X., Huang, W., Chen, H., Xu, Y., Hwang, J., Ma, Z., and Sun, J., A Hierarchical Buffer Management Approach to Rate Adaptation for 360-Degree Video Streaming; *TVT Feb. 2020* 2157-2170
- Jiang, Z.**, Shen, X., and Wang, H., Capacity of Uplink Partial Overlapping Non-Orthogonal Multiple Access for Underwater Acoustic Networks; *TVT Dec. 2020* 14290-14303
- Jiao, L.**, see Chen, Y., *TVT July 2020* 7847-7862
- Jiao, L.**, see Ju, H., *TVT Dec. 2020* 15325-15334
- Jiao, Y.**, Wang, P., Niyato, D., Lin, B., and Kim, D.I., Mechanism Design for Wireless Powered Spatial Crowdsourcing Networks; *TVT Jan. 2020* 920-934
- Jibrin, R.**, see Jia, Y., *TVT Dec. 2020* 14173-14187
- Jin, B.**, see Zhu, Y., *TVT Aug. 2020* 8317-8328
- Jin, D.**, see Wang, H., *TVT Sept. 2020* 10155-10166
- Jin, G.**, see Yu, X., *TVT Jan. 2020* 90-100
- Jin, H.**, see Seo, J., *TVT April 2020* 4522-4526
- Jin, H.**, see Huang, J., *TVT June 2020* 6739-6754
- Jin, H.**, see Yang, W., *TVT June 2020* 5749-5759
- Jin, J.**, see Zhang, C., *TVT May 2020* 4663-4676
- Jin, J.**, Chen, J., Benesty, J., Wang, Y., and Huang, G., Heterophasic Binaural Differential Beamforming for Speech Intelligibility Improvement; *TVT Nov. 2020* 13497-13509
- Jin, J.**, see Xia, Y., *TVT Nov. 2020* 12664-12678
- Jin, M.**, see Si, Q., *TVT May 2020* 5683-5687
- Jin, M.**, see Cao, Y., *TVT July 2020* 8008-8012
- Jin, M.**, see Wang, X., *TVT Nov. 2020* 13216-13228
- Jin, S.**, see Zhang, C., *TVT Feb. 2020* 1245-1256
- Jin, S.**, see Yang, J., *TVT March 2020* 2700-2715
- Jin, S.**, see Li, X., *TVT March 2020* 3105-3118
- Jin, S.**, see Jiang, Y., *TVT May 2020* 5219-5231
- Jin, S.**, see Wen, W., *TVT July 2020* 7879-7894
- Jin, S.**, see Liu, H., *TVT Aug. 2020* 9180-9184
- Jin, S.**, see Xu, J., *TVT Aug. 2020* 8670-8683
- Jin, S.**, see Yang, L., *TVT Sept. 2020* 10140-10154
- Jin, S.**, see Zhang, C., *TVT Oct. 2020* 11828-11840
- Jin, S.**, see Yang, X., *TVT Dec. 2020* 15229-15243
- Jin, T.**, see Wang, X., *TVT June 2020* 6452-6462
- Jin, X.**, see Dai, Z., *TVT Oct. 2020* 12031-12042
- Jin, Z.**, see Li, Y., *TVT Dec. 2020* 15800-15814
- Jing, H.**, Wang, J., Fang, Z., and Xie, L., LLC Resonant Converter With Damping Split Inductor Improving Light-Load Regulation Ability; *TVT Feb. 2020* 1428-1439
- Jing, L.**, He, C., Wang, H., Zhang, Q., and Yin, H., A New IDMA System Based on CSK Modulation for Multiuser Underwater Acoustic Communications; *TVT March 2020* 3080-3092
- Jing, W.**, see Liu, L., *TVT Oct. 2020* 12085-12097
- Jing, Y.**, see Ding, Q., *TVT July 2020* 7389-7403
- Jo, H.J.**, Kim, J.H., Choi, H., Choi, W., Lee, D.H., and Lee, I., MAAuth-CAN: Masquerade-Attack-Proof Authentication for In-Vehicle Networks; *TVT Feb. 2020* 2204-2218
- Jo, M.**, see Zhang, J., *TVT Oct. 2020* 11152-11168
- Jofre, L.**, see Pfadler, A., *TVT May 2020* 4652-4662
- Johannsen, U.**, see Amani, N., *TVT June 2020* 6500-6510
- Johnston, M.**, see Abdullah, Z., *TVT March 2020* 2993-3007
- Jolovic, D.**, see Sohn, C., *TVT July 2020* 7223-7233
- Jonasson, M.**, Rogenfelt, A., Lanfelt, C., Fredriksson, J., and Hassel, M., Inertial Navigation and Position Uncertainty During a Blind Safe Stop of an Autonomous Vehicle; *TVT May 2020* 4788-4802
- Jornet, J.M.**, see Petrov, V., *TVT June 2020* 6822-6827
- Joseph, W.**, see Yusuf, M., *TVT Nov. 2020* 12396-12407
- Joshi, S.**, see Dash, S.P., *TVT Jan. 2020* 1051-1054
- Joung, J.**, see Fan, J., *TVT Jan. 2020* 1111-1116
- Joung, J.**, see Zhao, J., *TVT Jan. 2020* 1141-1146
- Joung, J.**, Choi, J., and Jung, B.C., Double Space-Time Line Codes; *TVT Feb. 2020* 2316-2321
- Joung, J.**, see Seo, J., *TVT April 2020* 4522-4526

- Ju, H.**, Long, Y., Fang, X., He, R., and Jiao, L., Systematic Beam Management in mmWave Networks: Tradeoff Among Beam Coverage, Link Budget, and Interference Control; *TVT Dec. 2020 15325-15334*
- Ju, Z.**, Zhang, H., and Tan, Y., Distributed Deception Attack Detection in Platoon-Based Connected Vehicle Systems; *TVT May 2020 4609-4620*
- Juhana, T.**, see Liu, H., *TVT Feb. 2020 2286-2290*
- Jung, B.C.**, see Kim, T., *TVT Jan. 2020 1152-1156*
- Jung, B.C.**, see Joung, J., *TVT Feb. 2020 2316-2321*
- Jung, B.C.**, see Seo, J., *TVT April 2020 4522-4526*
- Jung, H.**, Nguyen, B.V., Song, I., and Kim, K., Design of Anti-Jamming Waveforms for Time-Hopping Spread Spectrum Systems in Tone Jamming Environments; *TVT Jan. 2020 728-737*
- Jung, H.**, see Akhtar, M.W., *TVT Oct. 2020 11712-11727*
- Jung, S.**, Choi, S.B., Kim, J., Ko, Y., and Lee, H., Adaptive Feed-Forward Control of the Clutch Filling Phase for Wet Dual Clutch Transmission; *TVT Sept. 2020 9577-9588*
- Jung, S.**, see Fan, M., *TVT Dec. 2020 15335-15345*
- Juntti, M.**, see Lyons, O., *TVT July 2020 8023-8027*

K

- Kaafar, M.A.**, see Yang, Q., *TVT July 2020 6987-6999*
- Kabalan, B.**, Vinot, E., Trigui, R., and Dumand, C., Systematic Methodology for Architecture Generation and Design Optimization of Hybrid Powertrains; *TVT Dec. 2020 14846-14857*
- Kabir, M.E.**, Assi, C., Alameddine, H., Antoun, J., and Yan, J., Demand-Aware Provisioning of Electric Vehicles Fast Charging Infrastructure; *TVT July 2020 6952-6963*
- Kabir, M.T.**, and Masouros, C., Delay-Constrained Beamforming and Resource Allocation in Full Duplex Systems; *TVT March 2020 3476-3480*
- Kachroo, A.**, Ekin, S., and Imran, A., Statistical Modelling of Dynamic Interference Threshold and Its Effect on Network Capacity; *TVT May 2020 5102-5114*
- Kaddoum, G.**, see Selim, B., *TVT March 2020 3454-3458*
- Kaddoum, G.**, see Hassija, V., *TVT June 2020 5799-5812*
- Kaddoum, G.**, see Eshteiwi, K., *TVT July 2020 7503-7517*
- Kageyama, T.**, Muta, O., and Gacanin, H., Performance Analysis of OFDM With Peak Cancellation Under EVM and ACLR Restrictions; *TVT June 2020 6230-6241*
- Kaiser, A.**, see Kamel, J., *TVT June 2020 6631-6643*
- Kaiser, T.**, see El-Absi, M., *TVT July 2020 7751-7761*
- Kaiwartya, O.**, see J. Darwish, T.S., *TVT July 2020 6869-6879*
- Kako, J.**, see Zhang, J., *TVT Jan. 2020 182-193*
- Kalbkhani, H.**, see Sobhi-Givi, S., *TVT Sept. 2020 9866-9881*
- Kalyani, S.**, see Srinivasan, M., *TVT Jan. 2020 738-745*
- Kamal, S.**, see Kumar, A., *TVT Aug. 2020 8290-8304*
- Kamel, J.**, Ansari, M.R., Petit, J., Kaiser, A., Jemaa, I.B., and Urien, P., Simulation Framework for Misbehavior Detection in Vehicular Networks; *TVT June 2020 6631-6643*
- Kamel, M.**, Hamouda, W., and Youssef, A., Uplink Coverage and Capacity Analysis of mMTC in Ultra-Dense Networks; *TVT Jan. 2020 746-759*
- Kamran, D.**, see Nazempour, A., *TVT April 2020 3841-3851*
- Kanatas, A.G.**, see Michailidis, E.T., *TVT Feb. 2020 1190-1202*
- Kandidayeni, M.**, see Macias Fernandez, A., *TVT Jan. 2020 220-234*
- Kandidayeni, M.**, see Amamou, A., *TVT Dec. 2020 14160-14172*
- Kandidayeni, M.**, see Khalatbarisoltani, A., *TVT Dec. 2020 14563-14574*
- Kanesan, J.**, see Soon, F.C., *TVT Aug. 2020 8267-8277*
- Kang, J.**, see Gong, J., *TVT Feb. 2020 2332-2336*
- Kang, J.**, see Yun, S., *TVT March 2020 3465-3469*
- Kang, J.**, see Chun, C., *TVT May 2020 5151-5163*
- Kang, W.**, Che, H., and Zhu, K., Precoding Optimization for Faster-Than-Nyquist Signaling With Probabilistic Shaping; *TVT Oct. 2020 11470-11478*
- Kang, Y.**, Seo, H., and Choi, W., When to Realign the Receive Beam in High Mobility V2X Communications?; *TVT Nov. 2020 13180-13195*
- Kangasharju, J.**, see Zhou, P., *TVT Oct. 2020 12187-12201*
- Kapania, N.R.**, and Gerdes, J.C., Learning at the Racetrack: Data-Driven Methods to Improve Racing Performance Over Multiple Laps; *TVT Aug. 2020 8232-8242*
- Kara, F.**, and Kaya, H., Error Probability Analysis of NOMA-Based Diamond Relaying Network; *TVT Feb. 2020 2280-2285*
- Karagiannidis, G.K.**, see Xia, J., *TVT April 2020 4492-4497*
- Karagiannidis, G.K.**, see Ren, J., *TVT June 2020 6485-6499*
- Karagiannidis, G.K.**, see Nomikos, N., *TVT Aug. 2020 9157-9162*
- Karagiannidis, G.K.**, see Petkovic, M.I., *TVT Oct. 2020 11099-11111*
- Karandikar, A.**, see Yadav, I., *TVT Dec. 2020 15964-15977*
- Karasawa, Y.**, Channel Capacity of Massive MIMO With Selected Multi-Stream Transmission in Spatially Correlated Fading Environments; *TVT May 2020 5320-5330*
- Karat, N.S.**, see Pachat, J., *TVT Oct. 2020 11926-11936*
- Karbalayghareh, M.**, Miramirkhani, F., Eldeeb, H.B., Kizilirmak, R.C., Sait, S.M., and Uysal, M., Channel Modelling and Performance Limits of Vehicular Visible Light Communication Systems; *TVT July 2020 6891-6901*
- Karimi, A.**, Pedersen, K.I., Mahmood, N.H., Berardinelli, G., and Mogensen, P., On the Multiplexing of Data and Metadata for Ultra-Reliable Low-Latency Communications in 5G; *TVT Oct. 2020 12136-12147*
- Karimian, M.**, see Nazempour, A., *TVT April 2020 3841-3851*
- Karlsson, K.**, see Ji, Y., *TVT Feb. 2020 1203-1213*
- Karlsson, P.C.**, see Bengtsson, E.L., *TVT Jan. 2020 418-427*
- Karray, F.**, see Ou, C., *TVT Feb. 2020 1328-1340*
- Karttunen, A.**, see Solomitskii, D., *TVT Feb. 2020 1227-1236*
- Kato, N.**, Editorial; *TVT Feb. 2020 1176*
- Kawakami, T.**, Ide, T., Moriyama, E., Hoki, K., and Muramatsu, M., Development of Artificial Intelligence to Classify Quality of Transmission Shift Control Using Deep Convolutional Neural Networks; *TVT Dec. 2020 16168-16172*
- Kaya, H.**, see Kara, F., *TVT Feb. 2020 2280-2285*
- Kazemi, M.**, Mohammadi, A., and Duman, T.M., Analysis of DF Relay Selection in Massive MIMO Systems With Hardware Impairments; *TVT June 2020 6141-6152*
- Kazemitabar, J.**, see Jafari, H., *TVT Dec. 2020 14918-14931*
- Kazimierzczuk, M.K.**, see Deng, Q., *TVT Oct. 2020 10889-10898*
- Ke, F.**, see Zhang, G., *TVT Oct. 2020 12015-12030*
- Ke, H.**, Wang, J., Deng, L., Ge, Y., and Wang, H., Deep Reinforcement Learning-Based Adaptive Computation Offloading for MEC in Heterogeneous Vehicular Networks; *TVT July 2020 7916-7929*
- Ke, M.**, see Zhu, B., *TVT Oct. 2020 10842-10853*
- Kelouwani, S.**, see Amamou, A., *TVT Dec. 2020 14160-14172*
- Khairy, S.**, see Han, M., *TVT Aug. 2020 8764-8776*
- Khajepour, A.**, see Huang, Y., *TVT Jan. 2020 55-66*
- Khajepour, A.**, see Zhang, Y., *TVT April 2020 3748-3759*
- Khajepour, A.**, see Wang, H., *TVT Aug. 2020 8164-8175*
- Khajepour, A.**, see Tang, C., *TVT Oct. 2020 10879-10888*
- Khajepour, A.**, see Korayem, A.H., *TVT Nov. 2020 12536-12546*
- Khalatbarisoltani, A.**, Kandidayeni, M., Boulon, L., and Hu, X., Power Allocation Strategy Based on Decentralized Convex Optimization in Modular Fuel Cell Systems for Vehicular Applications; *TVT Dec. 2020 14563-14574*
- Khalili, A.**, see Mili, M.R., *TVT Sept. 2020 9750-9766*
- Khalilian, M.**, see Cirimele, V., *TVT March 2020 2501-2512*
- Khan, A.A.**, see Uthansakul, P., *TVT Jan. 2020 887-900*
- Khan, F.A.**, see Riaz, S., *TVT Dec. 2020 16207-16212*
- Khan, H.**, Samarakoon, S., and Bennis, M., Enhancing Video Streaming in Vehicular Networks via Resource Slicing; *TVT April 2020 3513-3522*
- Khan, K.S.**, see Alam, M.Z., *TVT July 2020 7908-7915*
- Khan, S.**, see Rahim, M.A., *TVT Jan. 2020 163-171*
- Khan, W.U.**, Liu, J., Jameel, F., Sharma, V., Jantti, R., and Han, Z., Spectral Efficiency Optimization for Next Generation NOMA-Enabled IoT Networks; *TVT Dec. 2020 15284-15297*
- Kharel, R.**, see Pandey, A., *TVT Dec. 2020 15095-15112*
- Khaw, H.Y.**, see Soon, F.C., *TVT Aug. 2020 8267-8277*
- Khayamy, M.**, Nasiri, A., and Okoye, O., Development of an Equivalent Circuit for Batteries Based on a Distributed Impedance Network; *TVT June 2020 6119-6128*

- Khkrel, R.**, see Zhang, Y., *TVT Nov. 2020 13482-13496*
- Khodayar, M.E.**, see Manshadi, S.D., *TVT Dec. 2020 14780-14792*
- Khonsari, A.**, see Moradian, M., *TVT Dec. 2020 15682-15693*
- Khorrarnizadeh, M.**, see Zamani, M.R., *TVT Oct. 2020 11112-11127*
- Khoshafa, M.H.**, Ngatched, T.M.N., and Ahmed, M.H., On the Physical Layer Security of Underlay Relay-Aided Device-to-Device Communications; *TVT July 2020 7609-7621*
- Khoukhi, L.**, see Liu, D., *TVT April 2020 4155-4168*
- Kilani, Y.**, see Alsarhan, A., *TVT Feb. 2020 1568-1581*
- Kildal, M.S.**, Mansouri Moghaddam, S., Razavi, A., Carlsson, J., Yang, J., and Alayon Glazunov, A., Verification of the Random Line-of-Sight Measurement Setup at 1.5-3 GHz Including MIMO Throughput Measurements of a Complete Vehicle; *TVT Nov. 2020 13165-13179*
- Kim, B.**, see Chen, D., *TVT May 2020 5634-5646*
- Kim, B.**, see Nakamura, A., *TVT Sept. 2020 9253-9264*
- Kim, B.**, see Hwang, S., *TVT Dec. 2020 15177-15187*
- Kim, C.**, see Kim, J., *TVT Sept. 2020 9445-9458*
- Kim, D.**, Kim, J., and Choi, S.B., Design and Modeling of Energy Efficient Dual Clutch Transmission With Ball-Ramp Self-Energizing Mechanism; *TVT March 2020 2525-2536*
- Kim, D.**, see Deng, Y., *TVT July 2020 7295-7305*
- Kim, D.**, see Tunze, G.B., *TVT Dec. 2020 15557-15568*
- Kim, D.I.**, see Jiao, Y., *TVT Jan. 2020 920-934*
- Kim, E.**, Lee, Y., and Lee, H., An Applicable Repeated Transmission for Low Latency and Reliable Services; *TVT Aug. 2020 8468-8482*
- Kim, E.**, Lee, Y., and Lee, H., Latency-Based Transmission Point Selection Algorithms in Wireless Networks; *TVT Nov. 2020 14072-14077*
- Kim, H.**, Park, J., Bennis, M., Kim, S., and Debbah, M., Mean-Field Game Theoretic Edge Caching in Ultra-Dense Networks; *TVT Jan. 2020 935-947*
- Kim, H.**, see Park, G., *TVT April 2020 3668-3679*
- Kim, H.**, see Hwang, S., *TVT Nov. 2020 14055-14060*
- Kim, I.**, see Yun, S., *TVT March 2020 3465-3469*
- Kim, J.**, see Kim, D., *TVT March 2020 2525-2536*
- Kim, J.**, Lee, E.A., Kim, C., Chong, Y., and Cho, J.H., An Efficient Calibration of MIMO Channel Sounders With Internal Crosstalk; *TVT Sept. 2020 9445-9458*
- Kim, J.**, see Jung, S., *TVT Sept. 2020 9577-9588*
- Kim, J.**, see Hong, D., *TVT Dec. 2020 14803-14817*
- Kim, J.H.**, see Jo, H.J., *TVT Feb. 2020 2204-2218*
- Kim, K.**, see Jung, H., *TVT Jan. 2020 728-737*
- Kim, K.**, see Nguyen, M.N.H., *TVT May 2020 5618-5633*
- Kim, K.**, see Le, T.H.T., *TVT Dec. 2020 15162-15176*
- Kim, M.**, see Choi, S., *TVT May 2020 4957-4967*
- Kim, M.**, see Chang, S., *TVT June 2020 6359-6373*
- Kim, S.**, see Kim, H., *TVT Jan. 2020 935-947*
- Kim, S.**, see Dao, H.T., *TVT Oct. 2020 10965-10974*
- Kim, S.**, and Ahn, C.K., Variable-Performance Servo System Design Without Actuator Current and Angle Measurement for Rover Vehicles; *TVT Nov. 2020 12725-12733*
- Kim, S.**, see Hwang, S., *TVT Dec. 2020 15177-15187*
- Kim, T.**, Jung, B.C., and Sung, D.K., An Enhanced Random Access With Distributed Pilot Orthogonalization for Cellular IoT Networks; *TVT Jan. 2020 1152-1156*
- Kim, T.**, see Zhang, W., *TVT May 2020 5355-5368*
- Kim, T.**, and Qiao, D., Energy-Efficient Data Collection for IoT Networks via Cooperative Multi-Hop UAV Networks; *TVT Nov. 2020 13796-13811*
- Kim, T.**, see Dong, M., *TVT Nov. 2020 14013-14018*
- Kim, W.**, Bandari, S.K., and Shim, B., Enhanced Sparse Vector Coding for Ultra-Reliable and Low Latency Communications; *TVT May 2020 5698-5702*
- Kim, W.**, see Wu, J., *TVT Aug. 2020 9117-9120*
- Kim, Y.**, and Yang, H.J., Sum-Rate Maximization of Multicell MISO Networks With Limited Information Exchange; *TVT July 2020 7247-7263*
- Kim, Y.**, see Wang, J., *TVT July 2020 7211-7222*
- Kim, Y.**, see Chen, D., *TVT Dec. 2020 14377-14390*
- Kim, Y.H.**, see Lee, C., *TVT April 2020 4563-4568*
- Kim, Y.S.**, see Han, D., *TVT May 2020 4947-4956*
- Kimura, T.**, see Hiraguri, T., *TVT March 2020 2905-2914*
- Kirtley, J.L.**, see Mei, J., *TVT Jan. 2020 293-301*
- Kirtley, J.L.**, see Mei, J., *TVT Nov. 2020 12822-12831*
- Kizilirmak, R.C.**, see Karbalayghareh, M., *TVT July 2020 6891-6901*
- Klein, A.**, see Mousavi, M., *TVT May 2020 5521-5534*
- Ko, S.**, see Fan, M., *TVT Dec. 2020 15335-15345*
- Ko, Y.**, see Lee, J., *TVT Aug. 2020 8753-8763*
- Ko, Y.**, see Jung, S., *TVT Sept. 2020 9577-9588*
- Kobayashi, R.T.**, and Abrao, T., Closed-Form Bit Error Probabilities for FBMC Systems; *TVT Feb. 2020 1237-1244*
- Kobeissi, A.**, see Cirimele, V., *TVT March 2020 2501-2512*
- Koivisto, M.**, see Talvitie, J., *TVT Dec. 2020 16235-16240*
- Koivisto, M.**, see Rastorgueva-Foi, E., *TVT Dec. 2020 15842-15856*
- Kokkinen, H.**, see Milheiro, J., *TVT Dec. 2020 15127-15136*
- Kolake, S.M.**, see Verma, M.K.S., *TVT March 2020 2563-2575*
- Kong, J.**, Dagefu, F.T., and Sadler, B.M., Distributed Beamforming in the Presence of Adversaries; *TVT Sept. 2020 9682-9696*
- Kong, L.**, see Yu, X., *TVT Jan. 2020 522-536*
- Kong, L.**, see Yi, W., *TVT April 2020 4104-4118*
- Kong, L.**, see Sun, Z., *TVT June 2020 6525-6540*
- Kong, L.**, see Shi, Q., *TVT Sept. 2020 10009-10018*
- Kong, L.**, see Yang, J., *TVT Sept. 2020 9781-9794*
- Korakis, T.**, see Passas, V., *TVT Oct. 2020 12111-12123*
- Korayem, A.H.**, Khajepour, A., and Fidan, B., Trailer Mass Estimation Using System Model-Based and Machine Learning Approaches; *TVT Nov. 2020 12536-12546*
- Kordic, M.**, see Bilgin, B., *TVT July 2020 7172-7186*
- Kose, S.**, see Pekoz, B., *TVT Jan. 2020 676-684*
- Kose, S.**, see Pekoz, B., *TVT Feb. 2020 1888-1902*
- Kou, L.**, Qin, Y., Zhao, X., and Chen, X., A Multi-Dimension End-to-End CNN Model for Rotating Devices Fault Diagnosis on High-Speed Train Bogie; *TVT March 2020 2513-2524*
- Koucheryavy, Y.**, see Solomitchii, D., *TVT Feb. 2020 1227-1236*
- Koucheryavy, Y.**, see Petrov, V., *TVT June 2020 6822-6827*
- Koucheryavy, Y.**, see Tafintsev, N., *TVT Sept. 2020 10070-10084*
- Kour, H.**, and Jha, R.K., Electromagnetic Radiation Reduction in 5G Networks and Beyond Using Thermal Radiation Mode; *TVT Oct. 2020 11841-11856*
- Kourtessis, P.**, see Papazafeiropoulos, A., *TVT April 2020 3523-3537*
- Krikidis, I.**, see Xu, P., *TVT April 2020 4548-4552*
- Krikidis, I.**, see Zhang, J., *TVT Dec. 2020 16178-16182*
- Krishna, D.N.G.**, see Hassija, V., *TVT May 2020 5391-5402*
- Krishna, D.N.G.**, see Hassija, V., *TVT June 2020 5799-5812*
- Krishnan, P.**, see Uppalapati, A., *TVT Dec. 2020 15244-15252*
- Krueger, H.**, and Cruden, A., Multi-Layer Event-Based Vehicle-to-Grid (V2G) Scheduling With Short Term Predictive Capability Within a Modular Aggregator Control Structure; *TVT May 2020 4727-4739*
- Krzymien, W.A.**, see Soleimani, M., *TVT Oct. 2020 11646-11658*
- Ku, W.**, see Ting, P., *TVT Aug. 2020 8257-8266*
- Ku, Y.**, Chiang, P., and Dey, S., Real-Time QoS Optimization for Vehicular Edge Computing With Off-Grid Roadside Units; *TVT Oct. 2020 11975-11991*
- Kuang, D.**, see Xu, C., *TVT Nov. 2020 12621-12634*
- Kuang, Q.**, Gong, J., Chen, X., and Ma, X., Analysis on Computation-Intensive Status Update in Mobile Edge Computing; *TVT April 2020 4353-4366*
- Kuang, Z.**, Zhang, L., and Zhao, L., Energy- and Spectral-Efficiency Tradeoff With α -Fairness in Energy Harvesting D2D Communication; *TVT Sept. 2020 9972-9983*
- Kucur, O.**, see Toka, M., *TVT Sept. 2020 9697-9706*
- Kukkala, V.K.**, Pasricha, S., and Bradley, T., SEDAN: Security-Aware Design of Time-Critical Automotive Networks; *TVT Aug. 2020 9017-9030*
- Kulkarni, A.**, Seetharam, A., Ramesh, A., and Herath, J.D., DeepChannel: Wireless Channel Quality Prediction Using Deep Learning; *TVT Jan. 2020 443-456*
- Kulkarni, A.A.**, see Yadav, I., *TVT Dec. 2020 15964-15977*
- Kumar, A.**, and Singh, A.K., A Novel Multipath Mitigation Technique for GNSS Signals in Urban Scenarios; *TVT March 2020 2649-2658*

- Kumar, A.**, Wang, Y., Pan, X., Kamal, S., Xiong, X., Zhang, R.H., and Bao, D., A High Voltage Gain DC–DC Converter With Common Grounding for Fuel Cell Vehicle; *TVT Aug. 2020* 8290-8304
- Kumar, G.**, Saha, R., Rai, M.K., Buchanan, W.J., Thomas, R., Geetha, G., Hoon-Kim, T., and Rodrigues, J.J.P.C., A Privacy-Preserving Secure Framework for Electric Vehicles in IoT Using Matching Market and Signcryption; *TVT July 2020* 7707-7722
- Kumar, G.V.**, Chuang, C., Lu, M., and Liaw, C., Development of an Electric Vehicle Synchronous Reluctance Motor Drive; *TVT May 2020* 5012-5024
- Kumar, N.**, see Shen, J., *TVT Jan. 2020* 807-817
- Kumar, N.**, see Pham, Q., *TVT April 2020* 4285-4297
- Kumar, N.**, see Sutrala, A.K., *TVT May 2020* 5535-5548
- Kumar, N.**, see Aujla, G.S., *TVT June 2020* 5850-5863
- Kumar, N.**, see Singya, P.K., *TVT July 2020* 7366-7378
- Kumar, N.**, see Budhiraja, I., *TVT July 2020* 7790-7805
- Kumar, N.**, see Bansal, G., *TVT July 2020* 7234-7246
- Kumar, N.**, see Li, X., *TVT Aug. 2020* 8820-8831
- Kumar, N.**, see Bera, B., *TVT Aug. 2020* 9097-9111
- Kumar, N.**, see Chaudhary, R., *TVT Aug. 2020* 8985-9001
- Kumar, N.**, see Chamola, V., *TVT Oct. 2020* 10569-10580
- Kumar, N.**, see Shukla, A., *TVT Nov. 2020* 12510-12520
- Kumar, N.**, see Zhang, P., *TVT Dec. 2020* 15774-15785
- Kumar, R.**, see Lamba, A.K., *TVT Oct. 2020* 11790-11799
- Kumar, S.**, see Gupta, R., *TVT May 2020* 5281-5292
- Kumar, S.**, Chaudhari, M.S., Gupta, R., and Majhi, S., Multiple CFOs Estimation and Implementation of SC-FDMA Uplink System Using Oversampling and Iterative Method; *TVT June 2020* 6254-6263
- Kumar, S.**, see Singh, R., *TVT July 2020* 6977-6986
- Kumar, V.**, Cardiff, B., Prakriya, S., and Flanagan, M.F., Delay Violation Probability and Effective Rate of Downlink NOMA Over α - μ Fading Channels; *TVT Oct. 2020* 11241-11252
- Kumar S, Y.**, and Ohtsuki, T., Influence and Mitigation of Pedestrian Blockage at mmWave Cellular Networks; *TVT Dec. 2020* 15442-15457
- Kumari, P.**, Gupta, H.P., and Dutta, T., Estimation of Time Duration for Using the Allocated LoRa Spreading Factor: A Game-Theory Approach; *TVT Oct. 2020* 11090-11098
- Kuo, C.**, see Li, C., *TVT Sept. 2020* 10264-10277
- Kurniawan, A.**, see Liu, H., *TVT Feb. 2020* 2286-2290
- Kurt, G.K.**, see Sandal, Y.S., *TVT Dec. 2020* 15346-15356
- Kusaladharma, S.**, Zhu, W., Ajib, W., and Baduge, G.A.A., Stochastic Geometry Based Performance Characterization of SWIPT in Cell-Free Massive MIMO; *TVT Nov. 2020* 13357-13370
- Kuszmaul, J.**, see Taylor, A.H., *TVT Oct. 2020* 10506-10518
- Kutty, S.**, and Sen, D., Impact of Intra-Cluster Angular Spread on the Performance of NLoS Millimeter Wave Links With Imperfect Beam Alignment; *TVT Feb. 2020* 1813-1827
- Kwak, S.S.**, see Han, D., *TVT May 2020* 4947-4956
- Kwon, G.**, see Jee, J., *TVT Nov. 2020* 14019-14024
- Kwon, Y.**, see Han, D., *TVT May 2020* 4947-4956
- L**
- La Ganga, A.**, see Cirimele, V., *TVT March 2020* 2501-2512
- Lago, L.A.**, Zhang, Y., Akbar, N., Fei, Z., Yang, N., and He, Z., Pilot Decontamination Based on Superimposed Pilots Assisted by Time-Multiplexed Pilots in Massive MIMO Networks; *TVT Jan. 2020* 405-417
- Lai, C.**, see Chien, H., *TVT Feb. 2020* 2079-2091
- Lai, C.**, see Dai, C., *TVT Oct. 2020* 11169-11178
- Lai, C.**, see Charbonnier, R., *TVT Dec. 2020* 14264-14276
- Lai, K.**, Su, H., Peng, D., and He, S., Detection Algorithm for Single-Carrier Spatial Modulation Signals in Frequency-Selective Fading Channels; *TVT Nov. 2020* 13341-13356
- Lai, K.**, Lei, J., Wen, L., and Chen, G., Codeword Position Index Modulation Design for Sparse Code Multiple Access System; *TVT Nov. 2020* 13273-13288
- Lai, L.**, see Wu, H., *TVT July 2020* 7679-7691
- Lai, S.**, see Lin, C., *TVT Feb. 2020* 1505-1518
- Lai, W.**, Wang, Y., Lin, H., and Li, J., Efficient Resource Allocation and Power Control for LTE-A D2D Communication With Pure D2D Model; *TVT March 2020* 3202-3216
- Lai, Y.**, see Li, C., *TVT March 2020* 3231-3243
- Lajunen, A.**, Yang, Y., and Emadi, A., Review of Cabin Thermal Management for Electrified Passenger Vehicles; *TVT June 2020* 6025-6040
- Laly, P.**, see Yusuf, M., *TVT Nov. 2020* 12396-12407
- Lamare, R.C.d.**, see Lu, X., *TVT Dec. 2020* 15269-15283
- Lamba, A.K.**, Kumar, R., and Sharma, S., Joint User Pairing, Subchannel Assignment and Power Allocation in Cooperative Non-Orthogonal Multiple Access Networks; *TVT Oct. 2020* 11790-11799
- Lambadaris, I.**, see Zhang, Z., *TVT July 2020* 7955-7965
- Lan, J.**, and Zhao, D., Min-Max Model Predictive Vehicle Platooning With Communication Delay; *TVT Nov. 2020* 12570-12584
- Lan, L.**, Xu, J., Liao, G., Zhang, Y., Fioranelli, F., and So, H.C., Suppression of Mainbeam Deceptive Jammer With FDA-MIMO Radar; *TVT Oct. 2020* 11584-11598
- Landfeldt, B.**, see Moradi, F., *TVT Jan. 2020* 607-621
- Landfeldt, B.**, see Qi, W., *TVT July 2020* 7723-7734
- Lanfelt, C.**, see Jonasson, M., *TVT May 2020* 4788-4802
- Lannoo, B.**, see Yusuf, M., *TVT Nov. 2020* 12396-12407
- Lao, K.W.**, see Liu, L., *TVT Dec. 2020* 14645-14656
- Lasjerdi, H.**, and Nasiri-Gheidari, Z., A Comprehensive Analysis of Short-Circuit Fault in Wound-Rotor Resolvers; *TVT Dec. 2020* 14884-14892
- Lau, F.C.M.**, see Yang, Z., *TVT Jan. 2020* 390-404
- Lau, F.C.M.**, see Cai, X., *TVT Dec. 2020* 15486-15499
- Lau, F.C.M.**, see Chen, Q., *TVT Dec. 2020* 14316-14329
- Laurenson, D.I.**, see Alsaleem, F.N., *TVT Sept. 2020* 9431-9444
- Lavagetto, F.**, see Bisio, I., *TVT Aug. 2020* 9083-9096
- Lawrence, T.**, see Ali, I., *TVT Oct. 2020* 11266-11280
- Lazaro, A.**, see Miniguano, H., *TVT Jan. 2020* 235-245
- Le, K.N.**, Relay Outdatedness Under MRC Deployment; *TVT March 2020* 2802-2811
- Le, K.N.**, and Bao, V.N.Q., Secrecy Under Rayleigh-Dual Correlated Rician Fading Employing Opportunistic Relays and an Adaptive Encoder; *TVT May 2020* 5179-5192
- Le, L.B.**, see Bogale, T.E., *TVT May 2020* 5055-5067
- Le, L.B.**, see Tran, T.D., *TVT Aug. 2020* 8886-8899
- Le, T.A.**, Van Chien, T., Nakhai, M.R., and Le-Ngoc, T., Pareto-Optimal Pilot Design for Cellular Massive MIMO Systems; *TVT Nov. 2020* 13206-13215
- Le, T.H.T.**, Tran, N.H., LeAnh, T., Oo, T.Z., Kim, K., Ren, S., and Hong, C.S., Auction Mechanism for Dynamic Bandwidth Allocation in Multi-Tenant Edge Computing; *TVT Dec. 2020* 15162-15176
- Le Bihan, C.**, see Li, Y., *TVT Dec. 2020* 14588-14601
- Le Ruyet, D.**, see Han, Y., *TVT Jan. 2020* 1075-1079
- Le Ruyet, D.**, see Silva, B.F.d., *TVT March 2020* 2957-2966
- Le Ruyet, D.**, see Ozbek, B., *TVT June 2020* 6189-6199
- Le Ruyet, D.**, see Galdino, I., *TVT Aug. 2020* 9163-9167
- Le-Ngoc, T.**, see Masmoudi, A., *TVT Oct. 2020* 11308-11322
- Le-Ngoc, T.**, see Le, T.A., *TVT Nov. 2020* 13206-13215
- LeAnh, T.**, see Le, T.H.T., *TVT Dec. 2020* 15162-15176
- LeBel, F.**, see Pelletier, L., *TVT Dec. 2020* 14150-14159
- Lee, A.**, see Yoon, J., *TVT Feb. 2020* 2230-2245
- Lee, B.**, see Song, J., *TVT Aug. 2020* 9140-9145
- Lee, B.**, see Lee, J., *TVT Aug. 2020* 9131-9134
- Lee, B.**, see Song, J., *TVT Oct. 2020* 12306-12311
- Lee, C.**, see Im, C., *TVT Jan. 2020* 1147-1151
- Lee, C.**, see Li, M., *TVT Feb. 2020* 2008-2020
- Lee, C.**, and Kim, Y.H., Receive Beamforming and Resource Allocation for Wireless Powered Non-Orthogonal Multiple Access; *TVT April 2020* 4563-4568
- Lee, C.**, see Chao, C., *TVT April 2020* 4325-4339
- Lee, C.**, see Shang, J., *TVT Nov. 2020* 13148-13164
- Lee, C.H.**, see Cao, L., *TVT Nov. 2020* 12734-12750
- Lee, C.H.**, see Wu, Z., *TVT Dec. 2020* 14834-14845
- Lee, C.H.T.**, see Mei, J., *TVT Jan. 2020* 293-301
- Lee, C.H.T.**, see Mei, J., *TVT Nov. 2020* 12822-12831

- Lee, D.**, Secrecy Performance of User and Antenna Selection With Channel Estimation Inaccuracy; *TVT April 2020 4533-4536*
- Lee, D.H.**, see Jo, H.J., *TVT Feb. 2020 2204-2218*
- Lee, D.H.**, see Mun, H., *TVT July 2020 7078-7091*
- Lee, E.A.**, see Kim, J., *TVT Sept. 2020 9445-9458*
- Lee, H.**, see Eom, S., *TVT Jan. 2020 651-662*
- Lee, H.**, see Gong, J., *TVT Feb. 2020 2332-2336*
- Lee, H.**, see Yoon, J., *TVT Feb. 2020 2230-2245*
- Lee, H.**, see Chae, S.H., *TVT May 2020 5647-5651*
- Lee, H.**, see Kim, E., *TVT Aug. 2020 8468-8482*
- Lee, H.**, see Jung, S., *TVT Sept. 2020 9577-9588*
- Lee, H.**, see Shin, C.S., *TVT Oct. 2020 10403-10418*
- Lee, H.**, see Hwang, S., *TVT Nov. 2020 14055-14060*
- Lee, H.**, see Kim, E., *TVT Nov. 2020 14072-14077*
- Lee, I.**, see Eom, S., *TVT Jan. 2020 651-662*
- Lee, I.**, see Jo, H.J., *TVT Feb. 2020 2204-2218*
- Lee, I.**, see Choi, S., *TVT May 2020 4957-4967*
- Lee, I.**, see Lee, J., *TVT Aug. 2020 9131-9134*
- Lee, I.**, see Hwang, S., *TVT Nov. 2020 14055-14060*
- Lee, J.**, see Im, C., *TVT Jan. 2020 1147-1151*
- Lee, J.**, see Han, Y., *TVT Jan. 2020 1075-1079*
- Lee, J.**, Chung, J., and Sohn, K., Reinforcement Learning for Joint Control of Traffic Signals in a Transportation Network; *TVT Feb. 2020 1375-1387*
- Lee, J.**, see Lee, K., *TVT March 2020 3500-3504*
- Lee, J.**, see Choi, S., *TVT May 2020 4957-4967*
- Lee, J.**, Nam, S.S., and Ko, Y., Outage Performance Analysis of Two-Way Full-Duplex DF Relaying Networks With Beamforming; *TVT Aug. 2020 8753-8763*
- Lee, J.**, see Song, J., *TVT Aug. 2020 9140-9145*
- Lee, J.**, Oh, T., Moon, J., Song, C., Lee, B., and Lee, I., Hybrid Beamforming With Variable RF Attenuator for Multi-User mmWave Systems; *TVT Aug. 2020 9131-9134*
- Lee, J.**, see Song, J., *TVT Oct. 2020 12306-12311*
- Lee, J.**, see Baek, J., *TVT Oct. 2020 10558-10568*
- Lee, J.**, see Shin, C.S., *TVT Oct. 2020 10403-10418*
- Lee, J.**, see Ahn, J., *TVT Nov. 2020 13631-13645*
- Lee, J.**, see Tunze, G.B., *TVT Dec. 2020 15557-15568*
- Lee, K.**, see Nguyen, N.T., *TVT Jan. 2020 1136-1140*
- Lee, K.**, Lee, J., and Choi, H., Learning-Based Joint Optimization of Transmit Power and Harvesting Time in Wireless-Powered Networks With Co-Channel Interference; *TVT March 2020 3500-3504*
- Lee, K.**, see Bahingayi, E.E., *TVT April 2020 4058-4068*
- Lee, K.**, see Van Le, T., *TVT June 2020 6554-6562*
- Lee, K.**, see Lim, J., *TVT Oct. 2020 11323-11337*
- Lee, M.**, Yu, G., and Li, G.Y., Learning to Branch: Accelerating Resource Allocation in Wireless Networks; *TVT Jan. 2020 958-970*
- Lee, M.**, see Song, J., *TVT Oct. 2020 12306-12311*
- Lee, S.**, see Jeong, W., *TVT Nov. 2020 13916-13920*
- Lee, S.**, see Hong, D., *TVT Dec. 2020 14803-14817*
- Lee, V.C.S.**, see Dai, P., *TVT July 2020 7821-7834*
- Lee, Y.**, see Kim, E., *TVT Aug. 2020 8468-8482*
- Lee, Y.**, and Wu, W., A WLAN Uplink Collision-Resolving Scheme Using Multi-User Beamforming Technique; *TVT Oct. 2020 11042-11054*
- Lee, Y.**, see Kim, E., *TVT Nov. 2020 14072-14077*
- Lee Swindlehurst, A.**, see Sun, L., *TVT July 2020 7992-7997*
- Lehn, P.**, see Oliveira, R., *TVT June 2020 6079-6093*
- Lehtonen, M.**, see Ali, A., *TVT May 2020 4763-4772*
- Lei, G.**, see Sun, X., *TVT May 2020 4968-4978*
- Lei, H.**, see Wang, K., *TVT Dec. 2020 16320-16324*
- Lei, J.**, see Lai, K., *TVT Nov. 2020 13273-13288*
- Lei, X.**, see Ren, J., *TVT June 2020 6485-6499*
- Lei, X.**, see Li, Y., *TVT Aug. 2020 9201-9205*
- Leng, S.**, see Xiong, K., *TVT Nov. 2020 12652-12663*
- Lennox, B.**, see Hu, J., *TVT Dec. 2020 14413-14423*
- Lenzo, B.**, see Guo, N., *TVT May 2020 4935-4946*
- Leow, C.Y.**, see Badrudeen, A.A., *TVT Aug. 2020 8739-8752*
- Letaief, K.B.**, see Jiang, R., *TVT July 2020 7264-7280*
- Leung, H.**, see Zhang, Y., *TVT May 2020 4711-4726*
- Leung, K.**, see Chen, X., *TVT Jan. 2020 114-130*
- Leung, S.**, see Zhang, W., *TVT May 2020 5355-5368*
- Leung, V.C.M.**, see Sun, W., *TVT March 2020 2864-2877*
- Leung, V.C.M.**, see Guo, Y., *TVT April 2020 3879-3892*
- Leung, V.C.M.**, see Sun, K., *TVT July 2020 7518-7530*
- Leung, V.C.M.**, see Guo, F., *TVT Aug. 2020 8514-8528*
- Leung, V.C.M.**, see Guan, W., *TVT Dec. 2020 15188-15199*
- Leung, V.C.M.**, see Zhuang, Y., *TVT Dec. 2020 15216-15228*
- Leus, G.**, see Han, J., *TVT Feb. 2020 2301-2305*
- Levanen, T.**, see Talvitie, J., *TVT Dec. 2020 16235-16240*
- Lewis, F.L.**, see Liu, M., *TVT Jan. 2020 593-606*
- Lewis, F.L.**, see Liu, H., *TVT July 2020 6880-6890*
- Li, A.**, see Zhang, D., *TVT Feb. 2020 1595-1611*
- Li, A.**, and Luk, K., Single-Layer Wideband End-Fire Dual-Polarized Antenna Array for Device-to-Device Communication in 5G Wireless Systems; *TVT May 2020 5142-5150*
- Li, A.**, see Xiong, F., *TVT Aug. 2020 9002-9016*
- Li, A.**, see Pradhan, C., *TVT Dec. 2020 16270-16275*
- Li, B.**, see Fan, C., *TVT Jan. 2020 1060-1064*
- Li, B.**, see Ma, H., *TVT March 2020 3449-3453*
- Li, B.**, Zhang, M., Cao, H., Rong, Y., and Han, Z., Transceiver Design for AF MIMO Relay Systems With a Power Splitting Based Energy Harvesting Relay Node; *TVT March 2020 2376-2388*
- Li, B.**, see Wu, Z., *TVT April 2020 4417-4425*
- Li, B.**, see Wu, Z., *TVT April 2020 4417-4425*
- Li, B.**, see Pan, Y., *TVT June 2020 5995-6010*
- Li, B.**, Guo, X., Zhang, R., Du, X., and Guizani, M., Performance Analysis and Optimization for the MAC Protocol in UAV-Based IoT Network; *TVT Aug. 2020 8925-8937*
- Li, B.**, see Wu, Y., *TVT Oct. 2020 10899-10913*
- Li, B.**, see Du, P., *TVT Oct. 2020 12162-12174*
- Li, B.**, see Wu, Z., *TVT Oct. 2020 12216-12228*
- Li, C.**, see Guo, W., *TVT Jan. 2020 457-470*
- Li, C.**, see Dou, Z., *TVT Feb. 2020 1727-1740*
- Li, C.**, see Dou, Z., *TVT Feb. 2020 1727-1740*
- Li, C.**, see Wang, H., *TVT March 2020 2613-2620*
- Li, C.**, see Huang, G., *TVT March 2020 3357-3369*
- Li, C.**, see Huang, G., *TVT March 2020 3357-3369*
- Li, C.**, Lin, Y., Lai, Y., Chien, H., Huang, Y., Huang, P., and Liu, H., Transparent AAA Security Design for Low-Latency MEC-Integrated Cellular Networks; *TVT March 2020 3231-3243*
- Li, C.**, see Liu, F., *TVT March 2020 2928-2942*
- Li, C.**, Zhang, H., Zhang, T., Rao, J., Wang, L.Y., and Yin, G., Cyber-Physical Scheduling for Predictable Reliability of Inter-Vehicle Communications; *TVT April 2020 4192-4206*
- Li, C.**, Yue, W., Mao, G., and Xu, Z., Congestion Propagation Based Bottleneck Identification in Urban Road Networks; *TVT May 2020 4827-4841*
- Li, C.**, see Fu, Y., *TVT June 2020 5876-5888*
- Li, C.**, see Ji, B., *TVT July 2020 7404-7415*
- Li, C.**, see Tian, X., *TVT Sept. 2020 10202-10213*
- Li, C.**, Chen, S., Kuo, C., and Chiu, C., Practical Machine Learning-Based Rate Adaptation Solution for Wi-Fi NICs: IEEE 802.11ac as a Case Study; *TVT Sept. 2020 10264-10277*
- Li, C.**, see Chen, Q., *TVT Nov. 2020 13658-13672*
- Li, C.**, see Hui, Y., *TVT Dec. 2020 16044-16056*
- Li, D.**, Zhang, H., and Fan, L., Adaptive Mode Selection for Backscatter-Assisted Communication Systems With Opportunistic SIC; *TVT Feb. 2020 2327-2331*
- Li, D.**, Zhang, D., and Zhang, G., Degrees of Freedom for Half-Duplex and Full-Duplex Multi-User Cognitive Radios; *TVT March 2020 2812-2827*
- Li, D.**, see Guo, C., *TVT May 2020 4855-4868*
- Li, D.**, Backscatter Communication via Harvest-Then-Transmit Relaying; *TVT June 2020 6843-6847*
- Li, D.**, see Zhu, H., *TVT Aug. 2020 8725-8738*
- Li, D.**, see Xu, H., *TVT Sept. 2020 10127-10139*
- Li, D.**, see Tian, J., *TVT Oct. 2020 10832-10841*

- Li, D., Backscatter Communication Powered By Selective Relaying; *TVT Nov. 2020 14037-14042*
- Li, D., and Guo, G., Prescribed Performance Concurrent Control of Connected Vehicles With Nonlinear Third-Order Dynamics; *TVT Dec. 2020 14793-14802*
- Li, E., see He, Z., *TVT Dec. 2020 14618-14630*
- Li, F., see Zhang, J., *TVT May 2020 5666-5671*
- Li, F., see Zhao, T., *TVT July 2020 7981-7986*
- Li, F., see Wang, K., *TVT July 2020 7054-7063*
- Li, F., see Ali, I., *TVT Oct. 2020 11266-11280*
- Li, G., Mishra, D., and Jiang, H., Channel-Aware Power Allocation and Decoding Order in Overlay Cognitive NOMA Networks; *TVT June 2020 6511-6524*
- Li, G., see Li, J., *TVT June 2020 6011-6024*
- Li, G., Lu, X., and Niyato, D., A Bandit Approach for Mode Selection in Ambient Backscatter-Assisted Wireless-Powered Relaying; *TVT Aug. 2020 9190-9195*
- Li, G., Mishra, D., Hu, Y., Huang, Y., and Jiang, H., Adaptive Relay Selection Strategies for Cooperative NOMA Networks With User and Relay Cooperation; *TVT Oct. 2020 11728-11742*
- Li, G., see Li, Q., *TVT Nov. 2020 13139-13147*
- Li, G., see Xue, Q., *TVT Dec. 2020 14765-14779*
- Li, G.Y., see Lee, M., *TVT Jan. 2020 958-970*
- Li, G.Y., see Gao, S., *TVT May 2020 5442-5456*
- Li, G.Y., see Dong, P., *TVT June 2020 6541-6553*
- Li, G.Y., see Liang, P., *TVT Aug. 2020 9217-9222*
- Li, G.Y., see Li, Z., *TVT Oct. 2020 12317-12320*
- Li, H., see Mohammed, A., *TVT Jan. 2020 685-699*
- Li, H., see Ma, R., *TVT Feb. 2020 2126-2140*
- Li, H., see Jiang, W., *TVT April 2020 4439-4449*
- Li, H., Zhang, C., Mahmoud, M., and Lu, R., Guest Editorial Introduction to the Special Section on Blockchains in Emerging Vehicular Social Networks; *TVT June 2020 5732-5735*
- Li, H., see Fan, K., *TVT June 2020 5826-5835*
- Li, H., see Nguyen, H., *TVT July 2020 6902-6915*
- Li, H., see Li, Z., *TVT July 2020 7583-7595*
- Li, H., Xu, H., Zhou, C., Lu, X., and Han, Z., Joint Optimization Strategy of Computation Offloading and Resource Allocation in Multi-Access Edge Computing Environment; *TVT Sept. 2020 10214-10226*
- Li, H., see Shi, K., *TVT Sept. 2020 10380-10384*
- Li, H., see Zhang, Z., *TVT Oct. 2020 11233-11240*
- Li, H., Chaoui, H., and Gualous, H., Cost Minimization Strategy for Fuel Cell Hybrid Electric Vehicles Considering Power Sources Degradation; *TVT Nov. 2020 12832-12842*
- Li, H., Cheng, Y., Mei, L., and Guo, L., Frame Integrated Wideband Dual-Polarized Arrays for Mm-Wave/Sub 6-GHz Mobile Handsets and Its User Effects; *TVT Dec. 2020 14330-14340*
- Li, H., see Yang, H., *TVT Dec. 2020 14494-14509*
- Li, H., see Wang, P., *TVT Dec. 2020 14960-14973*
- Li, J., see Yu, X., *TVT Jan. 2020 90-100*
- Li, J., see Shen, J., *TVT Jan. 2020 807-817*
- Li, J., Peng, Y., Yan, Y., Jiang, X., Hai, H., and Zukerman, M., Cognitive Radio Network Assisted by OFDM With Index Modulation; *TVT Jan. 2020 1106-1110*
- Li, J., see Sheng, M., *TVT Jan. 2020 509-521*
- Li, J., see Lai, W., *TVT March 2020 3202-3216*
- Li, J., Xing, R., Su, Z., Zhang, N., Hui, Y., Luan, T.H., and Shan, H., Trust Based Secure Content Delivery in Vehicular Networks: A Bargaining Game Theoretical Approach; *TVT March 2020 3267-3279*
- Li, J., see Liu, F., *TVT March 2020 2928-2942*
- Li, J., see Liu, Q., *TVT May 2020 5723-5728*
- Li, J., Chen, F., Wang, Y., Charge, P., Ji, F., and Yu, H., Spatial Spectrum Estimation of Incoherently Distributed Sources Based on Low-Rank Matrix Recovery; *TVT June 2020 6333-6347*
- Li, J., Liu, Y., Qin, D., Li, G., and Chen, Z., Research on Equivalent Factor Boundary of Equivalent Consumption Minimization Strategy for PHEVs; *TVT June 2020 6011-6024*
- Li, J., see He, L., *TVT June 2020 6848-6853*
- Li, J., see Xia, X., *TVT July 2020 7569-7582*
- Li, J., see Yuan, Q., *TVT Aug. 2020 9041-9052*
- Li, J., see Shen, Z., *TVT Aug. 2020 8657-8669*
- Li, J., see Xu, R., *TVT Oct. 2020 11857-11867*
- Li, J., see Xu, B., *TVT Oct. 2020 11128-11138*
- Li, J., see Wang, K., *TVT Nov. 2020 13579-13592*
- Li, J., see Lu, Y., *TVT Dec. 2020 14858-14868*
- Li, J., see Pradhan, C., *TVT Dec. 2020 16270-16275*
- Li, J., see Lin, Y., *TVT Dec. 2020 16027-16043*
- Li, J., see Chen, H., *TVT Dec. 2020 15500-15517*
- Li, J., see Guo, W., *TVT Dec. 2020 14510-14522*
- Li, K., You, L., Wang, J., and Gao, X., Physical Layer Multicasting in Massive MIMO Systems With Statistical CSIT; *TVT Feb. 2020 1651-1665*
- Li, K., see Zhang, H., *TVT April 2020 4450-4459*
- Li, K., Cheng, S., Yu, T., Wu, X., Xiang, C., and Bilal, A., An On-Line Multiple Open-Circuit Fault Diagnostic Technique for Railway Vehicle Air-Conditioning Inverters; *TVT July 2020 7026-7039*
- Li, K., see Guan, Y., *TVT Nov. 2020 12597-12608*
- Li, K., see Cui, M., *TVT Dec. 2020 15815-15827*
- Li, L., see Yin, S., *TVT Feb. 2020 1554-1567*
- Li, L., see Chen, X., *TVT Feb. 2020 2246-2262*
- Li, L., see Yang, C., *TVT Feb. 2020 1519-1532*
- Li, L., see Yin, S., *TVT Feb. 2020 2171-2184*
- Li, L., see Huang, C., *TVT April 2020 3628-3640*
- Li, L., see Di, B., *TVT April 2020 4565-4570*
- Li, L., see Shen, Y., *TVT April 2020 3575-3589*
- Li, L., see Zhe, T., *TVT May 2020 4907-4919*
- Li, L., see Peng, H., *TVT June 2020 6053-6066*
- Li, L., see Liu, G., *TVT Aug. 2020 9152-9156*
- Li, L., see Wu, P., *TVT Sept. 2020 9342-9355*
- Li, L., see Li, X., *TVT Oct. 2020 12286-12290*
- Li, L., see Xu, C., *TVT Nov. 2020 12621-12634*
- Li, L., Cheng, Q., Xue, K., Yang, C., and Han, Z., Downlink Transmit Power Control in Ultra-Dense UAV Network Based on Mean Field Game and Deep Reinforcement Learning; *TVT Dec. 2020 15594-15605*
- Li, M., and Lee, C., Design and Analysis of CQI Feedback Reduction Mechanism for Adaptive Multicast IPTV in Wireless Cellular Networks; *TVT Feb. 2020 2008-2020*
- Li, M., see Tan, M.C., *TVT March 2020 2659-2670*
- Li, M., Cheng, N., Gao, J., Wang, Y., Zhao, L., and Shen, X., Energy-Efficient UAV-Assisted Mobile Edge Computing: Resource Allocation and Trajectory Optimization; *TVT March 2020 3424-3438*
- Li, M., see Xue, H., *TVT April 2020 4142-4154*
- Li, M., see Lu, K., *TVT May 2020 4689-4699*
- Li, M., see Sun, M., *TVT May 2020 4773-4787*
- Li, M., Zhao, Z., Fan, J., and Gao, J., Estimation of Transmission Input&Output Shaft Torque and Drive Wheel Speed for Compound Power Split Powertrain Based on Unknown Input Observer; *TVT May 2020 4883-4893*
- Li, M., Jiang, L., and Yeung, K.L., A General and Systematic Method to Design Neutralization Lines for Isolation Enhancement in MIMO Antenna Arrays; *TVT June 2020 6242-6253*
- Li, M., see Wang, F., *TVT Nov. 2020 12609-12620*
- Li, N., see Yuan, C., *TVT Sept. 2020 10019-10032*
- Li, N., see Yu, X., *TVT Oct. 2020 12291-12295*
- Li, N., see Zhong, X., *TVT Dec. 2020 15019-15034*
- Li, P., see Guo, G., *TVT July 2020 6916-6927*
- Li, P., Jian, X., Wang, F., Fu, S., and Zhang, Z., Theoretical Throughput Analysis for Massive Random Access With Spatial Successive Decoding; *TVT July 2020 7998-8002*
- Li, P., see Zhu, Y., *TVT Aug. 2020 8317-8328*
- Li, P., Han, L., Xu, S., Wu, D.O., and Gong, P., Resource Allocation for 5G-Enabled Vehicular Networks in Unlicensed Frequency Bands; *TVT Nov. 2020 13546-13555*
- Li, Q., see Tian, M., *TVT March 2020 2716-2730*
- Li, Q., see Zhang, L., *TVT March 2020 2598-2612*

- Li, Q., Wu, S.X., Wang, S., and Lin, J., Joint Uplink/Downlink Discrete Sum Rate Maximization for Full-Duplex Multicell Heterogeneous Networks; *TVT March 2020 2758-2770*
- Li, Q., see Pei, X., *TVT April 2020 4503-4507*
- Li, Q., see Wu, Z., *TVT May 2020 5244-5254*
- Li, Q., see Machura, P., *TVT June 2020 5968-5982*
- Li, Q., see Lian, R., *TVT Aug. 2020 8367-8380*
- Li, Q., Zhang, Y., Li, Y., Xiao, Y., and Ge, X., Capacity-Aware Edge Caching in Fog Computing Networks; *TVT Aug. 2020 9244-9248*
- Li, Q., see Lin, J., *TVT Aug. 2020 8710-8724*
- Li, Q., see Xue, W., *TVT Nov. 2020 13196-13205*
- Li, Q., Gong, F., Song, P., Li, G., and Zhai, S., Joint Channel Estimation and Precoding for Faster-Than-Nyquist Signaling; *TVT Nov. 2020 13139-13147*
- Li, R., Hong, P., Xue, K., Zhang, M., and Yang, T., Energy-Efficient Resource Allocation for High-Rate Underlay D2D Communications With Statistical CSI: A One-to-Many Strategy; *TVT April 2020 4006-4018*
- Li, S., see Liu, M., *TVT Jan. 2020 593-606*
- Li, S., see Zhang, Y., *TVT Jan. 2020 948-957*
- Li, S., see Jiang, K., *TVT Feb. 2020 2291-2295*
- Li, S., Lin, S., Cai, L., Li, W., and Zhu, G., Joint Resource Allocation and Computation Offloading With Time-Varying Fading Channel in Vehicular Edge Computing; *TVT March 2020 3384-3398*
- Li, S., see Pan, Y., *TVT June 2020 5995-6010*
- Li, S., see Cheng, X., *TVT Aug. 2020 8483-8498*
- Li, S., Yuan, W., Yuan, J., Bai, B., Wing Kwan Ng, D., and Hanzo, L., Time-Domain vs. Frequency-Domain Equalization for FTN Signaling; *TVT Aug. 2020 9174-9179*
- Li, S., see Zhou, J., *TVT Sept. 2020 10046-10058*
- Li, S., see Chen, J., *TVT Oct. 2020 11353-11368*
- Li, S., see Luo, S., *TVT Nov. 2020 14067-14071*
- Li, S., Yang, L., da Costa, D.B., Zhang, J., and Alouini, M., Performance Analysis of Mixed RF-UWOC Dual-Hop Transmission Systems; *TVT Nov. 2020 14043-14048*
- Li, S., see Zhong, X., *TVT Dec. 2020 15019-15034*
- Li, S.E., see Guan, Y., *TVT Nov. 2020 12597-12608*
- Li, T., see Cao, K., *TVT Feb. 2020 1942-1955*
- Li, T., see Yue, X., *TVT June 2020 6818-6821*
- Li, T., Ma, Y., Shen, H., and Endoh, T., FPGA Implementation of Real-Time Pedestrian Detection Using Normalization-Based Validation of Adaptive Features Clustering; *TVT Sept. 2020 9330-9341*
- Li, T., see Li, Y., *TVT Nov. 2020 13985-13989*
- Li, T., see Xiao, Z., *TVT Dec. 2020 14537-14549*
- Li, W., see Li, S., *TVT March 2020 3384-3398*
- Li, W., see Yi, W., *TVT April 2020 4104-4118*
- Li, W., Hu, X., Gao, J., Zhao, L., and Jiang, T., Measurements and Analysis of Propagation Channels in Vehicle-to-Infrastructure Scenarios; *TVT April 2020 3550-3561*
- Li, W., see Wang, Y., *TVT Aug. 2020 8176-8191*
- Li, W., see Xie, Y., *TVT Dec. 2020 14657-14673*
- Li, X., see Rahim, M.A., *TVT Jan. 2020 163-171*
- Li, X., see Luo, B., *TVT Feb. 2020 2034-2048*
- Li, X., see Grabner, M.J., *TVT Feb. 2020 1542-1553*
- Li, X., Wang, W., Zhang, M., Zhou, F., and Al-Dhahir, N., Robust Secure Beamforming for SWIPT-Aided Relay Systems With Full-Duplex Receiver and Imperfect CSI; *TVT Feb. 2020 1867-1878*
- Li, X., Liu, Z., Qin, N., and Jin, S., FFR Based Joint 3D Beamforming Interference Coordination for Multi-Cell FD-MIMO Downlink Transmission Systems; *TVT March 2020 3105-3118*
- Li, X., see Wang, Q., *TVT April 2020 4033-4041*
- Li, X., see Chen, B., *TVT May 2020 4894-4906*
- Li, X., see Yue, X., *TVT June 2020 6818-6821*
- Li, X., see Sun, Z., *TVT June 2020 6525-6540*
- Li, X., Xu, M., Vijayakumar, P., Kumar, N., and Liu, X., Detection of Low-Frequency and Multi-Stage Attacks in Industrial Internet of Things; *TVT Aug. 2020 8820-8831*
- Li, X., see Guo, F., *TVT Aug. 2020 8514-8528*
- Li, X., Xiao, R., Pan, M., Jiang, F., Zhao, N., and Wang, X., Green Traffic Off-Loading Over Uncertain Shared Spectrums With End-to-End QoS Guarantee; *TVT Sept. 2020 9921-9937*
- Li, X., see Shi, Q., *TVT Sept. 2020 10009-10018*
- Li, X., see Wang, J., *TVT Sept. 2020 10242-10251*
- Li, X., see Dong, L., *TVT Sept. 2020 9292-9303*
- Li, X., see Ding, H., *TVT Oct. 2020 12359-12362*
- Li, X., Zhao, M., Liu, Y., Li, L., Ding, Z., and Nallanathan, A., Secrecy Analysis of Ambient Backscatter NOMA Systems Under I/Q Imbalance; *TVT Oct. 2020 12286-12290*
- Li, X., see Zhang, Y., *TVT Nov. 2020 13482-13496*
- Li, X., see Zhang, H., *TVT Dec. 2020 15569-15579*
- Li, X., see Zhuang, Y., *TVT Dec. 2020 15216-15228*
- Li, Y., see Wang, X., *TVT Feb. 2020 2105-2113*
- Li, Y., see Liu, M., *TVT Feb. 2020 1464-1472*
- Li, Y., see Zhang, D., *TVT Feb. 2020 1595-1611*
- Li, Y., see Rui, X., *TVT Feb. 2020 1440-1451*
- Li, Y., see Wang, C., *TVT Feb. 2020 2296-2300*
- Li, Y., see Hu, Y., *TVT March 2020 3093-3104*
- Li, Y., see Lv, X., *TVT March 2020 2828-2835*
- Li, Y., see Zhao, N., *TVT April 2020 3994-4005*
- Li, Y., see Wen, K., *TVT April 2020 4340-4352*
- Li, Y., see Yang, X., *TVT April 2020 3828-3840*
- Li, Y., see Saleem, U., *TVT April 2020 4472-4486*
- Li, Y., see Di, B., *TVT April 2020 4565-4570*
- Li, Y., Zou, X., Liu, P., Luo, B., Pan, W., and Yan, L., Four-Element Array for GNSS Attitude Determination Using IRLS: An Improved Rounding of Long-Short Baseline Approach; *TVT May 2020 4920-4934*
- Li, Y., see Yang, Z., *TVT May 2020 5426-5441*
- Li, Y., see Chen, S., *TVT May 2020 4740-4750*
- Li, Y., see Muhammad, N.A., *TVT June 2020 6178-6188*
- Li, Y., see Ji, B., *TVT July 2020 7404-7415*
- Li, Y., see Chen, Z., *TVT July 2020 7692-7706*
- Li, Y., see Zheng, K., *TVT July 2020 7545-7557*
- Li, Y., Wang, J., Sun, X., Li, Z., Liu, M., and Gui, G., Smoothing-Aided Support Vector Machine Based Nonstationary Video Traffic Prediction Towards B5G Networks; *TVT July 2020 7493-7502*
- Li, Y., see Zhang, Y., *TVT Aug. 2020 8643-8656*
- Li, Y., see Li, Q., *TVT Aug. 2020 9244-9248*
- Li, Y., Tang, B., Wang, J., and Bao, Z., On Multi-Hop Short-Packet Communications: Recoding or End-to-End Fountain Coding?; *TVT Aug. 2020 9229-9233*
- Li, Y., Xiao, Y., Lei, X., and Xiao, M., Cross-Media Communications With Decode-and-Forward Relay and Optimal Power Allocation; *TVT Aug. 2020 9201-9205*
- Li, Y., see Zhu, Y., *TVT Aug. 2020 8317-8328*
- Li, Y., see Niu, K., *TVT Sept. 2020 10103-10114*
- Li, Y., see Wang, H., *TVT Sept. 2020 10155-10166*
- Li, Y., see Zhai, C., *TVT Oct. 2020 11014-11027*
- Li, Y., see Liu, P., *TVT Oct. 2020 11570-11583*
- Li, Y., Li, T., Ni, Q., and Zarakovitis, C., Sum-Rate Maximization Based Relay Selection for Cooperative NOMA Over Nakagami-m Fading; *TVT Nov. 2020 13985-13989*
- Li, Y., see Li, Y., *TVT Nov. 2020 13985-13989*
- Li, Y., see Wu, J., *TVT Nov. 2020 12786-12796*
- Li, Y., see Ma, Z., *TVT Nov. 2020 12418-12431*
- Li, Y., Xu, G., Yang, K., Ge, J., Liu, P., and Jin, Z., Energy Efficient Relay Selection and Resource Allocation in D2D-Enabled Mobile Edge Computing; *TVT Dec. 2020 15800-15814*
- Li, Y., see Pradhan, C., *TVT Dec. 2020 16270-16275*
- Li, Y., Le Bihan, C., Pourtau, T., Ristorcelli, T., and Ibanez-Guzman, J., Coarse-to-Fine Segmentation on LiDAR Point Clouds in Spherical Coordinate and Beyond; *TVT Dec. 2020 14588-14601*
- Li, Z., see Liao, X., *TVT Jan. 2020 983-997*
- Li, Z., see Chen, H., *TVT Feb. 2020 1309-1318*
- Li, Z., and Guo, C., Multi-Agent Deep Reinforcement Learning Based Spectrum Allocation for D2D Underlay Communications; *TVT Feb. 2020 1828-1840*

- Li, Z.**, see Feng, L., *TVT March 2020 2621-2635*
- Li, Z.**, see Yu, H., *TVT April 2020 3680-3692*
- Li, Z.**, see Jeon, C., *TVT May 2020 4677-4688*
- Li, Z.**, see Du, P., *TVT June 2020 6067-6078*
- Li, Z.**, see Liang, H., *TVT June 2020 6401-6414*
- Li, Z.**, see Deng, Y., *TVT July 2020 7295-7305*
- Li, Z.**, see Li, Y., *TVT July 2020 7493-7502*
- Li, Z.**, Bai, Y., G. Shin, K., Yan, Z., and Li, H., Inside-Out Precoding to Manage Multiple Interferences From the Same Source; *TVT July 2020 7583-7595*
- Li, Z.**, Xiang, L., Ge, X., Mao, G., and Chao, H., Latency and Reliability of mmWave Multi-Hop V2V Communications Under Relay Selections; *TVT Sept. 2020 9807-9821*
- Li, Z.**, see Zhao, Q., *TVT Sept. 2020 10278-10290*
- Li, Z.**, see Zhao, P., *TVT Oct. 2020 11909-11925*
- Li, Z.**, see Gao, D., *TVT Oct. 2020 11179-11191*
- Li, Z.**, Qi, C., and Li, G.Y., Low-Complexity Multicast Beamforming for Millimeter Wave Communications; *TVT Oct. 2020 12317-12320*
- Li, Z.**, see Hu, X., *TVT Oct. 2020 10787-10796*
- Li, Z.**, see Chen, Y., *TVT Oct. 2020 12321-12326*
- Li, Z.**, Gong, J., Lu, C., and Xi, J., Importance Weighted Gaussian Process Regression for Transferable Driver Behaviour Learning in the Lane Change Scenario; *TVT Nov. 2020 12497-12509*
- Li, Z.**, see Wu, Q., *TVT Dec. 2020 15760-15773*
- Li, Z.**, see Wang, C., *TVT Dec. 2020 15253-15268*
- Li, Z.**, see Chen, R., *TVT Dec. 2020 15113-15126*
- Li Wang, M.**, see Dai, S., *TVT Jan. 2020 998-1007*
- Lian, R.**, Tan, H., Peng, J., Li, Q., and Wu, Y., Cross-Type Transfer for Deep Reinforcement Learning Based Hybrid Electric Vehicle Energy Management; *TVT Aug. 2020 8367-8380*
- Lian, X.**, see Wu, Z., *TVT May 2020 5244-5254*
- Lian, Y.**, see Ding, Q., *TVT July 2020 7389-7403*
- Liang, B.**, see He, L., *TVT June 2020 6848-6853*
- Liang, H.**, see Lv, X., *TVT March 2020 2828-2835*
- Liang, H.**, Zhao, X., and Li, Z., Optimal Energy Cooperation Policy in Fusion Center-Based Sustainable Wireless Sensor Networks; *TVT June 2020 6401-6414*
- Liang, H.**, see Mu, X., *TVT July 2020 7622-7633*
- Liang, J.**, see Bilgin, B., *TVT July 2020 7172-7186*
- Liang, J.**, see Qu, Q., *TVT Dec. 2020 15035-15045*
- Liang, K.**, see Zhou, G., *TVT Jan. 2020 1163-1167*
- Liang, L.**, Cheng, W., Zhang, W., and Zhang, H., Joint OAM Multiplexing and OFDM in Sparse Multipath Environments; *TVT April 2020 3864-3878*
- Liang, P.**, Fan, J., Shen, W., Qin, Z., and Li, G.Y., Deep Learning and Compressive Sensing-Based CSI Feedback in FDD Massive MIMO Systems; *TVT Aug. 2020 9217-9222*
- Liang, P.P.**, see Hu, S., *TVT Jan. 2020 564-577*
- Liang, X.**, see Xu, M., *TVT June 2020 6771-6776*
- Liang, Y.**, see Hu, S., *TVT Jan. 2020 564-577*
- Liang, Y.**, see Fan, C., *TVT Jan. 2020 1060-1064*
- Liang, Y.**, see Chen, J., *TVT Feb. 2020 2141-2156*
- Liang, Y.**, see Wang, L., *TVT May 2020 5583-5597*
- Liang, Y.**, see Zhao, Q., *TVT Sept. 2020 10278-10290*
- Liang, Y.**, see Wang, Y., *TVT Oct. 2020 12124-12135*
- Liang, Y.**, see Guo, D., *TVT Nov. 2020 13124-13138*
- Liang, Y.**, see Liu, Y., *TVT Dec. 2020 15731-15745*
- Liang, Z.**, Zhao, J., Dong, Z., Wang, Y., and Ding, Z., Torque Vectoring and Rear-Wheel-Steering Control for Vehicle's Uncertain Slips on Soft and Slope Terrain Using Sliding Mode Algorithm; *TVT April 2020 3805-3815*
- Liao, G.**, see Liu, Y., *TVT Oct. 2020 11659-11672*
- Liao, G.**, see Lan, L., *TVT Oct. 2020 11584-11598*
- Liao, J.**, see Fu, X., *TVT June 2020 6670-6679*
- Liao, J.**, see Qi, Q., *TVT Nov. 2020 13861-13874*
- Liao, R.**, see Song, H., *TVT July 2020 7596-7608*
- Liao, W.**, see Liu, J., *TVT Aug. 2020 8356-8366*
- Liao, X.**, Shi, J., Li, Z., Zhang, L., and Xia, B., A Model-Driven Deep Reinforcement Learning Heuristic Algorithm for Resource Allocation in Ultra-Dense Cellular Networks; *TVT Jan. 2020 983-997*
- Liao, X.**, see Hu, X., *TVT Sept. 2020 9849-9865*
- Liao, X.**, see Wang, W., *TVT Sept. 2020 10000-10008*
- Liaw, C.**, see Kumar, G.V., *TVT May 2020 5012-5024*
- Lienard, M.**, see Yusuf, M., *TVT Nov. 2020 12396-12407*
- Lim, C.**, see Shen, D., *TVT Dec. 2020 14674-14688*
- Lim, C.P.**, see Chalak Qazani, M.R., *TVT Nov. 2020 12547-12558*
- Lim, J.**, Lee, K., and Han, Y., Secure Communication With Outdated Channel State Information via Untrusted Relay Capable of Energy Harvesting; *TVT Oct. 2020 11323-11337*
- Lim, S.H.**, see Song, Y., *TVT Sept. 2020 9882-9895*
- Lima, B.K.S.**, da Costa, D.B., Yang, L., Lima, F.R.M., Oliveira, R., and Dias, U.S., Adaptive Power Factor Allocation for Cooperative Full-Duplex NOMA Systems With Imperfect SIC and Rate Fairness; *TVT Nov. 2020 14061-14066*
- Lima, F.R.M.**, see Lima, B.K.S., *TVT Nov. 2020 14061-14066*
- Lin, B.**, see Jiao, Y., *TVT Jan. 2020 920-934*
- Lin, B.**, see Qian, L., *TVT May 2020 5494-5507*
- Lin, B.**, see Zhang, L., *TVT July 2020 7416-7428*
- Lin, C.**, Chen, S., Santoso, P.S., Lin, H., and Lai, S., Real-Time Single-Stage Vehicle Detector Optimized by Multi-Stage Image-Based Online Hard Example Mining; *TVT Feb. 2020 1505-1518*
- Lin, C.**, Han, G., Qi, X., Guizani, M., and Shu, L., A Distributed Mobile Fog Computing Scheme for Mobile Delay-Sensitive Applications in SDN-Enabled Vehicular Networks; *TVT May 2020 5481-5493*
- Lin, D.**, see Zhou, L., *TVT April 2020 3604-3614*
- Lin, D.**, see Chen, J., *TVT Oct. 2020 11353-11368*
- Lin, F.**, see Zhong, Z., *TVT March 2020 2576-2587*
- Lin, F.**, see Xia, S., *TVT July 2020 6856-6868*
- Lin, F.**, see Cao, Y., *TVT Oct. 2020 11139-11151*
- Lin, F.**, see Wang, Q., *TVT Oct. 2020 10809-10819*
- Lin, F.**, see Wang, X., *TVT Dec. 2020 16330-16335*
- Lin, H.**, see Lin, C., *TVT Feb. 2020 1505-1518*
- Lin, H.**, see Lai, W., *TVT March 2020 3202-3216*
- Lin, J.**, and Poor, H.V., A Systematic Approach to Deriving the Covariance Matrix of Correlated Nakagami- m Fading Channels; *TVT Feb. 2020 1612-1625*
- Lin, J.**, see Li, Q., *TVT March 2020 2758-2770*
- Lin, J.**, see Zhang, Y., *TVT April 2020 4388-4400*
- Lin, J.**, Ma, M., Li, Q., and Yang, J., Joint Long-Term Admission Control and Beamforming in Green Downlink Networks: Offline and Online Approaches; *TVT Aug. 2020 8710-8724*
- Lin, J.**, see Shang, J., *TVT Nov. 2020 13148-13164*
- Lin, J.**, Yu, W., Yang, X., Zhao, P., Zhang, H., and Zhao, W., An Edge Computing Based Public Vehicle System for Smart Transportation; *TVT Nov. 2020 12635-12651*
- Lin, K.**, Chen, Y., Liu, Y., and Zhang, B., Reliability Prediction of Battery Management System for Electric Vehicles Based on Accelerated Degradation Test: A Semi-Parametric Approach; *TVT Nov. 2020 12694-12704*
- Lin, M.**, see Guo, K., *TVT Aug. 2020 9053-9067*
- Lin, M.**, see Wang, J., *TVT Aug. 2020 8843-8854*
- Lin, M.**, see Cheng, M., *TVT Nov. 2020 13098-13111*
- Lin, N.**, see Shi, S., *TVT Aug. 2020 8221-8231*
- Lin, P.**, Song, Q., Song, J., Jamalipour, A., and Yu, F.R., Cooperative Caching and Transmission in CoMP-Integrated Cellular Networks Using Reinforcement Learning; *TVT May 2020 5508-5520*
- Lin, P.**, see Nguyen, V., *TVT Sept. 2020 9417-9430*
- Lin, Q.**, Niu, S., Cai, F., Fu, W., and Shang, L., Design and Optimization of a Novel Dual-PM Machine for Electric Vehicle Applications; *TVT Dec. 2020 14391-14400*
- Lin, S.**, see Li, S., *TVT March 2020 3384-3398*
- Lin, S.**, Xu, Y., and Wang, J., Coverage Analysis and Optimization for High-Speed Railway Communication Systems With Narrow-Strip-Shaped Cells; *TVT Oct. 2020 11544-11556*
- Lin, T.**, see Yuan, Q., *TVT Aug. 2020 9041-9052*
- Lin, X.**, see Dong, H., *TVT Feb. 2020 1353-1362*
- Lin, X.**, see Wang, L., *TVT March 2020 2411-2423*
- Lin, X.**, see Pei, H., *TVT July 2020 7159-7171*

- Lin, X.**, see Liu, D., *TVT Dec. 2020 15694-15705*
- Lin, X.**, see Xie, Y., *TVT Dec. 2020 14657-14673*
- Lin, Y.**, see Xia, G., *TVT Feb. 2020 2343-2347*
- Lin, Y.**, see Chien, H., *TVT Feb. 2020 2079-2091*
- Lin, Y.**, see Li, C., *TVT March 2020 3231-3243*
- Lin, Y.**, Tu, Y., and Dou, Z., An Improved Neural Network Pruning Technology for Automatic Modulation Classification in Edge Devices; *TVT May 2020 5703-5706*
- Lin, Y.**, see Tu, Y., *TVT Sept. 2020 10085-10089*
- Lin, Y.**, see Hwang, R., *TVT Oct. 2020 12072-12084*
- Lin, Y.**, Zhang, Z., Huang, Y., Li, J., Shu, F., and Hanzo, L., Heterogeneous User-Centric Cluster Migration Improves the Connectivity-Handover Trade-Off in Vehicular Networks; *TVT Dec. 2020 16027-16043*
- Lin, Z.**, see Zhang, X., *TVT Jan. 2020 317-327*
- Lin, Z.**, see Wang, S., *TVT May 2020 5203-5218*
- Lin, Z.**, see Bai, W., *TVT Aug. 2020 8054-8064*
- Lin, Z.**, see Cao, Y., *TVT Oct. 2020 11139-11151*
- Lin, Z.**, see Wang, X., *TVT Dec. 2020 16330-16335*
- Ling, Z.**, see Wang, T., *TVT Nov. 2020 13400-13409*
- Liou, C.**, see Chen, Y., *TVT Sept. 2020 9304-9314*
- Lipman, J.**, see Tofigh, F., *TVT Jan. 2020 784-792*
- Lipman, J.**, see Saki, M., *TVT Oct. 2020 11937-11949*
- Lishou, C.**, see Sadio, O., *TVT Jan. 2020 842-850*
- List, M.**, see Xiong, J., *TVT Sept. 2020 9528-9541*
- Liu, B.**, see Huang, J., *TVT June 2020 6739-6754*
- Liu, B.**, Zhang, W., Chen, W., Huang, H., and Guo, S., Online Computation Offloading and Traffic Routing for UAV Swarms in Edge-Cloud Computing; *TVT Aug. 2020 8777-8791*
- Liu, B.**, Matsushita, S., and Xu, L., DOA Estimation With Small Snapshots Using Weighted Mixed Norm Based on Spatial Filter; *TVT Dec. 2020 16183-16187*
- Liu, B.**, Ni, W., Liu, R.P., and Zhu, H., Optimal Selection of Heterogeneous Network Interfaces for High-Speed Rail Communications; *TVT Dec. 2020 15005-15018*
- Liu, C.**, see Cheng, J., *TVT April 2020 4246-4256*
- Liu, C.**, see Xie, J., *TVT May 2020 5307-5319*
- Liu, C.**, and Zhao, H., Efficient DOA Estimation Method Using Bias-Compensated Adaptive Filtering; *TVT Nov. 2020 13087-13097*
- Liu, C.**, Zhang, Y., Zhang, T., Wu, X., Gao, L., and Zhang, Q., High Throughput Vehicle Coordination Strategies at Road Intersections; *TVT Dec. 2020 14341-14354*
- Liu, D.**, see Wang, B., *TVT Jan. 2020 1070-1074*
- Liu, D.**, see Shen, J., *TVT Jan. 2020 807-817*
- Liu, D.**, see Wu, W., *TVT Jan. 2020 361-376*
- Liu, D.**, Hafid, A., and Khoukhi, L., Multi-Item Auction Based Mechanism for Mobile Data Offloading: A Robust Optimization Approach; *TVT April 2020 4155-4168*
- Liu, D.**, see Xiang, H., *TVT May 2020 5068-5078*
- Liu, D.**, see Zeng, F., *TVT July 2020 7634-7647*
- Liu, D.**, see Yin, F., *TVT Oct. 2020 12058-12071*
- Liu, D.**, Ni, J., Lin, X., and Shen, X., Transparent and Accountable Vehicular Local Advertising With Practical Blockchain Designs; *TVT Dec. 2020 15694-15705*
- Liu, E.**, see Ma, H., *TVT March 2020 3449-3453*
- Liu, E.**, see Qu, X., *TVT April 2020 4426-4438*
- Liu, F.**, see Gui, G., *TVT Jan. 2020 140-150*
- Liu, F.**, Zhu, H., Li, C., Li, J., Wang, P., and Orlik, P.V., Angular-Domain Channel Estimation for One-Bit Massive MIMO Systems: Performance Bounds and Algorithms; *TVT March 2020 2928-2942*
- Liu, F.**, see Gui, G., *TVT May 2020 4817-4826*
- Liu, F.**, see Tang, G., *TVT June 2020 5889-5900*
- Liu, G.**, see Yan, X., *TVT March 2020 2836-2849*
- Liu, G.**, see Xu, L., *TVT July 2020 7104-7115*
- Liu, G.**, Bala, E., Li, L., and Cimini, L.J., Outage Analysis for MISO Zero-Forcing Precoding With Outdated CSI; *TVT Aug. 2020 9152-9156*
- Liu, G.**, Pan, Y.M., and Zhang, X.Y., Compact Filtering Patch Antenna Arrays for Marine Communications; *TVT Oct. 2020 11408-11418*
- Liu, H.**, Qiu, T., Zhou, X., Chen, C., and Chen, N., Parking-Area-Assisted Spider-Web Routing Protocol for Emergency Data in Urban VANET; *TVT Jan. 2020 971-982*
- Liu, H.**, Ma, J., Xu, T., Yan, W., Ma, L., and Zhang, X., Vehicle Detection and Classification Using Distributed Fiber Optic Acoustic Sensing; *TVT Feb. 2020 1363-1374*
- Liu, H.**, Zhang, J., Zhang, X., Kurniawan, A., Juhana, T., and Ai, B., Tabu-Search-Based Pilot Assignment for Cell-Free Massive MIMO Systems; *TVT Feb. 2020 2286-2290*
- Liu, H.**, see Li, C., *TVT March 2020 3231-3243*
- Liu, H.**, Zhang, P., Pu, G., Yang, T., Maharjan, S., and Zhang, Y., Blockchain Empowered Cooperative Authentication With Data Traceability in Vehicular Edge Computing; *TVT April 2020 4221-4232*
- Liu, H.**, see Yao, H., *TVT June 2020 6718-6730*
- Liu, H.**, see Wu, L., *TVT June 2020 6803-6807*
- Liu, H.**, Ma, T., Lewis, F.L., and Valavanis, K.P., Robust Time-Varying Formation Control for a Set of Quad-Copters With Switching Interaction Communication Topology; *TVT July 2020 6880-6890*
- Liu, H.**, Zhang, J., Jin, S., and Ai, B., Graph Coloring Based Pilot Assignment for Cell-Free Massive MIMO Systems; *TVT Aug. 2020 9180-9184*
- Liu, H.**, see Sama, K., *TVT Sept. 2020 9315-9329*
- Liu, H.**, He, J., Gupta, S., Rajan, D., and Camp, J., FIT: On-the-Fly, In-Situ Training for SNR-Based Rate Selection; *TVT Oct. 2020 11295-11307*
- Liu, J.**, see Rahim, M.A., *TVT Jan. 2020 163-171*
- Liu, J.**, see Bai, L., *TVT Jan. 2020 497-508*
- Liu, J.**, see Yang, N., *TVT Jan. 2020 876-886*
- Liu, J.**, see Sheng, M., *TVT Jan. 2020 509-521*
- Liu, J.**, see Zhang, J., *TVT Feb. 2020 2092-2104*
- Liu, J.**, see Wang, D., *TVT March 2020 2915-2927*
- Liu, J.**, see Zhang, H., *TVT April 2020 4450-4459*
- Liu, J.**, Gao, P., Liao, W., and Zeng, J., An Integrated Energy Storage System With Voltage Balancing Based on Switched-Capacitor Reutilization Techniques; *TVT Aug. 2020 8356-8366*
- Liu, J.**, see Jiang, S., *TVT Sept. 2020 10252-10263*
- Liu, J.**, Tseng, H., and Chan, C., Introduction to the Special Section on Connected and Autonomous Vehicles: Technologies, Methodologies, and Applications; *TVT Sept. 2020 9251-9252*
- Liu, J.**, see Wang, X., *TVT Sept. 2020 9497-9508*
- Liu, J.**, see Hong, L., *TVT Sept. 2020 10177-10187*
- Liu, J.**, see Pu, Q., *TVT Oct. 2020 10656-10667*
- Liu, J.**, see Fang, Z., *TVT Dec. 2020 15314-15324*
- Liu, J.**, see Khan, W.U., *TVT Dec. 2020 15284-15297*
- Liu, J.**, see Chen, W., *TVT Dec. 2020 15867-15879*
- Liu, K.**, see Dai, P., *TVT July 2020 7821-7834*
- Liu, K.**, see Wang, Y., *TVT Aug. 2020 8176-8191*
- Liu, K.**, see Wu, T., *TVT Aug. 2020 8243-8256*
- Liu, K.**, see Wu, J., *TVT Nov. 2020 12786-12796*
- Liu, K.**, Yang, Z., Tang, X., and Cao, W., Automotive Battery Equalizers Based on Joint Switched-Capacitor and Buck-Boost Converters; *TVT Nov. 2020 12716-12724*
- Liu, L.**, see Zhang, J., *TVT July 2020 7940-7954*
- Liu, L.**, see Han, G., *TVT Aug. 2020 8959-8971*
- Liu, L.**, see Zhou, T., *TVT Aug. 2020 8107-8118*
- Liu, L.**, Wen, X., Wang, L., Lu, Z., Jing, W., and Chen, Y., Incentive-Aware Recruitment of Intelligent Vehicles for Edge-Assisted Mobile Crowdsensing; *TVT Oct. 2020 12085-12097*
- Liu, L.**, see Wang, Z., *TVT Dec. 2020 15357-15369*
- Liu, L.**, Dai, N., Lao, K.W., and Hua, W., A Co-Phase Traction Power Supply System Based on Asymmetric Three-Leg Hybrid Power Quality Conditioner; *TVT Dec. 2020 14645-14656*
- Liu, M.**, see Peng, L., *TVT Jan. 2020 1091-1095*
- Liu, M.**, see Wu, W., *TVT Jan. 2020 361-376*
- Liu, M.**, Wan, Y., Li, S., Lewis, F.L., and Fu, S., Learning and Uncertainty-Exploited Directional Antenna Control for Robust Long-Distance and Broad-Band Aerial Communication; *TVT Jan. 2020 593-606*

- Liu, M., Li, Y., Sixel, W., and Sarlioglu, B., Design and Testing of Low Pole Dual-Stator Flux-Switching Permanent Magnet Machine for Electric Vehicle Applications; *TVT Feb. 2020 1464-1472*
- Liu, M., see Wang, J., *TVT March 2020 2487-2500*
- Liu, M., see Wang, Y., *TVT March 2020 3491-3495*
- Liu, M., see Yan, P., *TVT July 2020 7473-7482*
- Liu, M., see Li, Y., *TVT July 2020 7493-7502*
- Liu, M., see Chen, Y., *TVT July 2020 7847-7862*
- Liu, M., see Lu, Y., *TVT Aug. 2020 8459-8467*
- Liu, M., see Xu, H., *TVT Sept. 2020 10127-10139*
- Liu, M., see Sun, J., *TVT Sept. 2020 10375-10379*
- Liu, P., see Yu, H., *TVT April 2020 3680-3692*
- Liu, P., see Li, Y., *TVT May 2020 4920-4934*
- Liu, P., Wang, C., Hu, J., Fu, T., Cheng, N., Zhang, N., and Shen, X., Joint Route Selection and Charging Discharging Scheduling of EVs in V2G Energy Network; *TVT Oct. 2020 10630-10641*
- Liu, P., Li, Y., Cheng, W., Gao, X., and Zhang, W., Multi-Beam NOMA for Millimeter-Wave Massive MIMO With Lens Antenna Array; *TVT Oct. 2020 11570-11583*
- Liu, P., see Li, Y., *TVT Dec. 2020 15800-15814*
- Liu, Q., Guo, L., Gao, B., Ye, K., Chen, H., and Guo, H., Coordinate Receding Horizon Control for the Power-Shift Process of Multispeed Electric Vehicles; *TVT Jan. 2020 1055-1059*
- Liu, Q., see Fang, W., *TVT March 2020 3330-3340*
- Liu, Q., Shi, L., Sun, L., Li, J., Ding, M., and Shu, F.S., Path Planning for UAV-Mounted Mobile Edge Computing With Deep Reinforcement Learning; *TVT May 2020 5723-5728*
- Liu, Q., see Du, P., *TVT June 2020 6067-6078*
- Liu, Q., Chuai, G., Wang, J., and Pan, J., Proactive Mobility Management With Trajectory Prediction Based on Virtual Cells in Ultra-Dense Networks; *TVT Aug. 2020 8832-8842*
- Liu, Q., Xu, J., Ding, Z., and So, H.C., Target Localization With Jammer Removal Using Frequency Diverse Array; *TVT Oct. 2020 11685-11696*
- Liu, Q., Xu, S., Lu, C., Yao, H., and Chen, H., Early Recognition of Driving Intention for Lane Change Based on Recurrent Hidden Semi-Markov Model; *TVT Oct. 2020 10545-10557*
- Liu, R., see Zhou, L., *TVT April 2020 3604-3614*
- Liu, R., see Yue, X., *TVT June 2020 6818-6821*
- Liu, R.P., see Hu, Z., *TVT Jan. 2020 349-360*
- Liu, R.P., see Yuan, X., *TVT Aug. 2020 8792-8804*
- Liu, R.P., see Yuan, C., *TVT Sept. 2020 10019-10032*
- Liu, R.P., see Liu, B., *TVT Dec. 2020 15005-15018*
- Liu, S., see Jiang, W., *TVT April 2020 4439-4449*
- Liu, S., Gao, Z., Zhang, J., Renzo, M.D., and Alouini, M., Deep Denoising Neural Network Assisted Compressive Channel Estimation for mmWave Intelligent Reflecting Surfaces; *TVT Aug. 2020 9223-9228*
- Liu, S., see Hu, X., *TVT Sept. 2020 9849-9865*
- Liu, S., Reviriego, P., Montuschi, P., and Lombardi, F., Error-Tolerant Computation for Voting Classifiers With Multiple Classes; *TVT Nov. 2020 13718-13727*
- Liu, S., see Qu, Q., *TVT Dec. 2020 15035-15045*
- Liu, T., see Lu, J., *TVT Sept. 2020 10090-10102*
- Liu, T., see Su, C., *TVT Nov. 2020 13686-13701*
- Liu, W., Feng, Q., Pang, J., Hu, Q., Yin, R., and Yu, G., Robust Rate-Maximization Preorder Design for VFD System; *TVT March 2020 2747-2757*
- Liu, W., see Zeng, F., *TVT July 2020 7634-7647*
- Liu, W., see Zhao, P., *TVT Oct. 2020 11909-11925*
- Liu, W., see Zhang, J., *TVT Oct. 2020 11220-11232*
- Liu, W., see Xiong, L., *TVT Oct. 2020 10668-10680*
- Liu, W., see Watanabe, Y., *TVT Nov. 2020 13646-13657*
- Liu, W., Watanabe, Y., and Shoji, Y., Vehicle-Assisted Data Delivery in Smart City: A Deep Learning Approach; *TVT Nov. 2020 13849-13860*
- Liu, W., see Wang, X., *TVT Nov. 2020 13216-13228*
- Liu, W., Chen, D., Schwarz, S., Rupp, M., and Jiang, T., Preamble Power Optimization Based on Intrinsic Interference Utilization for OQAM/FBMC Channel Estimation; *TVT Nov. 2020 13556-13566*
- Liu, W., Xu, Y., and Feng, X., A Hierarchical and Flexible Data-Driven Method for Online State-of-Health Estimation of Li-Ion Battery; *TVT Dec. 2020 14739-14748*
- Liu, X., see Anand, K., *TVT Feb. 2020 1679-1694*
- Liu, X., Zhang, L., Xiong, J., Zhang, X., Zhou, L., and Wei, J., Peak-to-Average Power Ratio Analysis for OFDM-Based Mixed-Numerology Transmissions; *TVT Feb. 2020 1802-1812*
- Liu, X., Chen, H., Peng, M., and Yang, F., Identical Code Cyclic Shift Multiple Access—A Bridge Between CDMA and NOMA; *TVT March 2020 2878-2890*
- Liu, X., see Han, C., *TVT May 2020 5331-5342*
- Liu, X., see Zhang, H., *TVT May 2020 5467-5480*
- Liu, X., see Wu, Z., *TVT May 2020 5244-5254*
- Liu, X., see Ma, Z., *TVT June 2020 5836-5849*
- Liu, X., see Mao, Z., *TVT June 2020 6463-6472*
- Liu, X., see Chen, Z., *TVT July 2020 7692-7706*
- Liu, X., see Zheng, K., *TVT July 2020 7545-7557*
- Liu, X., Liu, Y., Chen, Y., and Hanzo, L., Enhancing the Fuel-Economy of V2I-Assisted Autonomous Driving: A Reinforcement Learning Approach; *TVT Aug. 2020 8329-8342*
- Liu, X., see Li, X., *TVT Aug. 2020 8820-8831*
- Liu, X., Xiao, H., and Chronopoulos, A.T., Joint Mode Selection and Power Control for Interference Management in D2D-Enabled Heterogeneous Cellular Networks; *TVT Sept. 2020 9707-9719*
- Liu, X., see Wang, X., *TVT Oct. 2020 11515-11528*
- Liu, X., see Chen, D., *TVT Oct. 2020 10642-10655*
- Liu, X., see Dai, C., *TVT Oct. 2020 11169-11178*
- Liu, X., see Wang, L., *TVT Nov. 2020 13033-13044*
- Liu, X., see Sun, J., *TVT Nov. 2020 12938-12950*
- Liu, X., see Wen, S., *TVT Dec. 2020 16057-16066*
- Liu, X., Zhou, Q., Cheng, C., Wu, J., Wang, X., and Fan, L., An ω -Free Gyro-Free Accelerometer Pair Algorithm for 2D Trajectory Reconstruction; *TVT Dec. 2020 16173-16177*
- Liu, X., see Zeng, Q., *TVT Dec. 2020 16282-16287*
- Liu, X., see Yu, J., *TVT Dec. 2020 14277-14289*
- Liu, X., see Guo, W., *TVT Dec. 2020 14510-14522*
- Liu, Y., see Pan, Z., *TVT April 2020 3641-3653*
- Liu, Y., see Huang, C., *TVT April 2020 3628-3640*
- Liu, Y., see Saleem, U., *TVT April 2020 4472-4486*
- Liu, Y., Chin, K., and Yang, C., Uplinks Schedulers for RF-Energy Harvesting Networks With Imperfect CSI; *TVT April 2020 4233-4245*
- Liu, Y., see You, L., *TVT May 2020 5693-5697*
- Liu, Y., see Chen, D., *TVT May 2020 5634-5646*
- Liu, Y., see Li, J., *TVT June 2020 6011-6024*
- Liu, Y., see Yue, X., *TVT June 2020 6818-6821*
- Liu, Y., see Shi, Z., *TVT June 2020 6275-6285*
- Liu, Y., see Ma, Z., *TVT June 2020 5836-5849*
- Liu, Y., see Cheng, K., *TVT July 2020 7116-7130*
- Liu, Y., Wang, W., Chen, H., Wang, L., Cheng, N., Meng, W., and Shen, X., Secrecy Rate Maximization via Radio Resource Allocation in Cellular Underlying V2V Communications; *TVT July 2020 7281-7294*
- Liu, Y., see Hou, T., *TVT July 2020 7558-7568*
- Liu, Y., see Zou, J., *TVT July 2020 7092-7103*
- Liu, Y., see Liu, X., *TVT Aug. 2020 8329-8342*
- Liu, Y., see Nakamura, A., *TVT Sept. 2020 9253-9264*
- Liu, Y., see Wang, C., *TVT Sept. 2020 9624-9633*
- Liu, Y., Yang, L., and Hanzo, L., Joint User-Activity and Data Detection for Grant-Free Spatial-Modulated Multi-Carrier Non-Orthogonal Multiple Access; *TVT Oct. 2020 11673-11684*
- Liu, Y., Wang, Y., Wang, J., and Shen, Y., Distributed 3D Relative Localization of UAVs; *TVT Oct. 2020 11756-11770*
- Liu, Y., see Liu, Z., *TVT Oct. 2020 11192-11205*
- Liu, Y., Liao, G., Chen, Y., Xu, J., and Yin, Y., Super-Resolution Range and Velocity Estimations With OFDM Integrated Radar and Communications Waveform; *TVT Oct. 2020 11659-11672*
- Liu, Y., see Jiang, W., *TVT Oct. 2020 10519-10530*
- Liu, Y., see Li, X., *TVT Oct. 2020 12286-12290*

- Liu, Y.,** Yang, L., and Hanzo, L., Sparse Space-Time-Frequency-Domain Spreading for Large-Scale Non-Orthogonal Multiple Access; *TVT Oct. 2020 12327-12332*
- Liu, Y.,** see Gao, D., *TVT Oct. 2020 11179-11191*
- Liu, Y.,** see Chang, X., *TVT Oct. 2020 10435-10445*
- Liu, Y.,** Xie, S., and Zhang, Y., Cooperative Offloading and Resource Management for UAV-Enabled Mobile Edge Computing in Power IoT System; *TVT Oct. 2020 12229-12239*
- Liu, Y.,** see Chen-Hu, K., *TVT Oct. 2020 11281-11294*
- Liu, Y.,** see Xiang, L., *TVT Nov. 2020 13921-13926*
- Liu, Y.,** see Zhang, T., *TVT Nov. 2020 12897-12911*
- Liu, Y.,** see Lin, K., *TVT Nov. 2020 12694-12704*
- Liu, Y.,** see Zhai, C., *TVT Nov. 2020 12559-12569*
- Liu, Y.,** see Xue, Q., *TVT Dec. 2020 14765-14779*
- Liu, Y.,** Xie, S., Yang, Q., and Zhang, Y., Joint Computation Offloading and Demand Response Management in Mobile Edge Network With Renewable Energy Sources; *TVT Dec. 2020 15720-15730*
- Liu, Y.,** see Yang, C., *TVT Dec. 2020 15988-16000*
- Liu, Y.,** Feng, G., Sun, Y., Qin, S., and Liang, Y., Device Association for RAN Slicing Based on Hybrid Federated Deep Reinforcement Learning; *TVT Dec. 2020 15731-15745*
- Liu, Z.,** see Anand, K., *TVT Feb. 2020 1679-1694*
- Liu, Z.,** see Jiang, K., *TVT Feb. 2020 2291-2295*
- Liu, Z.,** see Li, X., *TVT March 2020 3105-3118*
- Liu, Z.,** see Zhang, X., *TVT March 2020 3296-3309*
- Liu, Z.,** see Huang, J., *TVT June 2020 6739-6754*
- Liu, Z.,** see Xu, Z., *TVT June 2020 6299-6309*
- Liu, Z.,** Wang, W., Chan, K.Y., Ma, K., and Guan, X., Rate Maximization for Hybrid Access Femtocell Networks With Outage Constraints Based on Pricing Incentive Mechanism; *TVT June 2020 6699-6708*
- Liu, Z.,** see Song, Y., *TVT June 2020 5958-5967*
- Liu, Z.,** see Mheich, Z., *TVT July 2020 8018-8022*
- Liu, Z.,** see Wu, J., *TVT Aug. 2020 8343-8355*
- Liu, Z.,** Zhang, L., Wu, Z., and Jiang, Y., Energy Efficient Parallel Concatenated Index Modulation and M-ary PSK Aided OFDM-DCSK Communications With QoS Consideration; *TVT Sept. 2020 9469-9482*
- Liu, Z.,** see Yuan, Y., *TVT Sept. 2020 9279-9291*
- Liu, Z.,** see Hu, X., *TVT Sept. 2020 9849-9865*
- Liu, Z.,** see Zhou, P., *TVT Oct. 2020 12187-12201*
- Liu, Z.,** Wang, S., Liu, Y., Wang, Y., Guan, X., and Niyato, D., Robust Secure Transmission and Power Transfer in Heterogeneous Networks With Confidential Information; *TVT Oct. 2020 11192-11205*
- Liu, Z.,** see Noor-A-Rahim, M., *TVT Oct. 2020 12277-12280*
- Liu, Z.,** see Ma, F., *TVT Nov. 2020 14007-14012*
- Liu, Z.,** see Xie, Y., *TVT Nov. 2020 13673-13685*
- Liu, Z.,** Lu, G., Ye, Y., and Chu, X., System Outage Probability of PS-SWIPT Enabled Two-Way AF Relaying With Hardware Impairments; *TVT Nov. 2020 13532-13545*
- Liu, Z.,** see Chen, Y., *TVT Dec. 2020 14602-14617*
- Liu, Z.,** Song, H., and Pan, D., Distributed Video Content Caching Policy With Deep Learning Approaches for D2D Communication; *TVT Dec. 2020 15644-15655*
- Lloret, J.,** see J. Darwish, T.S., *TVT July 2020 6869-6879*
- Lombardi, F.,** see Liu, S., *TVT Nov. 2020 13718-13727*
- Long, G.,** see Zhang, G., *TVT Oct. 2020 12015-12030*
- Long, K.,** see Yang, N., *TVT Jan. 2020 876-886*
- Long, Y.,** see Ju, H., *TVT Dec. 2020 15325-15334*
- Lopes, A.,** and Araujo, R.E., Active Fault Diagnosis Method for Vehicles in Platoon Formation; *TVT April 2020 3590-3603*
- Lopez, C.F.,** and Wang, C., A Study of 2D Non-Stationary Massive MIMO Channels by Transformation of Delay and Angular Power Spectral Densities; *TVT Dec. 2020 14212-14224*
- Lopez-Fernandez, J.,** and Lopez-Martinez, F.J., New Results on the Second Order Scattering Fading Model: Amount of Fading and Energy Detection; *TVT Jan. 2020 1037-1040*
- Lopez-Fernandez, J.,** Fernandez-Plazaola, U., Paris, J.F., Diez, L., and Martos-Naya, E., Wideband Ultrasonic Acoustic Underwater Channels: Measurements and Characterization; *TVT April 2020 4019-4032*
- Lopez-Martinez, F.J.,** see Lopez-Fernandez, J., *TVT Jan. 2020 1037-1040*
- Lopez-Martinez, F.J.,** see Sanchez, J.D.V., *TVT Dec. 2020 15137-15148*
- Lorenz, P.,** see Sutrala, A.K., *TVT May 2020 5535-5548*
- Lorenz, P.,** see Tangade, S., *TVT May 2020 5232-5243*
- Lorenz, P.,** see Bera, B., *TVT Aug. 2020 9097-9111*
- Lorenz, P.,** see Oubbati, O.S., *TVT Dec. 2020 14523-14536*
- Lot, R.,** see Chen, B., *TVT May 2020 4894-4906*
- Lou, W.,** see Yang, C., *TVT Dec. 2020 15988-16000*
- Lou, X.,** see Dai, Z., *TVT Oct. 2020 12031-12042*
- Low, K.H.,** see Wu, Y., *TVT June 2020 6782-6787*
- Lu, C.,** see Liu, Q., *TVT Oct. 2020 10545-10557*
- Lu, C.,** see Li, Z., *TVT Nov. 2020 12497-12509*
- Lu, C.,** see Horng, S., *TVT Dec. 2020 15933-15946*
- Lu, G.,** see Ye, Y., *TVT Aug. 2020 8938-8948*
- Lu, G.,** see Liu, Z., *TVT Nov. 2020 13532-13545*
- Lu, H.,** see Wu, H., *TVT July 2020 7663-7678*
- Lu, H.,** see Gu, Z., *TVT Aug. 2020 9068-9082*
- Lu, H.,** Chang, L., and Hung, H., Partial Tree Search Assisted Symbol Detection for Massive MIMO Systems; *TVT Nov. 2020 13319-13327*
- Lu, H.,** see Wen, S., *TVT Dec. 2020 16057-16066*
- Lu, H.,** Xie, X., Shi, Z., and Cai, J., Outage Performance of CDF-Based Scheduling in Downlink and Uplink NOMA Systems; *TVT Dec. 2020 14945-14959*
- Lu, J.,** Xin, Y., Zhang, Z., Wu, F., and Han, J., Online Rating Protocol Using Endogenous and Incremental Learning Design for Mobile Crowdsensing; *TVT March 2020 3190-3201*
- Lu, J.,** Wang, Y., Liu, T., Zhuang, Z., Zhou, X., Shu, F., and Han, Z., UAV-Enabled Uplink Non-Orthogonal Multiple Access System: Joint Deployment and Power Control; *TVT Sept. 2020 10090-10102*
- Lu, J.,** see Han, S., *TVT Oct. 2020 10772-10786*
- Lu, J.,** see Wang, Y., *TVT Dec. 2020 16309-16313*
- Lu, K.,** see Zhao, F., *TVT Jan. 2020 101-113*
- Lu, K.,** Zeng, G., Luo, X., Weng, J., Zhang, Y., and Li, M., An Adaptive Resilient Load Frequency Controller for Smart Grids With DoS Attacks; *TVT May 2020 4689-4699*
- Lu, M.,** see Kumar, G.V., *TVT May 2020 5012-5024*
- Lu, R.,** see Jiang, W., *TVT April 2020 4439-4449*
- Lu, R.,** see Huang, C., *TVT May 2020 4869-4882*
- Lu, R.,** see Li, H., *TVT June 2020 5732-5735*
- Lu, S.,** see Pan, Z., *TVT April 2020 3641-3653*
- Lu, W.,** see Zhao, N., *TVT April 2020 3994-4005*
- Lu, X.,** Xiao, L., Xu, T., Zhao, Y., Tang, Y., and Zhuang, W., Reinforcement Learning Based PHY Authentication for VANETs; *TVT March 2020 3068-3079*
- Lu, X.,** see Song, Y., *TVT June 2020 5958-5967*
- Lu, X.,** see Li, G., *TVT Aug. 2020 9190-9195*
- Lu, X.,** see Li, H., *TVT Sept. 2020 10214-10226*
- Lu, X.,** Yang, W., Guan, X., and Cai, Y., DCE-Based Secure Transmission for Massive MIMO Relay System Against Active Eavesdropper; *TVT Nov. 2020 13045-13059*
- Lu, X.,** Lamare, R.C.d., Opportunistic Relaying and Jamming Based on Secrecy-Rate Maximization for Multiuser Buffer-Aided Relay Systems; *TVT Dec. 2020 15269-15283*
- Lu, X.,** see Guruacharya, S., *TVT Dec. 2020 16197-16201*
- Lu, Y.,** Huang, X., Zhang, K., Maharjan, S., and Zhang, Y., Blockchain Empowered Asynchronous Federated Learning for Secure Data Sharing in Internet of Vehicles; *TVT April 2020 4298-4311*
- Lu, Y.,** see Zhang, Z., *TVT June 2020 6264-6274*
- Lu, Y.,** Wang, J., Liu, M., Zhang, K., Gui, G., Ohtsuki, T., and Adachi, F., Semi-Supervised Machine Learning Aided Anomaly Detection Method in Cellular Networks; *TVT Aug. 2020 8459-8467*
- Lu, Y.,** see Xiong, L., *TVT Oct. 2020 10668-10680*
- Lu, Y.,** see Zheng, X., *TVT Nov. 2020 14099-14103*

- Lu, Y.**, Li, J., He, F., and Miao, L., Global Synchronous Optimization Including Intake Valves and Exhaust Valves Based on MODM Strategy; *TVT Dec. 2020 14858-14868*
- Lu, Z.**, see Hu, Z., *TVT Jan. 2020 349-360*
- Lu, Z.**, see Liu, L., *TVT Oct. 2020 12085-12097*
- Luan, T.H.**, see Li, J., *TVT March 2020 3267-3279*
- Luan, T.H.**, see Fu, Y., *TVT June 2020 5876-5888*
- Luan, T.H.**, see Hui, Y., *TVT Dec. 2020 16044-16056*
- Luan, Z.**, Zhang, J., Zhao, W., and Wang, C., Trajectory Tracking Control of Autonomous Vehicle With Random Network Delay; *TVT Aug. 2020 8140-8150*
- Luk, K.**, see Li, A., *TVT May 2020 5142-5150*
- Lukic, S.M.**, see Feng, H., *TVT April 2020 3728-3739*
- Luna-Rivera, J.M.**, see Diaz-Ibarra, M.A., *TVT Oct. 2020 11992-12003*
- Lung, C.**, see Zhang, Z., *TVT July 2020 7955-7965*
- Luo, B.**, Li, X., Weng, J., Guo, J., and Ma, J., Blockchain Enabled Trust-Based Location Privacy Protection Scheme in VANET; *TVT Feb. 2020 2034-2048*
- Luo, B.**, see Li, Y., *TVT May 2020 4920-4934*
- Luo, C.**, see Zhan, W., *TVT March 2020 3341-3356*
- Luo, F.**, see Zhai, C., *TVT Nov. 2020 12559-12569*
- Luo, G.**, see Yuan, Q., *TVT Aug. 2020 9041-9052*
- Luo, H.**, see Cheng, C., *TVT Sept. 2020 9566-9576*
- Luo, H.**, see Zhang, Z., *TVT Nov. 2020 13521-13531*
- Luo, J.**, see Xie, N., *TVT March 2020 2771-2784*
- Luo, J.**, see Chen, J., *TVT July 2020 7146-7158*
- Luo, J.**, Wang, H., Wang, F., and Wang, S., Secure Spatial Modulation via Radio Frequency Mirrors; *TVT Aug. 2020 9168-9173*
- Luo, L.**, see Guan, Y., *TVT Nov. 2020 12597-12608*
- Luo, Q.**, see Wen, L., *TVT May 2020 5193-5202*
- Luo, Q.**, see Zhang, J., *TVT Oct. 2020 11220-11232*
- Luo, Q.**, see Xu, R., *TVT Oct. 2020 11857-11867*
- Luo, S.**, Yang, P., Che, Y.L., and Wu, K., Space-Domain Index Modulation for mmWave Cloud Radio Access Networks; *TVT June 2020 6215-6229*
- Luo, S.**, Yang, P., Che, Y.L., Wu, K., Peng, Y., and Li, S., Generalized Space Domain Index Modulation for mmWave Distributed Antenna Systems; *TVT Nov. 2020 14067-14071*
- Luo, X.**, see Fan, J., *TVT Jan. 2020 1111-1116*
- Luo, X.**, see Yang, F., *TVT March 2020 3034-3047*
- Luo, X.**, see Jiang, W., *TVT April 2020 4439-4449*
- Luo, X.**, see Lu, K., *TVT May 2020 4689-4699*
- Luo, X.**, see Yan, J., *TVT Aug. 2020 8855-8870*
- Luo, X.**, Chen, H., and Meng, W., How Much Can Radio Resource Allocation Help to Improve Secrecy Capacity of V2V Underlay Cellular Networks?; *TVT Dec. 2020 14932-14944*
- Luo, Y.**, Zhang, J.A., Huang, X., Ni, W., and Pan, J., Multibeam Optimization for Joint Communication and Radio Sensing Using Analog Antenna Arrays; *TVT Oct. 2020 11000-11013*
- Luo, Y.**, and Chin, K., Learning to Bond in Dense WLANs With Random Traffic Demands; *TVT Oct. 2020 11868-11879*
- Lv, B.**, see Huang, S., *TVT July 2020 7735-7750*
- Lv, C.**, see Xing, Y., *TVT Feb. 2020 1341-1352*
- Lv, C.**, see Wu, Y., *TVT June 2020 6782-6787*
- Lv, C.**, see Wang, H., *TVT Aug. 2020 8164-8175*
- Lv, C.**, see Hang, P., *TVT Dec. 2020 14458-14469*
- Lv, T.**, see Wang, S., *TVT May 2020 5203-5218*
- Lv, T.**, see Cao, Y., *TVT Oct. 2020 11139-11151*
- Lv, T.**, see Makhanbet, M., *TVT Oct. 2020 11529-11543*
- Lv, X.**, Li, Y., Wu, Y., and Liang, H., Kalman Filter Based Recursive Estimation of Slowly Fading Sparse Channel in Impulsive Noise Environment for OFDM Systems; *TVT March 2020 2828-2835*
- Lv, Z.**, Wu, Y., and Rui, W., Nonlinear Motion Control for a Quadrotor Transporting a Cable-Suspended Payload; *TVT Aug. 2020 8192-8206*
- Lv, Z.**, see Feng, C., *TVT Nov. 2020 13784-13795*
- Lyons, O.**, Hanif, M.F., Juntti, M., and Tran, L., Fast Adaptive Minorization-Maximization Procedure for Beamforming Design of Downlink NOMA Systems; *TVT July 2020 8023-8027*
- Lyu, B.**, see Tian, F., *TVT April 2020 4130-4141*
- Lyu, F.**, see Wu, F., *TVT Jan. 2020 901-913*
- Lyu, F.**, see Xue, H., *TVT April 2020 4142-4154*
- Lyu, F.**, see Ren, J., *TVT Aug. 2020 8900-8913*
- Lyu, F.**, see Chen, J., *TVT Sept. 2020 10291-10305*
- Lyu, F.**, see Gao, M., *TVT Sept. 2020 9643-9655*
- Lyu, L.**, see Sun, R., *TVT Jan. 2020 636-650*
- Lyu, L.**, see Sun, R., *TVT Aug. 2020 8529-8541*
- Lyu, L.**, Chen, C., Cheng, N., Zhu, S., Guan, X., and Shen, X., NOMA-Assisted On-Demand Transmissions for Monitoring Applications in Industrial IoT Networks; *TVT Oct. 2020 12264-12276*
- Lyu, S.**, see He, H., *TVT Aug. 2020 9196-9200*

M

- M. Tome, P.**, see Sanson, J.B., *TVT Nov. 2020 13112-13123*
- Ma, C.**, see Wang, L., *TVT March 2020 2411-2423*
- Ma, F.**, Wang, J., Zhu, S., Gelbal, S.Y., Yang, Y., Aksun-Guvenc, B., and Guvenc, L., Distributed Control of Cooperative Vehicular Platoon With Nonideal Communication Condition; *TVT Aug. 2020 8207-8220*
- Ma, F.**, Liu, Z., and Guo, F., Distributed Direct Position Determination; *TVT Nov. 2020 14007-14012*
- Ma, H.**, Cai, G., Fang, Y., Chen, P., and Chen, G., Design of a Superposition Coding PPM-DCSK System for Downlink Multi-User Transmission; *TVT Feb. 2020 1666-1678*
- Ma, H.**, see Wang, H., *TVT Feb. 2020 2219-2229*
- Ma, H.**, Liu, E., Wang, R., Yin, X., Xu, Z., Qu, X., and Li, B., Antenna Optimization for Decode-and-Forward Relay in Magnetic Induction Communications; *TVT March 2020 3449-3453*
- Ma, H.**, see Qu, X., *TVT April 2020 4426-4438*
- Ma, J.**, see Liu, H., *TVT Feb. 2020 1363-1374*
- Ma, J.**, see Luo, B., *TVT Feb. 2020 2034-2048*
- Ma, J.**, see Gao, S., *TVT June 2020 5784-5798*
- Ma, J.**, see Jiang, Q., *TVT Sept. 2020 9390-9401*
- Ma, K.**, see Zhao, P., *TVT May 2020 5164-5178*
- Ma, K.**, see Liu, Z., *TVT June 2020 6699-6708*
- Ma, L.**, see Liu, H., *TVT Feb. 2020 1363-1374*
- Ma, M.**, see Zhang, X., *TVT Jan. 2020 317-327*
- Ma, M.**, see Lin, J., *TVT Aug. 2020 8710-8724*
- Ma, M.**, Duan, Q., Zhao, C., Wang, Q., and Sun, J., Faulty Characteristics and Identification of Increased Connecting and Internal Resistance in Parallel-Connected Lithium-Ion Battery Pack for Electric Vehicles; *TVT Oct. 2020 10797-10808*
- Ma, M.**, see Zhang, J., *TVT Dec. 2020 14713-14726*
- Ma, Q.**, see Sun, J., *TVT Dec. 2020 14141-14149*
- Ma, R.**, Cao, J., Feng, D., Li, H., and He, S., FTGPHA: Fixed-Trajectory Group Pre-Handover Authentication Mechanism for Mobile Relays in 5G High-Speed Rail Networks; *TVT Feb. 2020 2126-2140*
- Ma, R.**, Wu, H., Ou, J., Yang, S., and Gao, Y., Power Splitting-Based SWIPT Systems With Full-Duplex Jamming; *TVT Sept. 2020 9822-9836*
- Ma, R.**, Wang, L., Chen, Y., Pan, M., and Xu, L., Enabling Edge Caching Through Full-Duplex Non-Orthogonal Multiple Access; *TVT Oct. 2020 12338-12342*
- Ma, S.**, see Shi, Z., *TVT Jan. 2020 471-487*
- Ma, S.**, see Han, J., *TVT Feb. 2020 2301-2305*
- Ma, S.**, see Chen, J., *TVT Feb. 2020 2141-2156*
- Ma, S.**, Shen, W., An, J., and Hanzo, L., Antenna Array Diagnosis for Millimeter-Wave MIMO Systems; *TVT April 2020 4585-4589*
- Ma, S.**, see Mao, Z., *TVT June 2020 6463-6472*
- Ma, S.**, see Sun, J., *TVT Sept. 2020 10375-10379*
- Ma, T.**, see Qian, B., *TVT June 2020 6374-6387*
- Ma, T.**, see Liu, H., *TVT July 2020 6880-6890*
- Ma, T.**, see Wang, T., *TVT Nov. 2020 14093-14098*
- Ma, W.**, see Xue, W., *TVT Nov. 2020 13196-13205*
- Ma, X.**, see Kuang, Q., *TVT April 2020 4353-4366*
- Ma, X.**, see Wang, J., *TVT May 2020 5416-5425*
- Ma, X.**, and Gao, Z., Data-Driven Deep Learning to Design Pilot and Channel Estimator for Massive MIMO; *TVT May 2020 5677-5682*

- Ma, X.**, see Gao, S., *TVT June 2020 5784-5798*
- Ma, X.**, see Wang, Y., *TVT July 2020 7895-7907*
- Ma, X.**, Shahbakhhti, M., and Chigan, C., Connected Vehicle Based Distributed Meta-Learning for Online Adaptive Engine/Powertrain Fuel Consumption Modeling; *TVT Sept. 2020 9553-9565*
- Ma, X.**, see Jiang, Q., *TVT Sept. 2020 9390-9401*
- Ma, X.**, see Sun, H., *TVT Dec. 2020 16325-16329*
- Ma, Y.**, see Wang, J., *TVT March 2020 2487-2500*
- Ma, Y.**, see Zeng, Y., *TVT April 2020 4069-4079*
- Ma, Y.**, see Xia, S., *TVT July 2020 6856-6868*
- Ma, Y.**, see Yang, Y., *TVT Aug. 2020 9185-9189*
- Ma, Y.**, see Li, T., *TVT Sept. 2020 9330-9341*
- Ma, Y.**, see Ding, H., *TVT Oct. 2020 12359-12362*
- Ma, Y.**, Wang, B., Ning, W., and Zhang, Y., PRSRTI: A Novel Device-Free Localization Method Using Phase Response Shift Based Radio Tomography Imaging; *TVT Nov. 2020 13812-13820*
- Ma, Z.**, Ai, B., He, R., Wang, G., Niu, Y., and Zhong, Z., A Wideband Non-Stationary Air-to-Air Channel Model for UAV Communications; *TVT Feb. 2020 1214-1226*
- Ma, Z.**, see Jiang, Z., *TVT Feb. 2020 2157-2170*
- Ma, Z.**, Zhang, J., Guo, Y., Liu, Y., Liu, X., and He, W., An Efficient Decentralized Key Management Mechanism for VANET With Blockchain; *TVT June 2020 5836-5849*
- Ma, Z.**, Ai, B., He, R., Wang, G., Niu, Y., Yang, M., Wang, J., Li, Y., and Zhong, Z., Impact of UAV Rotation on MIMO Channel Characterization for Air-to-Ground Communication Systems; *TVT Nov. 2020 12418-12431*
- Maaref, A.**, see Mheich, Z., *TVT July 2020 8018-8022*
- Maaskant, R.**, see Amani, N., *TVT June 2020 6500-6510*
- Machura, P.**, De Santis, V., and Li, Q., Driving Range of Electric Vehicles Charged by Wireless Power Transfer; *TVT June 2020 5968-5982*
- Macias Fernandez, A.**, Kandidayeni, M., Boulon, L., and Chaoui, H., An Adaptive State Machine Based Energy Management Strategy for a Multi-Stack Fuel Cell Hybrid Electric Vehicle; *TVT Jan. 2020 220-234*
- Macit, M.C.**, see Basaran, M., *TVT Oct. 2020 11066-11076*
- Magsino, E.R.**, see Ho, I.W., *TVT March 2020 3151-3165*
- Maham, B.**, see Tlebaldiyeva, L., *TVT May 2020 5707-5712*
- Maham, B.**, and Popovski, P., Capacity Analysis of Coordinated Multipoint Reception for mmWave Uplink With Blockages; *TVT Dec. 2020 16299-16303*
- Maharjan, S.**, see Jiang, L., *TVT Jan. 2020 828-841*
- Maharjan, S.**, see Lu, Y., *TVT April 2020 4298-4311*
- Maharjan, S.**, see Dai, Y., *TVT April 2020 4312-4324*
- Maharjan, S.**, see Liu, H., *TVT April 2020 4221-4232*
- Maharjan, S.**, see Dai, Y., *TVT Oct. 2020 12175-12186*
- Maharjan, S.**, see Jiang, L., *TVT Dec. 2020 15828-15841*
- Mahbas, A.**, Zhu, H., and Wang, J., Trio-Connectivity for Efficient Uplink Performance in Future Mobile HetNets; *TVT Dec. 2020 15706-15719*
- Maheswaran, P.**, and Selvaraj, M.D., Cooperative Time Successive SSK-M-ary Modulation for Decode-and-Forward Relay Systems; *TVT Jan. 2020 537-551*
- Mahfujul, K.M.**, see Ren, J., *TVT Aug. 2020 8900-8913*
- Mahler, K.**, see Gustafson, C., *TVT March 2020 2365-2375*
- Mahmood, N.H.**, see Karimi, A., *TVT Oct. 2020 12136-12147*
- Mahmoud, K.**, see Ali, A., *TVT May 2020 4763-4772*
- Mahmoud, M.**, see Li, H., *TVT June 2020 5732-5735*
- Maiti, S.**, and Misra, S., P2B: Privacy Preserving Identity-Based Broadcast Proxy Re-Encryption; *TVT May 2020 5610-5617*
- Maity, S.P.**, see Paul, A., *TVT June 2020 6755-6765*
- Maity, S.P.**, see Ghosh, S., *TVT Sept. 2020 10167-10176*
- Majhi, S.**, see Gupta, R., *TVT May 2020 5281-5292*
- Majhi, S.**, see Kumar, S., *TVT June 2020 6254-6263*
- Majidi, M.**, Mohammadi, A., Abdipour, A., and Valkama, M., Characterization and Performance Improvement of Cooperative Wireless Networks With Nonlinear Power Amplifier at Relay; *TVT March 2020 3244-3255*
- Makhanbet, M.**, Lv, T., Orynbet, M., and Suleimenov, B., A Fully Distributed and Clustered Learning of Power Control in User-Centric Ultra-Dense HetNets; *TVT Oct. 2020 11529-11543*
- Makris, N.**, see Passas, V., *TVT Oct. 2020 12111-12123*
- Maleki, N.**, and Vosoughi, A., On Bandwidth Constrained Distributed Detection of a Known Signal in Correlated Gaussian Noise; *TVT Oct. 2020 11428-11444*
- Malekian, R.**, see Sha, C., *TVT March 2020 3135-3150*
- Mallik, R.K.**, see Dash, S.P., *TVT Jan. 2020 1051-1054*
- Mallik, R.K.**, see Dash, S.P., *TVT March 2020 3057-3067*
- Mamaghani, M.T.**, and Hong, Y., Improving PHY-Security of UAV-Enabled Transmission With Wireless Energy Harvesting: Robust Trajectory Design and Communications Resource Allocation; *TVT Aug. 2020 8586-8600*
- Man, Z.**, see Zhang, J., *TVT Sept. 2020 9589-9600*
- Manshadi, S.D.**, and Khodayar, M.E., Strategic Behavior of In-Motion Wireless Charging Aggregators in the Electricity and Transportation Networks; *TVT Dec. 2020 14780-14792*
- Mansouri Moghaddam, S.**, see Kildal, M.S., *TVT Nov. 2020 13165-13179*
- Mantilla-Perez, P.**, Perez-Rua, J., Millan, M.A.D., Dominguez, X., and Arboleya, P., Power Flow Simulation in the Product Development Process of Modern Vehicular DC Distribution Systems; *TVT May 2020 5025-5040*
- Manvi, S.S.**, see Tangade, S., *TVT May 2020 5232-5243*
- Manzuri, M.T.**, see Nazemipour, A., *TVT April 2020 3841-3851*
- Mao, G.**, see Wan, Z., *TVT Feb. 2020 2337-2342*
- Mao, G.**, see Li, C., *TVT May 2020 4827-4841*
- Mao, G.**, see Li, Z., *TVT Sept. 2020 9807-9821*
- Mao, G.**, see Hui, Y., *TVT Dec. 2020 16044-16056*
- Mao, S.**, see Yang, C., *TVT Aug. 2020 8151-8163*
- Mao, S.**, see Chen, Y., *TVT Sept. 2020 9304-9314*
- Mao, S.**, see Tu, Y., *TVT Sept. 2020 10085-10089*
- Mao, T.**, Wang, Q., Wen, M., and Wang, Z., Secure Single-Input-Multiple-Output Media-Based Modulation; *TVT April 2020 4105-4117*
- Mao, T.**, Wang, Q., and Wang, Z., Spatial Modulation for Terahertz Communication Systems With Hardware Impairments; *TVT April 2020 4553-4557*
- Mao, Y.**, see Chen, D., *TVT Oct. 2020 10642-10655*
- Mao, Z.**, Hu, F., Sun, D., Ma, S., and Liu, X., Fairness-Aware Intragroup Cooperative Transmission in Wireless Powered Communication Networks; *TVT June 2020 6463-6472*
- Mao, Z.**, see Wang, T., *TVT Nov. 2020 13400-13409*
- Maple, C.**, see Hathal, W., *TVT Dec. 2020 16110-16125*
- Marchese, M.**, see de Cola, T., *TVT Oct. 2020 11619-11631*
- Marinello, J.C.**, Abrao, T., Amiri, A., de Carvalho, E., and Popovski, P., Antenna Selection for Improving Energy Efficiency in XL-MIMO Systems; *TVT Nov. 2020 13305-13318*
- Marojevic, V.**, see Rao, R.M., *TVT Sept. 2020 9720-9735*
- Martens, L.**, see Yusuf, M., *TVT Nov. 2020 12396-12407*
- Martinez, V.**, see Molina-Masegosa, R., *TVT May 2020 5713-5717*
- Martini, M.G.**, see Rashed, S.K., *TVT Aug. 2020 8443-8458*
- Martos-Naya, E.**, see Lopez-Fernandez, J., *TVT April 2020 4019-4032*
- Masini, B.M.**, see Bazzi, A., *TVT Aug. 2020 9239-9243*
- Masmoudi, A.**, and Le-Ngoc, T., User Grouping and Hybrid RF/Baseband Pre-coding for Multi-User Massive MIMO Systems; *TVT Oct. 2020 11308-11322*
- Masouros, C.**, see Kabir, M.T., *TVT March 2020 3476-3480*
- Mathar, R.**, see Taghizadeh, O., *TVT July 2020 8034-8039*
- Matolak, D.W.**, see Walter, M., *TVT Oct. 2020 10419-10434*
- Matsuda, T.**, see Hiraguri, T., *TVT March 2020 2905-2914*
- Matsushita, S.**, see Liu, B., *TVT Dec. 2020 16183-16187*
- Matthaiou, M.**, see Yang, J., *TVT March 2020 2700-2715*
- Matthaiou, M.**, see Ho, C.D., *TVT July 2020 7379-7388*
- Matthaiou, M.**, see Yang, X., *TVT Dec. 2020 15229-15243*
- Maunder, R.G.**, see Xiang, L., *TVT Feb. 2020 1281-1290*
- Maunder, R.G.**, see Xiang, L., *TVT Nov. 2020 12449-12458*
- Maybank, S.**, see Hu, J., *TVT July 2020 6943-6951*
- Meher, S.R.**, Banerjee, S., Vankayalapati, B.T., and Singh, R.K., A Reconfigurable On-Board Power Converter for Electric Vehicle With Reduced Switch Count; *TVT April 2020 3760-3772*
- Mehta, R.**, see Nath, A., *TVT Dec. 2020 14701-14712*
- Mei, J.**, Lee, C.H.T., and Kirtley, J.L., Design of Axial Flux Induction Motor With Reduced Back Iron for Electric Vehicles; *TVT Jan. 2020 293-301*

- Mei, J.**, Zuo, Y., Lee, C.H.T., and Kirtley, J.L., Modeling and Optimizing Method for Axial Flux Induction Motor of Electric Vehicles; *TVT Nov. 2020* 12822-12831
- Mei, L.**, see Li, H., *TVT Dec. 2020* 14330-14340
- Mei, S.**, see Xie, R., *TVT Jan. 2020* 78-89
- Melzer, J.**, see Soleimani, M., *TVT Oct. 2020* 11646-11658
- Meng, F.**, see Yang, L., *TVT Sept. 2020* 10385-10390
- Meng, L.**, see Su, X., *TVT Nov. 2020* 13606-13620
- Meng, M.Q.**, see Wang, C., *TVT Oct. 2020* 10759-10771
- Meng, W.**, see Xu, S., *TVT Feb. 2020* 1903-1912
- Meng, W.**, see Sun, W., *TVT March 2020* 2864-2877
- Meng, W.**, see Liu, Y., *TVT July 2020* 7281-7294
- Meng, W.**, see Wang, X., *TVT Oct. 2020* 11515-11528
- Meng, W.**, see Chen, Q., *TVT Nov. 2020* 13658-13672
- Meng, W.**, see Zhang, Y., *TVT Dec. 2020* 15298-15313
- Meng, W.**, see Luo, X., *TVT Dec. 2020* 14932-14944
- Meng, Y.**, Zhang, W., Stuber, G.L., and Wang, W., Blind Fast CFO Estimation and Performance Analysis for OFDM; *TVT Oct. 2020* 11501-11514
- Mercorelli, P.**, see Haus, B., *TVT Feb. 2020* 1452-1463
- Merzoug, M.A.**, see Chouali, S., *TVT Dec. 2020* 15385-15397
- Mesleh, R.**, see Alshawaqfeh, M., *TVT April 2020* 4558-4562
- Mesleh, R.**, see Althunibat, S., *TVT June 2020* 6325-6332
- Metzler, M.**, see Scamarcio, A., *TVT Oct. 2020* 10681-10699
- Mheich, Z.**, Liu, Z., Xiao, P., and Maaref, A., Delayed Bit Interleaved Coded Sparse Code Multiple Access; *TVT July 2020* 8018-8022
- Mi, D.**, see Chen, H., *TVT Feb. 2020* 2306-2310
- Miao, L.**, see Lu, Y., *TVT Dec. 2020* 14858-14868
- Miao, M.**, Wang, L., Rong, Y., and Xu, W., A Polarization MDCSK Modulation Without PDL Over Multipath Rayleigh Fading Channels; *TVT June 2020* 6813-6817
- Miar-Naimi, H.**, see Jafari, H., *TVT Dec. 2020* 14918-14931
- Michailidis, E.T.**, Nomikos, N., Trakadas, P., and Kanas, A.G., Three-Dimensional Modeling of mmWave Doubly Massive MIMO Aerial Fading Channels; *TVT Feb. 2020* 1190-1202
- Michalek, M.M.**, Patkowski, B., and Gawron, T., Modular Kinematic Modeling of Articulated Buses; *TVT Aug. 2020* 8381-8394
- Michelusi, N.**, see Hussain, M., *TVT Nov. 2020* 13072-13086
- Milheiro, J.**, Almeida, L., Borrego, J.P., Carvalho, N.B., and Kokkinen, H., LTE Signal Detector for LSA Spectrum Sharing Model in Portugal; *TVT Dec. 2020* 15127-15136
- Mili, M.R.**, Khalili, A., Mokari, N., Wittevrongel, S., Ng, D.W.K., and Steendam, H., Tradeoff Between Ergodic Energy Efficiency and Spectral Efficiency in D2D Communications Under Rician Fading Channel; *TVT Sept. 2020* 9750-9766
- Miliotis, V.**, see Passas, V., *TVT Oct. 2020* 12111-12123
- Millan, M.A.D.**, see Mantilla-Perez, P., *TVT May 2020* 5025-5040
- Milstein, L.B.**, see Zhang, B., *TVT Oct. 2020* 11338-11352
- Min, G.**, see Zhan, W., *TVT March 2020* 3341-3356
- Min, W.**, see Zhou, L., *TVT April 2020* 3604-3614
- Minetto, A.**, and Dovic, F., On the Information Carried by Correlated Collaborative Ranging Measurements for Hybrid Positioning; *TVT Feb. 2020* 1419-1427
- Ming, Z.**, see Cui, L., *TVT June 2020* 5864-5875
- Miniguan, H.**, Barrado, A., Lazaro, A., Zumel, P., and Fernandez, C., General Parameter Identification Procedure and Comparative Study of Li-Ion Battery Models; *TVT Jan. 2020* 235-245
- Miramirakhani, F.**, see Karbalayghareh, M., *TVT July 2020* 6891-6901
- Miramirakhani, F.**, see Mitra, R., *TVT Oct. 2020* 11800-11810
- Mirjalili, S.**, see Pham, Q., *TVT April 2020* 4285-4297
- Mirsalim, M.**, see Mosammam, B.M., *TVT Dec. 2020* 15633-15643
- Mishra, D.**, see Mukherjee, P., *TVT Jan. 2020* 26-40
- Mishra, D.**, see Li, G., *TVT June 2020* 6511-6524
- Mishra, D.**, see Li, G., *TVT Oct. 2020* 11728-11742
- Mishra, D.**, see Thapar, S., *TVT Nov. 2020* 13259-13272
- Mishra, M.K.**, see Swami, P., *TVT April 2020* 4516-4521
- Misic, J.**, see Yao, Y., *TVT Feb. 2020* 2185-2194
- Misic, V.B.**, see Yao, Y., *TVT Feb. 2020* 2185-2194
- Misra, S.**, and Bera, S., Soft-VAN: Mobility-Aware Task Offloading in Software-Defined Vehicular Network; *TVT Feb. 2020* 2071-2078
- Misra, S.**, see Maiti, S., *TVT May 2020* 5610-5617
- Misra, S.**, Mondal, A., Bhavathankar, P., and Alouini, M., M-JAW: Mobility-Based Jamming Avoidance in Wireless Sensor Networks; *TVT May 2020* 5381-5390
- Misra, S.**, see Pathak, N., *TVT June 2020* 6731-6738
- Misra, S.**, see Bera, A., *TVT June 2020* 6680-6687
- Misra, S.**, see Dass, P., *TVT Sept. 2020* 9509-9517
- Misra, S.**, see Deb, P.K., *TVT Dec. 2020* 15978-15987
- Mitra, R.**, Miramirakhani, F., Bhatia, V., and Uysal, M., Low Complexity Least Minimum Symbol Error Rate Based Post-Distortion for Vehicular VLC; *TVT Oct. 2020* 11800-11810
- Mitra, R.**, see Jain, S., *TVT Dec. 2020* 16241-16246
- Mitsui, T.**, see Hiraguri, T., *TVT March 2020* 2905-2914
- Mlika, Z.**, Driouch, E., and Ajib, W., Resource Allocation in Green Dense Cellular Networks: Complexity and Algorithms; *TVT Feb. 2020* 1994-2007
- Mobini, Z.**, see Hakimi, A., *TVT Oct. 2020* 10925-10936
- Mogensen, P.**, see Karimi, A., *TVT Oct. 2020* 12136-12147
- Mohamed, S.**, see Qazani, M.R.C., *TVT Oct. 2020* 10446-10456
- Mohamed, S.**, see Chalak Qazani, M.R., *TVT Nov. 2020* 12547-12558
- Mohammadi, A.**, see Majidi, M., *TVT March 2020* 3244-3255
- Mohammadi, A.**, see Kazemi, M., *TVT June 2020* 6141-6152
- Mohammadi, A.**, see HajiAkhondi-Meybodi, Z., *TVT Sept. 2020* 10188-10201
- Mohammadi, M.**, see Hakimi, A., *TVT Oct. 2020* 10925-10936
- Mohammadian, A.**, Tellambura, C., and Valkama, M., Analysis of Self-Interference Cancellation Under Phase Noise, CFO, and IQ Imbalance in GFDM Full-Duplex Transceivers; *TVT Jan. 2020* 700-713
- Mohammed, A.**, Zhang, S., Li, H., Zhao, N., and Wang, X., Capturing the Sparsity and Tracking the Channels for Massive MIMO Networks; *TVT Jan. 2020* 685-699
- Mohammed, O.A.**, see Elsayad, N., *TVT Jan. 2020* 194-206
- Mohammed, S.K.**, see Dash, S.P., *TVT March 2020* 3057-3067
- Mohammed, S.K.**, see Sinha, A.K., *TVT Dec. 2020* 15078-15094
- Mokari, N.**, see Forouzes, M., *TVT Aug. 2020* 8568-8576
- Mokari, N.**, see Mili, M.R., *TVT Sept. 2020* 9750-9766
- Mokhtari, Z.**, Sabbaghian, M., and Dinis, R., Downlink Sum-Rates of SC-FDP and OFDM Massive MIMO Systems in Doubly Dispersive Channels; *TVT Aug. 2020* 8065-8079
- Molina-Masegosa, R.**, Sepulcre, M., Gozalvez, J., Berens, F., and Martinez, V., Empirical Models for the Realistic Generation of Cooperative Awareness Messages in Vehicular Networks; *TVT May 2020* 5713-5717
- Molinari, A.**, see Rinaldi, F., *TVT Feb. 2020* 2058-2070
- Molinari, A.**, see Bazzi, A., *TVT Aug. 2020* 9239-9243
- Molisch, A.F.**, see Huang, C., *TVT Jan. 2020* 1041-1045
- Molisch, A.F.**, see Banagar, M., *TVT Nov. 2020* 14025-14030
- Moltchanov, D.**, see Petrov, V., *TVT June 2020* 6822-6827
- Moltchanov, D.**, see Tafintsev, N., *TVT Sept. 2020* 10070-10084
- Mondal, A.**, see Misra, S., *TVT May 2020* 5381-5390
- Monfared, S.**, Nguyen, T., Van der Vorst, T., De Doncker, P., and Horlin, F., Iterative NDA Positioning Using Angle-of-Arrival Measurements for IoT Sensor Networks; *TVT Oct. 2020* 11369-11382
- Mongelli, M.**, see de Cola, T., *TVT Oct. 2020* 11619-11631
- Montrucchio, B.**, Giusto, E., Vakili, M.G., Quer, S., Ferrero, R., and Fornaro, C., A Densely-Deployed, High Sampling Rate, Open-Source Air Pollution Monitoring WSN; *TVT Dec. 2020* 15786-15799
- Montuschi, P.**, see Liu, S., *TVT Nov. 2020* 13718-13727
- Moon, H.**, see Choi, H., *TVT Dec. 2020* 15046-15056
- Moon, J.**, see Lee, J., *TVT Aug. 2020* 9131-9134
- Moradi, F.**, Fitzgerald, E., Pioro, M., and Landfeldt, B., Flexible DRX Optimization for LTE and 5G; *TVT Jan. 2020* 607-621
- Moradian, M.**, Ashtiani, F., and Khonsari, A., Stability Region and Delay Analysis of a SWIPT-Based Two-Way Relay Network With Opportunistic Network Coding; *TVT Dec. 2020* 15682-15693
- Moradisizkoobi, H.**, see Elsayad, N., *TVT Jan. 2020* 194-206
- Morales, Y.**, see Sama, K., *TVT Sept. 2020* 9315-9329
- Moriyama, E.**, see Kawakami, T., *TVT Dec. 2020* 16168-16172

- Morlock, F.**, Rolle, B., Bauer, M., and Sawodny, O., Forecasts of Electric Vehicle Energy Consumption Based on Characteristic Speed Profiles and Real-Time Traffic Data; *TVT Feb. 2020 1404-1418*
- Morton, Y.J.**, see Chen, X., *TVT Dec. 2020 14247-14263*
- Mosammam, B.M.**, and Mirsalim, M., New Integrated Tripolar Pad Using Double-Sided LCC Compensation for Wireless Power Transfer; *TVT Dec. 2020 15633-15643*
- Mostefaoui, A.**, see Chouali, S., *TVT Dec. 2020 15385-15397*
- Mou, Z.**, see Zhang, Y., *TVT Oct. 2020 11599-11611*
- Moualeu, J.M.**, see Silva, P.E.G., *TVT June 2020 6766-6770*
- Mouchili, S.**, and Hamouda, S., Pairing Distance Resolution and Power Control for Massive Connectivity Improvement in NOMA Systems; *TVT April 2020 4093-4103*
- Mousavi, M.**, and Klein, A., Energy and Social Cost Minimization for Data Dissemination in Wireless Networks: Centralized and Decentralized Approaches; *TVT May 2020 5521-5534*
- Mousavi, P.**, see Soleimani, M., *TVT Oct. 2020 11646-11658*
- Mu, C.**, see Wang, X., *TVT Sept. 2020 9497-9508*
- Mu, S.**, Zhong, Z., and Zhao, D., Energy-Efficient and Delay-Fair Mobile Computation Offloading; *TVT Dec. 2020 15746-15759*
- Mu, X.**, Zhao, X., and Liang, H., Power Allocation Based on Reinforcement Learning for MIMO System With Energy Harvesting; *TVT July 2020 7622-7633*
- Muhaidat, S.**, see Al-Habob, A.A., *TVT Aug. 2020 8805-8819*
- Muhaidat, S.**, see Ibrahim, M., *TVT Sept. 2020 9951-9959*
- Muhammad, G.**, see Yassine, A., *TVT May 2020 5457-5466*
- Muhammad, N.A.**, Apandi, N.I.A., Li, Y., and Seman, N., Uplink Performance Analysis for Millimeter Wave Cellular Networks With Clustered Users; *TVT June 2020 6178-6188*
- Mukherjee, A.**, see Pathak, N., *TVT June 2020 6731-6738*
- Mukherjee, A.**, see Azam, M.A., *TVT Dec. 2020 15412-15426*
- Mukherjee, P.**, Mishra, D., and De, S., Gaussian Mixture Based Context-Aware Short-Term Characterization of Wireless Channels; *TVT Jan. 2020 26-40*
- Mumtaz, S.**, see Yang, Z., *TVT Jan. 2020 390-404*
- Mumtaz, S.**, see Ji, B., *TVT July 2020 7404-7415*
- Mumtaz, S.**, see Feng, C., *TVT Nov. 2020 13784-13795*
- Mun, H.**, Han, K., and Lee, D.H., Ensuring Safety and Security in CAN-Based Automotive Embedded Systems: A Combination of Design Optimization and Secure Communication; *TVT July 2020 7078-7091*
- Munoz, O.**, see Ruiz, C.G., *TVT Dec. 2020 16247-16252*
- Muntean, G.**, see Thakur, A., *TVT Oct. 2020 12202-12215*
- Muntean, G.**, see Gao, K., *TVT Dec. 2020 16142-16154*
- Murala, S.**, see Patil, P.W., *TVT Dec. 2020 14550-14562*
- Murali, S.**, see Alam, M.Z., *TVT Sept. 2020 9356-9363*
- Muramatsu, M.**, see Kawakami, T., *TVT Dec. 2020 16168-16172*
- Murgovski, N.**, see Wei, S., *TVT March 2020 2449-2462*
- Murvay, P.**, see Groza, B., *TVT June 2020 6129-6140*
- Murvay, P.**, and Groza, B., Efficient Physical Layer Key Agreement for Flex-Ray Networks; *TVT Sept. 2020 9767-9780*
- Musavian, L.**, see Amjad, M., *TVT Dec. 2020 16253-16257*
- Muta, O.**, see Kageyama, T., *TVT June 2020 6230-6241*
- Muttaqi, K.M.**, see Zahedmanesh, A., *TVT Nov. 2020 12585-12596*
- N**
- Naderipour, M.**, Taherpour, A., Taherpour, A., and Gazor, S., Design of Optimal Non-Uniform Quantizer in Imperfect Noisy Reporting Channels for Collaborative Spectrum Sensing; *TVT Nov. 2020 12870-12882*
- Nahavandi, S.**, see Qazani, M.R.C., *TVT Oct. 2020 10446-10456*
- Nahavandi, S.**, see Chalak Qazani, M.R., *TVT Nov. 2020 12547-12558*
- Naik, R.P.**, see Uppalapati, A., *TVT Dec. 2020 15244-15252*
- Nakamura, A.**, Liu, Y., and Kim, B., Short-Term Multi-Vehicle Trajectory Planning for Collision Avoidance; *TVT Sept. 2020 9253-9264*
- Nakhai, M.R.**, see Le, T.A., *TVT Nov. 2020 13206-13215*
- Nakum, G.**, see Singh, P.K., *TVT Oct. 2020 11383-11393*
- Nallanathan, A.**, see Qi, C., *TVT May 2020 5661-5665*
- Nallanathan, A.**, see Yue, X., *TVT June 2020 6818-6821*
- Nallanathan, A.**, see Ren, H., *TVT July 2020 8003-8007*
- Nallanathan, A.**, see Li, X., *TVT Oct. 2020 12286-12290*
- Nallanathan, A.**, see Zhang, T., *TVT Nov. 2020 12897-12911*
- Nam, K.**, see Park, G., *TVT April 2020 3668-3679*
- Nam, S.S.**, see Lee, J., *TVT Aug. 2020 8753-8763*
- Nandi, A.**, see Pradhan, B., *TVT Feb. 2020 1319-1327*
- Nandi, S.**, see Singh, P.K., *TVT Oct. 2020 11383-11393*
- Narandzic, M.**, see Petkovic, M.I., *TVT Oct. 2020 11099-11111*
- Naren, N.**, see Alladi, T., *TVT Dec. 2020 15068-15077*
- Naren, N.**, see Bansal, G., *TVT July 2020 7234-7246*
- Nasir, A.A.**, Tuan, H.D., Duong, T.Q., and Hanzo, L., Transmitter-Side Wireless Information- and Power-Transfer in Massive MIMO Systems; *TVT Feb. 2020 2322-2326*
- Nasir, A.A.**, Tuan, H.D., Duong, T.Q., Poor, H.V., and Hanzo, L., Hybrid Beamforming for Multi-User Millimeter-Wave Networks; *TVT March 2020 2943-2956*
- Nasir, A.A.**, see Yu, H., *TVT Nov. 2020 13990-13995*
- Nasiri, A.**, see Khayamy, M., *TVT June 2020 6119-6128*
- Nasiri-Gheidari, Z.**, see Saneie, H., *TVT May 2020 4992-4999*
- Nasiri-Gheidari, Z.**, see Lasjerdi, H., *TVT Dec. 2020 14884-14892*
- Nath, A.**, Gupta, R., Mehta, R., Bahga, S.S., Gupta, A., and Bhasin, S., Attractive Ellipsoid Sliding Mode Observer Design for State of Charge Estimation of Lithium-Ion Cells; *TVT Dec. 2020 14701-14712*
- Nauryzbayev, G.**, Abdallah, M., Ansari, I.S., Al-Dhahir, N., and Qaraqe, K., Outage of Cognitive Electric Vehicle Networks Over Mixed RF/VLC Channels With Signal-Dependent Noise and Imperfect CSI; *TVT June 2020 6828-6832*
- Navaie, K.**, see Zhu, J., *TVT March 2020 3008-3020*
- Navaie, K.**, see Sun, Y., *TVT Nov. 2020 14001-14006*
- Navaie, K.**, see Onidare, S.O., *TVT Dec. 2020 15149-15161*
- Navik, P.**, see Song, Y., *TVT Oct. 2020 10596-10605*
- Nazempour, A.**, Manzuri, M.T., Kamran, D., and Karimian, M., MEMS Gyro Bias Estimation in Accelerated Motions Using Sensor Fusion of Camera and Angular-Rate Gyroscope; *TVT April 2020 3841-3851*
- Nemati, M.**, Soltani, M., Ding, J., and Choi, J., Subcarrier-Wise Backscatter Communications Over Ambient OFDM for Low Power IoT; *TVT Nov. 2020 13229-13242*
- Ng, D.W.K.**, see Yuan, W., *TVT July 2020 7976-7980*
- Ng, D.W.K.**, see Mili, M.R., *TVT Sept. 2020 9750-9766*
- Ng, D.W.K.**, see Zhang, J., *TVT Oct. 2020 11152-11168*
- Ngatched, T.M.N.**, see Khoshafa, M.H., *TVT July 2020 7609-7621*
- Ngo, D.T.**, see Nguyen, B.L., *TVT Dec. 2020 15668-15681*
- Ngo, H.Q.**, see Ho, C.D., *TVT July 2020 7379-7388*
- Ngom, I.**, see Sadio, O., *TVT Jan. 2020 842-850*
- Nguyen, B.C.**, see Hoang, T.M., *TVT March 2020 2785-2801*
- Nguyen, B.C.**, Tran, X.N., Tran, D.T., Pham, X.N., and Dung, L.T., Impact of Hardware Impairments on the Outage Probability and Ergodic Capacity of One-Way and Two-Way Full-Duplex Relaying Systems; *TVT Aug. 2020 8555-8567*
- Nguyen, B.C.**, see Hoang, T.M., *TVT Dec. 2020 15580-15593*
- Nguyen, B.L.**, Ngo, D.T., Dao, M.N., Duong, Q., and Okada, M., A Joint Scheduling and Power Control Scheme for Hybrid I2V/V2V Networks; *TVT Dec. 2020 15668-15681*
- Nguyen, B.V.**, see Jung, H., *TVT Jan. 2020 728-737*
- Nguyen, H.**, Xiao, X., Noor-A-Rahim, M., Guan, Y.L., Pesch, D., Li, H., and Filippi, A., Impact of Big Vehicle Shadowing on Vehicle-to-Vehicle Communications; *TVT July 2020 6902-6915*
- Nguyen, H.H.**, see Nguyen, T.K., *TVT Oct. 2020 10949-10964*
- Nguyen, H.H.**, see Prathima, A., *TVT Nov. 2020 13467-13481*
- Nguyen, H.K.**, see Yu, Y., *TVT Feb. 2020 1706-1718*
- Nguyen, H.M.**, see Wang, B., *TVT Jan. 2020 1070-1074*
- Nguyen, H.T.**, see Pham, Q., *TVT Feb. 2020 1982-1993*
- Nguyen, L.D.**, see Wang, B., *TVT April 2020 4412-4425*
- Nguyen, M.N.H.**, Zaw, C.W., Kim, K., Tran, N.H., and Hong, C.S., Let's Share the Resource When We're Co-Located: Colocation Edge Computing; *TVT May 2020 5618-5633*

- Nguyen, N.T.**, and Lee, K., Groupwise Neighbor Examination for Tabu Search Detection in Large MIMO Systems; *TVT Jan. 2020 1136-1140*
- Nguyen, S.L.H.**, see Solomitckii, D., *TVT Feb. 2020 1227-1236*
- Nguyen, T.**, On Bounds and Closed-Form Expressions for Capacities of Discrete Memoryless Channels With Invertible Positive Matrices; *TVT Sept. 2020 9910-9920*
- Nguyen, T.**, see Nguyen, T., *TVT Sept. 2020 9910-9920*
- Nguyen, T.**, see Monfared, S., *TVT Oct. 2020 11369-11382*
- Nguyen, T.K.**, Nguyen, H.H., and Tuan, H.D., Max-Min QoS Power Control in Generalized Cell-Free Massive MIMO-NOMA With Optimal Backhaul Combining; *TVT Oct. 2020 10949-10964*
- Nguyen, T.V.**, Do, T., Bao, V.N.Q., Costa, D.B.d., and An, B., On the Performance of Multihop Cognitive Wireless Powered D2D Communications in WSNs; *TVT March 2020 2684-2699*
- Nguyen, V.**, Lin, P., and Hwang, R., Enhancing Misbehavior Detection in 5G Vehicle-to-Vehicle Communications; *TVT Sept. 2020 9417-9430*
- Ni, J.**, see Huang, C., *TVT May 2020 4869-4882*
- Ni, J.**, see Zhang, C., *TVT Sept. 2020 10336-10347*
- Ni, J.**, see Jiang, Q., *TVT Sept. 2020 9390-9401*
- Ni, J.**, see Liu, D., *TVT Dec. 2020 15694-15705*
- Ni, J.**, see Yang, H., *TVT Dec. 2020 14494-14509*
- Ni, Q.**, see Chen, D., *TVT Oct. 2020 11963-11974*
- Ni, Q.**, see Li, Y., *TVT Nov. 2020 13985-13989*
- Ni, Q.**, see Onidare, S.O., *TVT Dec. 2020 15149-15161*
- Ni, T.**, see Wang, J., *TVT March 2020 2487-2500*
- Ni, W.**, see Hu, Z., *TVT Jan. 2020 349-360*
- Ni, W.**, see Yuan, X., *TVT Aug. 2020 8792-8804*
- Ni, W.**, see Yuan, C., *TVT Sept. 2020 10019-10032*
- Ni, W.**, see Luo, Y., *TVT Oct. 2020 11000-11013*
- Ni, W.**, see Fang, Z., *TVT Dec. 2020 15314-15324*
- Ni, W.**, see Liu, B., *TVT Dec. 2020 15005-15018*
- Ni, Z.**, Zhang, J.A., Yang, K., Gao, F., and An, J., Low-Complexity Subarray-Based RF Precoding for Wideband Multiuser Millimeter Wave Systems; *TVT July 2020 8028-8033*
- Ni, Z.**, Zhang, J.A., Yang, K., Gao, F., and An, J., Hybrid Precoder Design With Minimum-Subspace-Distortion Quantization in Multiuser mmWave Communications; *TVT Oct. 2020 11055-11065*
- Nijmeijer, H.**, see Xing, H., *TVT Feb. 2020 1177-1189*
- Nikopour, H.**, see Solomitckii, D., *TVT Feb. 2020 1227-1236*
- Nilsson, M.G.**, see Ji, Y., *TVT Feb. 2020 1203-1213*
- Ning, B.**, see Dong, H., *TVT Feb. 2020 1353-1362*
- Ning, K.**, see Tian, J., *TVT Oct. 2020 10832-10841*
- Ning, S.**, see Sui, Y., *TVT Nov. 2020 13383-13399*
- Ning, W.**, see Ma, Y., *TVT Nov. 2020 13812-13820*
- Ning, Z.**, see Pan, Y., *TVT June 2020 5995-6010*
- Nishimori, K.**, see Hiraguri, T., *TVT March 2020 2905-2914*
- Niu, H.**, see Hu, J., *TVT Dec. 2020 14413-14423*
- Niu, K.**, and Li, Y., Polar Codes for Fast Fading Channel: Design Based on Polar Spectrum; *TVT Sept. 2020 10103-10114*
- Niu, K.**, see Piao, J., *TVT Oct. 2020 11557-11569*
- Niu, Q.**, see Yang, X., *TVT Oct. 2020 11419-11427*
- Niu, S.**, see Xu, L., *TVT July 2020 7104-7115*
- Niu, S.**, see Lin, Q., *TVT Dec. 2020 14391-14400*
- Niu, X.**, see Zhang, Q., *TVT Aug. 2020 8305-8316*
- Niu, Y.**, see Ma, Z., *TVT Feb. 2020 1214-1226*
- Niu, Y.**, see Chen, Y., *TVT Sept. 2020 9736-9749*
- Niu, Y.**, see Gao, M., *TVT Sept. 2020 9643-9655*
- Niu, Y.**, see Ma, Z., *TVT Nov. 2020 12418-12431*
- Niu, Y.**, see Wang, Y., *TVT Nov. 2020 13836-13848*
- Niu, Z.**, see Zhang, S., *TVT Dec. 2020 15370-15384*
- Nix, A.R.**, see Ameen, A.S., *TVT Dec. 2020 14304-14315*
- Niyato, D.**, see Jiao, Y., *TVT Jan. 2020 920-934*
- Niyato, D.**, see Li, G., *TVT Aug. 2020 9190-9195*
- Niyato, D.**, see Liu, Z., *TVT Oct. 2020 11192-11205*
- Niyato, D.**, see Zou, Y., *TVT Oct. 2020 12369-12373*
- Niyato, D.**, see Ahn, J., *TVT Nov. 2020 13631-13645*
- Noh, S.**, see Song, J., *TVT Aug. 2020 9140-9145*
- Nomikos, N.**, see Michailidis, E.T., *TVT Feb. 2020 1190-1202*
- Nomikos, N.**, Charalambous, T., Vouyioukas, D., Wichman, R., and Karagiannidis, G.K., Integrating Broadcasting and NOMA in Full-Duplex Buffer-Aided Opportunistic Relay Networks; *TVT Aug. 2020 9157-9162*
- Noor-A-Rahim, M.**, see Ali, G.G.M.N., *TVT May 2020 4621-4634*
- Noor-A-Rahim, M.**, see Nguyen, H., *TVT July 2020 6902-6915*
- Noor-A-Rahim, M.**, Liu, Z., Guan, Y.L., and Hanzo, L., Finite-Length Performance Analysis of LDPC Coded Continuous Phase Modulation; *TVT Oct. 2020 12277-12280*
- Nour, C.A.**, see Youssef, M., *TVT Sept. 2020 9667-9681*
- Nusenu, S.Y.**, Huaizong, S., Pan, Y., and Basit, A., Space-Frequency Increment Index Modulation Approach for Fifth Generation and Beyond Wireless Communication Systems; *TVT June 2020 6286-6298*
- Nybacka, M.**, see Zhang, W., *TVT Nov. 2020 12807-12821*

O

- Ochieng, W.Y.**, see Sun, R., *TVT May 2020 4842-4854*
- Oh, D.**, see Verma, M.K.S., *TVT March 2020 2563-2575*
- Oh, S.**, see Choi, S., *TVT May 2020 4957-4967*
- Oh, T.**, see Lee, J., *TVT Aug. 2020 9131-9134*
- Ohtsuki, T.**, see Lu, Y., *TVT Aug. 2020 8459-8467*
- Ohtsuki, T.**, see Kumar S, Y., *TVT Dec. 2020 15442-15457*
- Ojo, F.K.**, Akande, D.O., and Salleh, M.F.M., Optimal Power Allocation in Cooperative Networks With Energy-Saving Protocols; *TVT May 2020 5079-5088*
- Okada, M.**, see Nguyen, B.L., *TVT Dec. 2020 15668-15681*
- Okoye, O.**, see Khayamy, M., *TVT June 2020 6119-6128*
- Oksuz, H.Y.**, see Sevim, O., *TVT May 2020 5089-5101*
- Oliveira, R.**, and Lehn, P., An Improved Mutual Inductance Electromagnetic Model for Inductive Power Transfer Systems Under Misalignment Conditions; *TVT June 2020 6079-6093*
- Oliveira, R.**, see Lima, B.K.S., *TVT Nov. 2020 14061-14066*
- Olivo, E.E.B.**, see Tregancini, A., *TVT Jan. 2020 622-635*
- Olufowobi, H.**, Young, C., Zambreno, J., and Bloom, G., SAIDuCANT: Specification-Based Automotive Intrusion Detection Using Controller Area Network (CAN) Timing; *TVT Feb. 2020 1484-1494*
- Olyaei, M.**, Eslami, M., Haghight, J., and Hamouda, W., Performance Analysis of Cellular Downlink With Fluctuating Two-Ray Channels Under Inter-Cell Interference; *TVT Nov. 2020 13437-13449*
- Omala, A.A.**, see Ali, I., *TVT Oct. 2020 11266-11280*
- Oncken, J.**, and Chen, B., Real-Time Model Predictive Powertrain Control for a Connected Plug-In Hybrid Electric Vehicle; *TVT Aug. 2020 8420-8432*
- Onder, C.H.**, see Robuschi, N., *TVT Dec. 2020 14575-14587*
- Onidare, S.O.**, Navaie, K., and Ni, Q., Spectral Efficiency of Dynamic Licensed Shared Access; *TVT Dec. 2020 15149-15161*
- Onori, S.**, see De Pascali, L., *TVT Oct. 2020 10868-10878*
- Oo, T.Z.**, see Le, T.H.T., *TVT Dec. 2020 15162-15176*
- Orchard, M.E.**, see Diaz, C., *TVT July 2020 7187-7200*
- Orlando, D.**, see Shi, B., *TVT Aug. 2020 8684-8697*
- Orlik, P.V.**, see Liu, F., *TVT March 2020 2928-2942*
- Orsino, A.**, see Rinaldi, F., *TVT Feb. 2020 2058-2070*
- Orynbet, M.**, see Makhanbet, M., *TVT Oct. 2020 11529-11543*
- Oshaghi, M.**, and Emadi, M.J., Throughput Maximization of a Hybrid EH-SWIPT Relay System Under Temperature Constraints; *TVT Feb. 2020 1792-1801*
- Osorio, D.P.M.**, see Tregancini, A., *TVT Jan. 2020 622-635*
- Osorio, D.P.M.**, see Sanchez, J.D.V., *TVT Dec. 2020 15137-15148*
- Ottersten, B.**, see Tran, D., *TVT Sept. 2020 9483-9496*
- Ou, C.**, and Karray, F., Deep Learning-Based Driving Maneuver Prediction System; *TVT Feb. 2020 1328-1340*
- Ou, J.**, see Ma, R., *TVT Sept. 2020 9822-9836*
- Oubbati, O.S.**, Atiqzaman, M., Lorenz, P., Baz, A., and Alhakami, H., SEARCH: An SDN-Enabled Approach for Vehicle Path-Planning; *TVT Dec. 2020 14523-14536*
- Ouyang, J.**, see Qian, L., *TVT May 2020 5494-5507*

- Overdevest, J.**, Jansen, F., Uysal, F., and Yarovoy, A., Doppler Influence on Waveform Orthogonality in 79 GHz MIMO Phase-Coded Automotive Radar; *TVT Jan. 2020* 16-25
- Ozbek, B.**, Pischella, M., and Le Ruyet, D., Energy Efficient Resource Allocation for Underlaying Multi-D2D Enabled Multiple-Antennas Communications; *TVT June 2020* 6189-6199
- Ozpinar, H.**, Aksimsek, S., and Tokan, N.T., A Novel Compact, Broadband, High Gain Millimeter-Wave Antenna for 5G Beam Steering Applications; *TVT March 2020* 2389-2397

P

- P. Monteiro, P.**, see Sanson, J.B., *TVT Nov. 2020* 13112-13123
- Pachat, J.**, Karat, N.S., Deepthi, P.P., and Rajan, B.S., Index Coding in Vehicle to Vehicle Communication; *TVT Oct. 2020* 11926-11936
- Pagano, M.**, see Botte, M., *TVT Dec. 2020* 14131-14140
- Pajukoski, K.**, see Talvitie, J., *TVT Dec. 2020* 16235-16240
- Pallotta, L.**, see Shi, B., *TVT Aug. 2020* 8684-8697
- Pan, C.**, see Ren, H., *TVT July 2020* 8003-8007
- Pan, C.**, see Zhang, L., *TVT Oct. 2020* 11445-11457
- Pan, C.**, see Wang, K., *TVT Dec. 2020* 16320-16324
- Pan, D.**, see Liu, Z., *TVT Dec. 2020* 15644-15655
- Pan, G.**, see Wang, K., *TVT Dec. 2020* 16320-16324
- Pan, G.**, see Tian, Y., *TVT Dec. 2020* 15398-15411
- Pan, J.**, see Huang, Z., *TVT Jan. 2020* 4-15
- Pan, J.**, see Zheng, Z., *TVT June 2020* 5736-5748
- Pan, J.**, see Liu, Q., *TVT Aug. 2020* 8832-8842
- Pan, J.**, see Luo, Y., *TVT Oct. 2020* 11000-11013
- Pan, M.**, see Wang, J., *TVT May 2020* 5416-5425
- Pan, M.**, see Li, X., *TVT Sept. 2020* 9921-9937
- Pan, M.**, see Wang, J., *TVT Sept. 2020* 10242-10251
- Pan, M.**, see Ma, R., *TVT Oct. 2020* 12338-12342
- Pan, M.**, see Gao, Q., *TVT Nov. 2020* 14083-14087
- Pan, Q.**, see Fan, K., *TVT June 2020* 5826-5835
- Pan, W.**, see Li, Y., *TVT May 2020* 4920-4934
- Pan, X.**, see Kumar, A., *TVT Aug. 2020* 8290-8304
- Pan, Y.**, Li, S., Ning, Z., Li, B., Zhang, Q., and Zhu, T., *auSense*: Collaborative Airspace Sensing by Commercial Airplanes and Unmanned Aerial Vehicles; *TVT June 2020* 5995-6010
- Pan, Y.**, see Nusenu, S.Y., *TVT June 2020* 6286-6298
- Pan, Y.M.**, see Liu, G., *TVT Oct. 2020* 11408-11418
- Pan, Z.**, Chen, M., Lu, S., Tian, Z., and Liu, Y., Integrated Timetable Optimization for Minimum Total Energy Consumption of an AC Railway System; *TVT April 2020* 3641-3653
- Pan, Z.**, see Gao, S., *TVT May 2020* 5442-5456
- Pandey, A.**, Yadav, S., Do, D., and Kharel, R., Secrecy Performance of Cooperative Cognitive AF Relaying Networks With Direct Links Over Mixed Rayleigh and Double-Rayleigh Fading Channels; *TVT Dec. 2020* 15095-15112
- Pang, J.**, see Liu, W., *TVT March 2020* 2747-2757
- Pang, X.**, see Zhang, C., *TVT April 2020* 3562-3574
- Paolucci, M.**, see Ferro, G., *TVT Dec. 2020* 14436-14447
- Papazafeiropoulos, A.**, Kourtessis, P., Renzo, M.D., Chatzinotas, S., and Senior, J.M., Performance Analysis of Cell-Free Massive MIMO Systems: A Stochastic Geometry Approach; *TVT April 2020* 3523-3537
- Papazafeiropoulos, A.K.**, see Elbir, A.M., *TVT Jan. 2020* 552-563
- Pappas, N.**, see Abd-Elmagid, M.A., *TVT Nov. 2020* 14110-14115
- Paredes, M.C.P.**, see Sanchez, J.D.V., *TVT Dec. 2020* 15137-15148
- Paris, J.F.**, see Lopez-Fernandez, J., *TVT April 2020* 4019-4032
- Park, G.**, Han, K., Nam, K., Kim, H., and Choi, S.B., Torque Vectoring Algorithm of Electronic-Four-Wheel Drive Vehicles for Enhancement of Cornering Performance; *TVT April 2020* 3668-3679
- Park, H.**, see Jee, J., *TVT Nov. 2020* 14019-14024
- Park, H.**, see Ahn, J., *TVT Nov. 2020* 13631-13645
- Park, J.**, see Eom, S., *TVT Jan. 2020* 651-662
- Park, J.**, see Kim, H., *TVT Jan. 2020* 935-947
- Park, J.**, and Clerckx, B., Multi-User Linear Precoding in Massively Distributed Polarized Antenna Systems Under Imperfect CSIT; *TVT May 2020* 5268-5280
- Park, J.**, see Han, D., *TVT May 2020* 4947-4956
- Park, J.**, see Song, J., *TVT Oct. 2020* 12306-12311
- Park, J.**, see Hong, J., *TVT Dec. 2020* 15057-15067
- Park, S.**, and Ahn, C., Computationally Efficient Stochastic Model Predictive Controller for Battery Thermal Management of Electric Vehicle; *TVT Aug. 2020* 8407-8419
- Park, S.**, and Son, H., Near-Perfect Code Scrambling With Limited Key Information for Wiretap Channels; *TVT Nov. 2020* 13410-13423
- Pascual-Iserte, A.**, see Ruiz, C.G., *TVT Dec. 2020* 16247-16252
- Pasricha, S.**, see Kukkala, V.K., *TVT Aug. 2020* 9017-9030
- Passas, V.**, Miliotis, V., Makris, N., and Korakis, T., Pricing Based Distributed Traffic Allocation for 5G Heterogeneous Networks; *TVT Oct. 2020* 12111-12123
- Pathak, N.**, Misra, S., Mukherjee, A., Roy, A., and Zomaya, A.Y., UAV Virtualization for Enabling Heterogeneous and Persistent UAV-as-a-Service; *TVT June 2020* 6731-6738
- Patil, P.W.**, Dudhane, A., and Murala, S., End-to-End Recurrent Generative Adversarial Network for Traffic and Surveillance Applications; *TVT Dec. 2020* 14550-14562
- Patil, R.S.**, see Verma, M.K.S., *TVT March 2020* 2563-2575
- Patkowski, B.**, see Michalek, M.M., *TVT Aug. 2020* 8381-8394
- Patrone, F.**, see de Cola, T., *TVT Oct. 2020* 11619-11631
- Paul, A.**, and Maity, S.P., Outage Analysis in Cognitive Radio Networks With Energy Harvesting and Q-Routing; *TVT June 2020* 6755-6765
- Pedersen, G.F.**, see Ji, Y., *TVT Feb. 2020* 1203-1213
- Pedersen, G.F.**, see Rodriguez-Cano, R., *TVT Aug. 2020* 8132-8139
- Pedersen, G.F.**, see Fan, W., *TVT Nov. 2020* 13910-13915
- Pedersen, K.I.**, see Karimi, A., *TVT Oct. 2020* 12136-12147
- Pedone, S.**, and Fagiolini, A., Racecar Longitudinal Control in Unknown and Highly-Varying Driving Conditions; *TVT Nov. 2020* 12521-12535
- Pei, C.**, see Zhe, T., *TVT May 2020* 4907-4919
- Pei, H.**, Hu, X., Yang, Y., Peng, H., Hu, L., and Lin, X., Designing Multi-Mode Power Split Hybrid Electric Vehicles Using the Hierarchical Topological Graph Theory; *TVT July 2020* 7159-7171
- Pei, Q.**, see Feng, J., *TVT July 2020* 7863-7878
- Pei, X.**, Yu, H., Wen, M., Li, Q., and Ding, Z., Secure Outage Analysis for Cooperative NOMA Systems With Antenna Selection; *TVT April 2020* 4503-4507
- Pei, X.**, Yu, H., Chen, Y., Wen, M., and Chen, G., Hybrid Multicast/Uncast Design in NOMA-Based Vehicular Caching System; *TVT Dec. 2020* 16304-16308
- Pei, Y.**, see Hu, S., *TVT Jan. 2020* 564-577
- Pekoz, B.**, Ankarali, Z.E., Kose, S., and Arslan, H., Non-Redundant OFDM Receiver Windowing for 5G Frames and Beyond; *TVT Jan. 2020* 676-684
- Pekoz, B.**, Kose, S., and Arslan, H., Extensionless Adaptive Transmitter and Receiver Windowing of Beyond 5G Frames; *TVT Feb. 2020* 1888-1902
- Pelletier, L.**, LeBel, F., Antunes, C.H., and Trovao, J.P.F., Sizing of a Battery Pack Based on Series/Parallel Configurations for a High-Power Electric Vehicle as a Constrained Optimization Problem; *TVT Dec. 2020* 14150-14159
- Peng, A.**, see Jiang, Y., *TVT May 2020* 5219-5231
- Peng, D.**, see Lai, K., *TVT Nov. 2020* 13341-13356
- Peng, H.**, see Yang, Y., *TVT Feb. 2020* 1639-1650
- Peng, H.**, Wang, W., An, Q., Xiang, C., and Li, L., Path Tracking and Direct Yaw Moment Coordinated Control Based on Robust MPC With the Finite Time Horizon for Autonomous Independent-Drive Vehicles; *TVT June 2020* 6053-6066
- Peng, H.**, see Pei, H., *TVT July 2020* 7159-7171
- Peng, J.**, see Lian, R., *TVT Aug. 2020* 8367-8380
- Peng, J.**, see Wang, H., *TVT Oct. 2020* 10484-10493
- Peng, L.**, Zhang, J., Liu, M., and Hu, A., Deep Learning Based RF Fingerprint Identification Using Differential Constellation Trace Figure; *TVT Jan. 2020* 1091-1095
- Peng, L.**, see Zhang, X., *TVT June 2020* 6107-6118
- Peng, M.**, see Liu, X., *TVT March 2020* 2878-2890

- Peng, M.**, see Xiang, H., *TVT April 2020 4271-4284*
- Peng, M.**, see Rahman, G.M.S., *TVT April 2020 4401-4411*
- Peng, Y.**, see Huang, H., *TVT Jan. 2020 1065-1069*
- Peng, Y.**, see Li, J., *TVT Jan. 2020 1106-1110*
- Peng, Y.**, see Qin, H., *TVT April 2020 4542-4547*
- Peng, Y.**, see Han, G., *TVT Aug. 2020 8959-8971*
- Peng, Y.**, see Luo, S., *TVT Nov. 2020 14067-14071*
- Peppas, K.P.**, see Du, H., *TVT Feb. 2020 1855-1866*
- Perera, T.D.P.**, see Jayakody, D.N.K., *TVT Jan. 2020 578-592*
- Perez, A.**, see Diaz, C., *TVT July 2020 7187-7200*
- Perez-Romero, J.**, and Sallent, O., Optimization of Multitenant Radio Admission Control Through a Semi-Markov Decision Process; *TVT Jan. 2020 862-875*
- Perez-Rua, J.**, see Mantilla-Perez, P., *TVT May 2020 5025-5040*
- Pesch, D.**, see Nguyen, H., *TVT July 2020 6902-6915*
- Peters, G.**, see Wang, L., *TVT May 2020 5583-5597*
- Petit, J.**, see Kamel, J., *TVT June 2020 6631-6643*
- Petkovic, M.I.**, Cvetkovic, A.M., Narandzic, M., Chatzidiamantis, N.D., Vukobratovic, D., and Karagiannidis, G.K., Mixed RF-VLC Relaying Systems for Interference-Sensitive Mobile Applications; *TVT Oct. 2020 11099-11111*
- Petrov, V.**, see Solomitchik, D., *TVT Feb. 2020 1227-1236*
- Petrov, V.**, Moltchanov, D., Koucheryavy, Y., and Jornet, J.M., Capacity and Outage of Terahertz Communications With User Micro-Mobility and Beam Misalignment; *TVT June 2020 6822-6827*
- Pfadler, A.**, Ballesteros, C., Romeu, J., and Jofre, L., Hybrid Massive MIMO for Urban V2I: Sub-6 GHz vs mmWave Performance Assessment; *TVT May 2020 4652-4662*
- Pham, Q.**, Nguyen, H.T., Han, Z., and Hwang, W., Coalitional Games for Computation Offloading in NOMA-Enabled Multi-Access Edge Computing; *TVT Feb. 2020 1982-1993*
- Pham, Q.**, Mirjalili, S., Kumar, N., Alazab, M., and Hwang, W., Whale Optimization Algorithm With Applications to Resource Allocation in Wireless Networks; *TVT April 2020 4285-4297*
- Pham, Q.**, see Fang, F., *TVT Nov. 2020 14088-14092*
- Pham, X.N.**, see Nguyen, B.C., *TVT Aug. 2020 8555-8567*
- Pholboon, S.**, see Song, T., *TVT Sept. 2020 9634-9642*
- Piao, G.**, see Gao, S., *TVT June 2020 5784-5798*
- Piao, J.**, Niu, K., Dai, J., and Dong, C., Sphere Constraint Based Enumeration Methods to Analyze the Minimum Weight Distribution of Polar Codes; *TVT Oct. 2020 11557-11569*
- Picano, B.**, see Fantacci, R., *TVT March 2020 3179-3189*
- Picano, B.**, see Fantacci, R., *TVT Oct. 2020 12004-12014*
- Pioro, M.**, see Moradi, F., *TVT Jan. 2020 607-621*
- Piro, G.**, see Rago, A., *TVT Sept. 2020 10362-10374*
- Pischella, M.**, see Ozbek, B., *TVT June 2020 6189-6199*
- Pishro-Nik, H.**, see Enayati, S., *TVT Jan. 2020 1096-1100*
- Pizzi, S.**, see Rinaldi, F., *TVT Feb. 2020 2058-2070*
- Ploeg, J.**, see Xing, H., *TVT Feb. 2020 1177-1189*
- Pokhrel, S.R.**, and Choi, J., Improving TCP Performance Over WiFi for Internet of Vehicles: A Federated Learning Approach; *TVT June 2020 6798-6802*
- Poor, H.V.**, see Lin, J., *TVT Feb. 2020 1612-1625*
- Poor, H.V.**, see Nasir, A.A., *TVT March 2020 2943-2956*
- Poor, H.V.**, see Zeng, M., *TVT June 2020 6788-6792*
- Poor, H.V.**, see Huang, S., *TVT Oct. 2020 11697-11711*
- Popa, L.**, see Groza, B., *TVT June 2020 6129-6140*
- Popovski, P.**, see Marinello, J.C., *TVT Nov. 2020 13305-13318*
- Popovski, P.**, see Maham, B., *TVT Dec. 2020 16299-16303*
- Pourtau, T.**, see Li, Y., *TVT Dec. 2020 14588-14601*
- Pozzato, G.**, see Corno, M., *TVT Jan. 2020 258-269*
- Pradhan, B.**, Nandi, A., Hui, N.B., Roy, D.S., C. Rodrigues, J.J.P., A Novel Hybrid Neural Network-Based Multirobot Path Planning With Motion Coordination; *TVT Feb. 2020 1319-1327*
- Pradhan, C.**, Li, A., Song, L., Li, J., Vucetic, B., and Li, Y., Reconfigurable Intelligent Surface (RIS)-Enhanced Two-Way OFDM Communications; *TVT Dec. 2020 16270-16275*
- Prakriya, S.**, see Kumar, V., *TVT Oct. 2020 11241-11252*
- Prakriya, S.**, see Agrawal, K., *TVT Nov. 2020 13952-13957*
- Prathima, A.**, Gurjar, D.S., Nguyen, H.H., and Bhardwaj, A., Performance Analysis and Optimization of Bidirectional Overlay Cognitive Radio Networks With Hybrid-SWIPT; *TVT Nov. 2020 13467-13481*
- Preindl, M.**, see Agrawal, B., *TVT June 2020 6094-6106*
- Pu, G.**, see Liu, H., *TVT April 2020 4221-4232*
- Pu, Q.**, Zhu, X., Zhang, R., Liu, J., Cai, D., and Fu, G., Speed Profile Tracking by an Adaptive Controller for Subway Train Based on Neural Network and PID Algorithm; *TVT Oct. 2020 10656-10667*
- Pusane, A.E.**, see Sandal, Y.S., *TVT Dec. 2020 15346-15356*

Q

- Qaraqe, K.**, see Nauryzbayev, G., *TVT June 2020 6828-6832*
- Qaraqe, K.**, see Althunibat, S., *TVT June 2020 6325-6332*
- Qaraqe, K.**, see Belaoura, W., *TVT Nov. 2020 12912-12920*
- Qazani, M.R.C.**, Asadi, H., Mohamed, S., and Nahavandi, S., Prepositioning of a Land Vehicle Simulation-Based Motion Platform Using Fuzzy Logic and Neural Network; *TVT Oct. 2020 10446-10456*
- Qi, C.**, Sun, X., Deng, Y., and Nallanathan, A., QoS Constrained Pilot Allocation Scheme for Massive MIMO Systems; *TVT May 2020 5661-5665*
- Qi, C.**, see Li, Z., *TVT Oct. 2020 12317-12320*
- Qi, F.**, see Guo, S., *TVT May 2020 5549-5561*
- Qi, H.**, see Yu, J., *TVT Dec. 2020 14277-14289*
- Qi, L.**, see Dou, Z., *TVT Feb. 2020 1727-1740*
- Qi, Q.**, see Fu, X., *TVT June 2020 6670-6679*
- Qi, Q.**, Zhang, L., Wang, J., Sun, H., Zhuang, Z., Liao, J., and Yu, F.R., Scalable Parallel Task Scheduling for Autonomous Driving Using Multi-Task Deep Reinforcement Learning; *TVT Nov. 2020 13861-13874*
- Qi, W.**, Landfeldt, B., Song, Q., Guo, L., and Jamalipour, A., Traffic Differentiated Clustering Routing in DSRC and C-V2X Hybrid Vehicular Networks; *TVT July 2020 7723-7734*
- Qi, X.**, see Lin, C., *TVT May 2020 5481-5493*
- Qian, B.**, Zhou, H., Ma, T., Xu, Y., Yu, K., Shen, X., and Hou, F., Leveraging Dynamic Stackelberg Pricing Game for Multi-Mode Spectrum Sharing in 5G-VANET; *TVT June 2020 6374-6387*
- Qian, L.**, Wu, Y., Ouyang, J., Shi, Z., Lin, B., and Jia, W., Latency Optimization for Cellular Assisted Mobile Edge Computing via Non-Orthogonal Multiple Access; *TVT May 2020 5494-5507*
- Qian, Y.**, see Zhang, J., *TVT March 2020 3217-3230*
- Qian, Y.**, see Huang, J., *TVT Aug. 2020 8542-8554*
- Qian, Y.**, see Gyawali, S., *TVT Aug. 2020 8871-8885*
- Qian, Y.**, see Wang, Y., *TVT Dec. 2020 16309-16313*
- Qian, Z.**, see Wang, X., *TVT June 2020 6452-6462*
- Qiao, D.**, see Kim, T., *TVT Nov. 2020 13796-13811*
- Qiao, L.**, Zhang, J., Gao, Z., Chen, S., and Hanzo, L., Compressive Sensing Based Massive Access for IoT Relying on Media Modulation Aided Machine Type Communications; *TVT Sept. 2020 10391-10396*
- Qiao, L.**, see Zhai, C., *TVT Oct. 2020 11014-11027*
- Qiao, X.**, see Cheng, C., *TVT Sept. 2020 9566-9576*
- Qin, D.**, Wang, Y., and Zhou, T., Performance Analysis of Bidirectional AF Based Cooperative Vehicular Networks; *TVT Feb. 2020 2274-2279*
- Qin, D.**, see Li, J., *TVT June 2020 6011-6024*
- Qin, H.**, Cao, B., Chen, W., Xiao, X., and Peng, Y., WiFi-Assisted Control Traffic Offloading in Vehicular Environments; *TVT April 2020 4542-4547*
- Qin, J.**, see Xie, B., *TVT April 2020 4596-4600*
- Qin, J.**, see Zheng, J., *TVT Nov. 2020 13942-13946*
- Qin, J.**, see Gao, K., *TVT Dec. 2020 16142-16154*
- Qin, K.**, see Tang, J., *TVT Oct. 2020 11077-11089*
- Qin, M.**, Chen, L., Zhao, N., Chen, Y., Yu, F.R., and Wei, G., Computing and Relaying: Utilizing Mobile Edge Computing for P2P Communications; *TVT Feb. 2020 1582-1594*
- Qin, N.**, see Li, X., *TVT March 2020 3105-3118*
- Qin, S.**, see Wang, Y., *TVT Oct. 2020 12124-12135*
- Qin, S.**, see Liu, Y., *TVT Dec. 2020 15731-15745*
- Qin, Y.**, see Huang, Y., *TVT Jan. 2020 55-66*
- Qin, Y.**, see Kou, L., *TVT March 2020 2513-2524*
- Qin, Y.**, see Tang, G., *TVT June 2020 5889-5900*

- Qin, Z.**, see Rahim, M.A., *TVT Jan. 2020 163-171*
- Qin, Z.**, see Liang, P., *TVT Aug. 2020 9217-9222*
- Qiu, B.**, Wang, L., Xie, J., Zhang, Z., Wang, Y., and Tao, M., Multi-Beam Index Modulation With Cooperative Legitimate Users Schemes Based on Frequency Diverse Array; *TVT Oct. 2020 11028-11041*
- Qiu, T.**, see Liu, H., *TVT Jan. 2020 971-982*
- Qiu, T.**, see Wang, X., *TVT Sept. 2020 9497-9508*
- Qiu, W.**, see Xue, W., *TVT Nov. 2020 13196-13205*
- Qiu, X.**, see Guo, S., *TVT May 2020 5549-5561*
- Qiu, Z.**, see Guo, K., *TVT April 2020 4257-4270*
- Qu, Q.**, Wei, S., Liu, S., Liang, J., and Shi, J., JRNNet: Jamming Recognition Networks for Radar Compound Suppression Jamming Signals; *TVT Dec. 2020 15035-15045*
- Qu, S.**, see Yang, F., *TVT Jan. 2020 771-783*
- Qu, S.**, Zhang, Q., Zhang, J., Sun, Y., and Wang, X., Performance Analysis on Distributed Storage Systems in Ring Networks; *TVT July 2020 7762-7777*
- Qu, T.**, see Zhang, Y., *TVT Jan. 2020 338-348*
- Qu, T.**, see Gao, B., *TVT Nov. 2020 12482-12496*
- Qu, X.**, see Ma, H., *TVT March 2020 3449-3453*
- Qu, X.**, Liu, E., Wang, R., and Ma, H., Complex Network Analysis of VANET Topology With Realistic Vehicular Traces; *TVT April 2020 4426-4438*
- Quan, Z.**, see Wu, J., *TVT Nov. 2020 12786-12796*
- Quek, T.Q.S.**, see Guo, K., *TVT April 2020 4257-4270*
- Quek, T.Q.S.**, see Wen, W., *TVT July 2020 7879-7894*
- Quek, T.Q.S.**, see Sun, H., *TVT Nov. 2020 13741-13755*
- Quer, S.**, see Montrucchio, B., *TVT Dec. 2020 15786-15799*
- Quintero, V.**, see Diaz, C., *TVT July 2020 7187-7200*

R

- R. T., R.**, Sen, D., Das, G., Viterbo, E., and Hong, Y., On Distance Statistics of First Arriving Multi-Paths in Indoor mm-Wave Communications; *TVT Dec. 2020 16218-16223*
- Rabia, S.I.**, see Tayel, A.F., *TVT Oct. 2020 11253-11265*
- Rabie, K.M.**, see Zhang, Y., *TVT Nov. 2020 13482-13496*
- Radnosrati, K.**, Fritsche, C., Gunnarsson, F., Gustafsson, F., and Hendeby, G., Localization in 3GPP LTE Based on One RTT and One TDOA Observation; *TVT March 2020 3399-3411*
- Rago, A.**, Piro, G., Boggia, G., and Dini, P., Multi-Task Learning at the Mobile Edge: An Effective Way to Combine Traffic Classification and Prediction; *TVT Sept. 2020 10362-10374*
- Rahim, M.A.**, Zhu, L., Li, X., Liu, J., Zhang, Z., Qin, Z., Khan, S., and Gai, K., Zero-to-Stable Driver Identification: A Non-Intrusive and Scalable Driver Identification Scheme; *TVT Jan. 2020 163-171*
- Rahman, G.M.S.**, Peng, M., Yan, S., and Dang, T., Learning Based Joint Cache and Power Allocation in Fog Radio Access Networks; *TVT April 2020 4401-4411*
- Rahman, M.**, see Islam, M., *TVT Sept. 2020 9402-9416*
- Rai, M.K.**, see Kumar, G., *TVT July 2020 7707-7722*
- Raisz, D.**, see Ali, A., *TVT May 2020 4763-4772*
- Rajabi, S.**, see Rashed, S.K., *TVT Aug. 2020 8443-8458*
- Rajan, B.S.**, see Pachat, J., *TVT Oct. 2020 11926-11936*
- Rajan, D.**, see Huang, P., *TVT May 2020 4635-4651*
- Rajan, D.**, see Liu, H., *TVT Oct. 2020 11295-11307*
- Rajan, D.**, see Badi, M., *TVT Dec. 2020 14989-15004*
- Rakheja, S.**, see Taghavifar, H., *TVT Jan. 2020 67-77*
- Ramesh, A.**, see Kulkarni, A., *TVT Jan. 2020 443-456*
- Ramezani, P.**, and Jamalipour, A., Two-Way Dual-Hop WPCN With A Practical Energy Harvesting Model; *TVT July 2020 8013-8017*
- Ran, L.**, see Du, P., *TVT Oct. 2020 12162-12174*
- Ran, Z.**, see Gao, Q., *TVT Nov. 2020 14083-14087*
- Rao, J.**, see Li, C., *TVT April 2020 4192-4206*
- Rao, R.M.**, Marojevic, V., and Reed, J.H., Semi-Blind Post-Equalizer SINR Estimation and Dual CSI Feedback for Radar-Cellular Coexistence; *TVT Sept. 2020 9720-9735*
- Raphel, F.**, and Sameer, S.M., A Speed Adaptive Joint Subcarrier and Power Allocation Technique for Downlink OFDMA Video Transmission Over Doubly Selective Channels; *TVT Feb. 2020 1879-1887*
- Rashed, S.K.**, Asvadi, R., Rajabi, S., Ghorashi, S.A., and Martini, M.G., Power Allocation for D2D Communications Using Max-Min Message-Passing Algorithm; *TVT Aug. 2020 8443-8458*
- Rasti, M.**, see Aslani, R., *TVT Aug. 2020 8601-8612*
- Rastorgueva-Foi, E.**, Galinina, O., Costa, M., Koivisto, M., Talvitie, J., Andreev, S., and Valkama, M., Networking and Positioning Co-Design in Multi-Connectivity Industrial mmW Systems; *TVT Dec. 2020 15842-15856*
- Ratnarajah, T.**, see Swami, P., *TVT April 2020 4516-4521*
- Raut, P.**, Sharma, P.K., Tsiftsis, T.A., and Zou, Y., Power-Time Splitting-Based Non-Linear Energy Harvesting in FD Short-Packet Communications; *TVT Aug. 2020 9146-9151*
- Raviteja, P.**, see Sinha, A.K., *TVT Dec. 2020 15078-15094*
- Rawat, D.B.**, see Singh, P.K., *TVT Oct. 2020 11383-11393*
- Razavi, A.**, see Kildal, M.S., *TVT Nov. 2020 13165-13179*
- Razi, A.**, Optimal Measurement Policy for Linear Measurement Systems With Applications to UAV Network Topology Prediction; *TVT Feb. 2020 1970-1981*
- Razzaghi, R.**, see Veysi, M., *TVT Oct. 2020 10469-10483*
- Reed, J.H.**, see Rao, R.M., *TVT Sept. 2020 9720-9735*
- Regan, A.C.**, see Xiao, Z., *TVT Dec. 2020 14537-14549*
- Reineri, M.**, see Iorio, M., *TVT Nov. 2020 13450-13466*
- Ren, G.**, see Zhao, B., *TVT July 2020 7354-7365*
- Ren, G.**, see He, Y., *TVT Oct. 2020 11479-11490*
- Ren, G.**, see Xu, Y., *TVT Nov. 2020 13018-13032*
- Ren, H.**, Pan, C., Wang, K., Xu, W., Elkashlan, M., and Nallanathan, A., Joint Transmit Power and Placement Optimization for URLLC-Enabled UAV Relay Systems; *TVT July 2020 8003-8007*
- Ren, H.**, Chen, S., Yang, L., and Zhao, Y., Optimal Path Planning and Speed Control Integration Strategy for UGVs in Static and Dynamic Environments; *TVT Oct. 2020 10619-10629*
- Ren, H.**, see Chen, Y., *TVT Dec. 2020 14602-14617*
- Ren, J.**, see Wu, F., *TVT Jan. 2020 901-913*
- Ren, J.**, Lei, X., Diamantoulakis, P.D., Chen, Q., and Karagiannidis, G.K., Buffer-Aided Secure Relay Networks With SWIPT; *TVT June 2020 6485-6499*
- Ren, J.**, Mahfujul, K.M., Lyu, F., Yue, S., and Zhang, Y., Joint Channel Allocation and Resource Management for Stochastic Computation Offloading in MEC; *TVT Aug. 2020 8900-8913*
- Ren, J.**, see Bai, J., *TVT Sept. 2020 9656-9666*
- Ren, J.**, see He, Y., *TVT Nov. 2020 13593-13605*
- Ren, Q.**, see Zheng, J., *TVT June 2020 6603-6618*
- Ren, S.**, see Le, T.H.T., *TVT Dec. 2020 15162-15176*
- Ren, X.**, see Han, S., *TVT Oct. 2020 10772-10786*
- Ren, Y.**, see Zhang, H., *TVT Feb. 2020 1766-1776*
- Ren, Y.**, Shen, Y., Zhang, Z., You, X., and Zhang, C., Efficient Belief Propagation Polar Decoder With Loop Simplification Based Factor Graphs; *TVT May 2020 5657-5660*
- Ren, Y.**, Chin, K., and Soh, S., A Distributed Link Scheduler for In-Band Full Duplex Wireless Networks; *TVT May 2020 5255-5267*
- Ren, Y.**, see Guan, Y., *TVT Nov. 2020 12597-12608*
- Renzo, M.D.**, see Papazafeiropoulos, A., *TVT April 2020 3523-3537*
- Renzo, M.D.**, see Liu, S., *TVT Aug. 2020 9223-9228*
- Renzo, M.D.**, see Yang, L., *TVT Sept. 2020 10385-10390*
- Renzo, M.D.**, see Yang, L., *TVT Oct. 2020 12296-12300*
- Rets, S.**, see Trofimiuk, G., *TVT Oct. 2020 10988-10999*
- Reus-Muns, G.**, see Soltani, N., *TVT Dec. 2020 15518-15531*
- Reviriego, P.**, see Liu, S., *TVT Nov. 2020 13718-13727*
- Rezaee, M.**, see Dabiri, M.T., *TVT Dec. 2020 14238-14246*
- Riaz, S.**, Khan, F.A., Saleem, S., and Ahmed, Q.Z., Reducing the Mutual Outage Probability of Cooperative Non-Orthogonal Multiple Access; *TVT Dec. 2020 16207-16212*
- Riba, J.**, see Candelo-Zuluaga, C., *TVT Dec. 2020 14448-14457*
- Ricco, M.**, Zanchetta, M., Rizzo, G.C., Tavernini, D., Sornioti, A., Chatzikomis, C., Velardocchia, M., Geraerts, M., and Dhaens, M., On the Design

of Yaw Rate Control via Variable Front-to-Total Anti-Roll Moment Distribution; *TVT Feb. 2020 1388-1403*

Richard Yu, F., see Hassija, V., *TVT June 2020 5945-5957*

Riera-Palou, F., see Femenias, G., *TVT Dec. 2020 15200-15215*

Rievers, B., see Xiong, J., *TVT Sept. 2020 9528-9541*

Rinaldi, F., Pizzi, S., Orsino, A., Iera, A., Molinaro, A., and Araniti, G., A Novel Approach for MBSFN Area Formation Aided by D2D Communications for eMBB Service Delivery in 5G NR Systems; *TVT Feb. 2020 2058-2070*

Risso, F., see Iorio, M., *TVT Nov. 2020 13450-13466*

Ristorcelli, T., see Li, Y., *TVT Dec. 2020 14588-14601*

Rizos, C., see Jiang, W., *TVT Oct. 2020 10519-10530*

Rizzo, G.C., see Ricco, M., *TVT Feb. 2020 1388-1403*

Ro, J., see Gabdullin, N., *TVT May 2020 5000-5011*

Robba, M., see Ferro, G., *TVT Dec. 2020 14436-14447*

Robuschi, N., Salazar, M., Viscera, N., Braghin, F., and Onder, C.H., Minimum-Fuel Energy Management of a Hybrid Electric Vehicle via Iterative Linear Programming; *TVT Dec. 2020 14575-14587*

Rodrigues, J.J.P.C., see Hassija, V., *TVT April 2020 4182-4191*

Rodrigues, J.J.P.C., see Sutrala, A.K., *TVT May 2020 5535-5548*

Rodrigues, J.J.P.C., see Kumar, G., *TVT July 2020 7707-7722*

Rodriguez, R., see Guo, J., *TVT July 2020 7131-7145*

Rodriguez-Cano, R., Zhao, K., Zhang, S., and Pedersen, G.F., Handset Frame Blockage Reduction of 5G mm-Wave Phased Arrays Using Hard Surface Inspired Structure; *TVT Aug. 2020 8132-8139*

Rodriguez-Pineiro, J., see Dominguez-Bolano, T., *TVT Oct. 2020 11458-11469*

Rogenfelt, A., see Jonasson, M., *TVT May 2020 4788-4802*

Rolle, B., see Morlock, F., *TVT Feb. 2020 1404-1418*

Rolle, B., see Sagert, C., *TVT Oct. 2020 10736-10749*

Romeu, J., see Pfadler, A., *TVT May 2020 4652-4662*

Rong, Y., see Li, B., *TVT March 2020 2376-2388*

Rong, Y., see Miao, M., *TVT June 2020 6813-6817*

Ronnquist, A., see Song, Y., *TVT Oct. 2020 10596-10605*

Ros, M., see Fei, J., *TVT July 2020 7835-7846*

Ros, M., see Fei, J., *TVT Dec. 2020 15908-15919*

Rossi, M., see Hussain, M., *TVT Nov. 2020 13072-13086*

Roy, A., see Pathak, N., *TVT June 2020 6731-6738*

Roy, A., see Deb, P.K., *TVT Dec. 2020 15978-15987*

Roy, C., see Dass, P., *TVT Sept. 2020 9509-9517*

Roy, C., see Deb, P.K., *TVT Dec. 2020 15978-15987*

Roy, D.S., see Pradhan, B., *TVT Feb. 2020 1319-1327*

Rozas, H., see Diaz, C., *TVT July 2020 7187-7200*

Ruan, L., see Xiong, F., *TVT Aug. 2020 9002-9016*

Ruan, L., see Xu, Y., *TVT Nov. 2020 13018-13032*

Ruffo, R., see Cirimele, V., *TVT March 2020 2501-2512*

Rui, W., see Lv, Z., *TVT Aug. 2020 8192-8206*

Rui, X., Zeng, Z., Zhang, Y., Li, Y., Feng, H., Huang, X., and Sha, Z., Design and Experimental Investigation of a Self-Tuning Piezoelectric Energy Harvesting System for Intelligent Vehicle Wheels; *TVT Feb. 2020 1440-1451*

Ruiz, C.G., Pascual-Iserte, A., and Munoz, O., Analysis of Blocking in mmWave Cellular Systems: Characterization of the LOS and NLOS Intervals in Urban Scenarios; *TVT Dec. 2020 16247-16252*

Rupp, M., see Liu, W., *TVT Nov. 2020 13556-13566*

Rusek, F., see Bengtsson, E.L., *TVT Jan. 2020 418-427*

Ryan, D.J., see Veysi, M., *TVT Oct. 2020 10469-10483*

S

Sabbaghian, M., see Mokhtari, Z., *TVT Aug. 2020 8065-8079*

Saberinia, E., see Aslani, R., *TVT Aug. 2020 8601-8612*

Saci, A., Al-Dweik, A., and Shami, A., Direct Data Detection of OFDM Signals Over Wireless Channels; *TVT Nov. 2020 12432-12448*

Sadio, O., Ngom, I., and Lishou, C., Design and Prototyping of a Software Defined Vehicular Networking; *TVT Jan. 2020 842-850*

Sadler, B.M., see Kong, J., *TVT Sept. 2020 9682-9696*

Saeedi, H., see Enayati, S., *TVT Jan. 2020 1096-1100*

Saez, D., see Diaz, C., *TVT July 2020 7187-7200*

Sagduyu, Y.E., see Shi, Y., *TVT Jan. 2020 760-770*

Sagert, C., Rolle, B., Walter, M., and Sawodny, O., Current and Voltage Harmonics in the Powertrain of Electric Vehicles; *TVT Oct. 2020 10736-10749*

Saha, R., see Kumar, G., *TVT July 2020 7707-7722*

Saha, S., see Bera, B., *TVT Aug. 2020 9097-9111*

Saini, R., see Thapar, S., *TVT Nov. 2020 13259-13272*

Sait, S.M., see Karbalayghareh, M., *TVT July 2020 6891-6901*

Sakai, K., see Ting, P., *TVT Aug. 2020 8257-8266*

Saki, M., Abolhasan, M., Lipman, J., and Jamalipour, A., A Comprehensive Access Point Placement for IoT Data Transmission Through Train-Wayside Communications in Multi-Environment Based Rail Networks; *TVT Oct. 2020 11937-11949*

Salazar, M., see Robuschi, N., *TVT Dec. 2020 14575-14587*

Saleem, S., see Akhtar, M.W., *TVT Oct. 2020 11712-11727*

Saleem, S., see Riaz, S., *TVT Dec. 2020 16207-16212*

Saleem, U., Liu, Y., Jangsher, S., Tao, X., and Li, Y., Latency Minimization for D2D-Enabled Partial Computation Offloading in Mobile Edge Computing; *TVT April 2020 4472-4486*

Salehi, B., see Soltani, N., *TVT Dec. 2020 15518-15531*

Salleh, M.F.M., see Ojo, F.K., *TVT May 2020 5079-5088*

Sallent, O., see Perez-Romero, J., *TVT Jan. 2020 862-875*

Salous, S., see Zhou, T., *TVT Aug. 2020 8107-8118*

Saluja, D., see Singh, R., *TVT July 2020 6977-6986*

Sama, K., Morales, Y., Liu, H., Akai, N., Carballo, A., Takeuchi, E., and Takeda, K., Extracting Human-Like Driving Behaviors From Expert Driver Data Using Deep Learning; *TVT Sept. 2020 9315-9329*

Samara, L., Gouisse, A., Hamila, R., Hasna, M.O., and Al-Dhahir, N., Full-Duplex Amplify-and-Forward Relaying Under I/Q Imbalance; *TVT July 2020 7966-7970*

Samarakoon, S., see Khan, H., *TVT April 2020 3513-3522*

Sameer, S.M., see Raphel, F., *TVT Feb. 2020 1879-1887*

Samir, M., Assi, C., Sharafeddine, S., Ebrahimi, D., and Ghreyeb, A., Age of Information Aware Trajectory Planning of UAVs in Intelligent Transportation Systems: A Deep Learning Approach; *TVT Nov. 2020 12382-12395*

Sanan, D., see Cheng, K., *TVT July 2020 7116-7130*

Sancheti, A., see Chamola, V., *TVT Oct. 2020 10569-10580*

Sanchez, J.D.V., Osorio, D.P.M., Lopez-Martinez, F.J., Paredes, M.C.P., and Urquiza-Aguilar, L.F., On The Secrecy Performance Over N-Wave With Diffuse Power Fading Channel; *TVT Dec. 2020 15137-15148*

Sandal, Y.S., Pusane, A.E., Kurt, G.K., and Benedetto, F., Reputation Based Attacker Identification Policy for Multi-Access Edge Computing in Internet of Things; *TVT Dec. 2020 15346-15356*

Sanders, C., and Wang, Y., Localizing Spoofing Attacks on Vehicular GPS Using Vehicle-to-Vehicle Communications; *TVT Dec. 2020 15656-15667*

Sandoval, J.A., see Taylor, A.H., *TVT Oct. 2020 10506-10518*

Saneie, H., Nasiri-Gheidari, Z., and Tootoonchian, F., Structural Design and Analysis of a High Reliability Multi-Turn Wound-Rotor Resolver for Electric Vehicle; *TVT May 2020 4992-4999*

Sankar, G.S., and Han, K., Adaptive Robust Game-Theoretic Decision Making Strategy for Autonomous Vehicles in Highway; *TVT Dec. 2020 14484-14493*

Sanson, J.B., M. Tome, P., Castanheira, D., Gameiro, A., P. Monteiro, P., High-Resolution Delay-Doppler Estimation Using Received Communication Signals for OFDM Radar-Communication System; *TVT Nov. 2020 13112-13123*

Santamaria, I., see Soleymani, M., *TVT Oct. 2020 11632-11645*

Santoso, P.S., see Lin, C., *TVT Feb. 2020 1505-1518*

Sari, A., see German, R., *TVT Jan. 2020 328-337*

Sari, H., see Huang, H., *TVT Jan. 2020 1117-1121*

Sari, H., see Wang, Y., *TVT May 2020 5688-5692*

Sarlioglu, B., see Liu, M., *TVT Feb. 2020 1464-1472*

Sasidharan, D.K., see Singh, A., *TVT June 2020 6415-6421*

Sato, H., see Uno, M., *TVT Dec. 2020 14689-14700*

Sato, R., and Fukumoto, S., Response-Time Analysis for Controller Area Networks With Randomly Occurring Messages; *TVT April 2020 3893-3902*

Sawodny, O., see Morlock, F., *TVT Feb. 2020 1404-1418*

Sawodny, O., see Sagert, C., *TVT Oct. 2020 10736-10749*

Saxena, V., see Hassija, V., *TVT June 2020 5945-5957*

Sayed, N.E., see Cirimele, V., *TVT March 2020 2501-2512*

- Scalabrin, M.**, *see* Hussain, M., *TVT Nov. 2020 13072-13086*
- Scamarcio, A.**, Metzler, M., Gruber, P., De Pinto, S., and Sornioiti, A., Comparison of Anti-Jerk Controllers for Electric Vehicles With On-Board Motors; *TVT Oct. 2020 10681-10699*
- Schirrer, A.**, *see* Wasserburger, A., *TVT Dec. 2020 14424-14435*
- Schmeink, A.**, *see* Hu, Y., *TVT March 2020 3093-3104*
- Schmeink, A.**, *see* Hu, Y., *TVT May 2020 5672-5676*
- Schmeink, A.**, *see* Hu, Y., *TVT Aug. 2020 8972-8984*
- Schmid, S.**, *see* Bozkaya, R., *TVT Oct. 2020 12252-12263*
- Schmidhammer, M.**, *see* Walter, M., *TVT Oct. 2020 10419-10434*
- Schreier, P.J.**, *see* Soleymani, M., *TVT Oct. 2020 11632-11645*
- Schumacher, D.**, *see* Guo, J., *TVT July 2020 7131-7145*
- Schwarz, S.**, *see* Liu, W., *TVT Nov. 2020 13556-13566*
- Sciarrone, A.**, *see* Bisio, I., *TVT Aug. 2020 9083-9096*
- Seco-Granados, G.**, *see* Abu-Shaban, Z., *TVT June 2020 6388-6400*
- Seddik, K.G.**, *see* Sultan, R., *TVT March 2020 2850-2863*
- See, K.Y.**, *see* Wang, W., *TVT Sept. 2020 10000-10008*
- Seet, B.**, *see* Zhang, J., *TVT Feb. 2020 2114-2125*
- Seetharam, A.**, *see* Kulkarni, A., *TVT Jan. 2020 443-456*
- Seliem, H.**, Shahidi, R., Ahmed, M.H., and Shehata, M.S., Accurate Probability Distribution Calculation for Drone-Based Highway-VANETs; *TVT Jan. 2020 1127-1130*
- Selim, B.**, Alam, M.S., Kaddoum, G., and Agba, B.L., Effect of Impulsive Noise on Uplink NOMA Systems; *TVT March 2020 3454-3458*
- Selim, B.**, *see* Eshteiwi, K., *TVT July 2020 7503-7517*
- Selvaraj, M.D.**, *see* Maheswaran, P., *TVT Jan. 2020 537-551*
- Selver, M.A.**, *see* Toprak, T., *TVT May 2020 5041-5054*
- Seman, N.**, *see* Muhammad, N.A., *TVT June 2020 6178-6188*
- Semkin, V.**, *see* Solomitckii, D., *TVT Feb. 2020 1227-1236*
- Sen, D.**, *see* Kutty, S., *TVT Feb. 2020 1813-1827*
- Sen, D.**, *see* R. T., R., *TVT Dec. 2020 16218-16223*
- Senic, J.**, *see* Charbonnier, R., *TVT Dec. 2020 14264-14276*
- Senior, J.M.**, *see* Papazafeiropoulos, A., *TVT April 2020 3523-3537*
- Senol, H.**, *see* Basaran, M., *TVT Oct. 2020 11066-11076*
- Seo, H.**, *see* Kang, Y., *TVT Nov. 2020 13180-13195*
- Seo, J.**, Jin, H., Joung, J., and Jung, B.C., Uplink NOMA Random Access Systems With Space-Time Line Code; *TVT April 2020 4522-4526*
- Sepulcre, M.**, *see* Molina-Masegosa, R., *TVT May 2020 5713-5717*
- Sepulcre, M.**, *see* Thandavarayan, G., *TVT Dec. 2020 16336-16341*
- Sevim, O.**, Oksuz, H.Y., and Akar, M., Joint Frequency and Power Control for Self-Organizing OFDMA Femtocell Networks; *TVT May 2020 5089-5101*
- Sha, C.**, Sun, Y., and Malekian, R., Research on Cost-Balanced Mobile Energy Replenishment Strategy for Wireless Rechargeable Sensor Networks; *TVT March 2020 3135-3150*
- Sha, C.**, *see* Wu, P., *TVT April 2020 4207-4220*
- Sha, Z.**, *see* Rui, X., *TVT Feb. 2020 1440-1451*
- Sha, Z.**, Wang, Z., Chen, S., and Hanzo, L., Graph Theory Based Beam Scheduling for Inter-Cell Interference Avoidance in MmWave Cellular Networks; *TVT April 2020 3929-3942*
- Shafi, M.**, *see* Jiang, T., *TVT March 2020 2351-2364*
- Shafie, A.E.**, *see* Badawy, A., *TVT Oct. 2020 12343-12347*
- Shahbakhti, M.**, *see* Ma, X., *TVT Sept. 2020 9553-9565*
- ShahbazPanahi, S.**, *see* Tran, D., *TVT Sept. 2020 9483-9496*
- Shahidi, R.**, *see* Seliem, H., *TVT Jan. 2020 1127-1130*
- Shami, A.**, *see* Saci, A., *TVT Nov. 2020 12432-12448*
- Shan, H.**, *see* Li, J., *TVT March 2020 3267-3279*
- Shan, H.**, *see* Ahmed, A., *TVT April 2020 4601-4605*
- Shan, H.**, *see* Hong, C., *TVT Dec. 2020 15893-15907*
- Shan, H.**, *see* Zhang, S., *TVT Dec. 2020 15370-15384*
- Shan, Y.**, Zheng, B., Chen, L., Chen, L., and Chen, D., A Reinforcement Learning-Based Adaptive Path Tracking Approach for Autonomous Driving; *TVT Oct. 2020 10581-10595*
- Shang, C.**, *see* Fang, S., *TVT Oct. 2020 10531-10544*
- Shang, J.**, *see* Chen, P., *TVT Feb. 2020 1695-1705*
- Shang, J.**, Xu, W., Lee, C., Yuan, X., Zhang, P., and Lin, J., REF Codes: Intermediate Performance Oriented Fountain Codes With Feedback; *TVT Nov. 2020 13148-13164*
- Shang, L.**, *see* Lin, Q., *TVT Dec. 2020 14391-14400*
- Shao, J.**, *see* Chen, D., *TVT Oct. 2020 11963-11974*
- Shao, Q.**, *see* Zhou, J., *TVT Feb. 2020 1291-1308*
- Sharafeddine, S.**, *see* Samir, M., *TVT Nov. 2020 12382-12395*
- Shariati, N.**, *see* Tofigh, F., *TVT Jan. 2020 784-792*
- Sharif, B.**, *see* Ahmed, M.S., *TVT March 2020 2636-2648*
- Sharif, H.**, *see* Ghasemzadeh, P., *TVT Nov. 2020 13243-13258*
- Sharif, K.**, *see* Zhang, C., *TVT June 2020 6578-6591*
- Sharma, P.K.**, *see* Raut, P., *TVT Aug. 2020 9146-9151*
- Sharma, S.**, and Hong, Y., UWB Receiver via Deep Learning in MUI and ISI Scenarios; *TVT March 2020 3496-3499*
- Sharma, S.**, *see* Aujla, G.S., *TVT June 2020 5850-5863*
- Sharma, S.**, *see* Lamba, A.K., *TVT Oct. 2020 11790-11799*
- Sharma, V.**, *see* Khan, W.U., *TVT Dec. 2020 15284-15297*
- Shasadeghi, M.**, *see* Veysi, M., *TVT Oct. 2020 10469-10483*
- Shaver, G.M.**, *see* Taylor, A.H., *TVT Oct. 2020 10506-10518*
- Shayesteh, M.G.**, *see* Sobhi-Givi, S., *TVT Sept. 2020 9866-9881*
- Shehata, M.S.**, *see* Seliem, H., *TVT Jan. 2020 1127-1130*
- Shen, C.**, *see* Wang, X., *TVT April 2020 3916-3928*
- Shen, C.**, *see* Xu, Y., *TVT Oct. 2020 12312-12316*
- Shen, D.**, Lim, C., and Shi, P., Fuzzy Model Based Control for Energy Management and Optimization in Fuel Cell Vehicles; *TVT Dec. 2020 14674-14688*
- Shen, F.**, *see* Zhao, J., *TVT Jan. 2020 1141-1146*
- Shen, F.**, *see* Zhu, Y., *TVT Dec. 2020 15920-15932*
- Shen, H.**, *see* Xu, J., *TVT Aug. 2020 8670-8683*
- Shen, H.**, *see* Li, T., *TVT Sept. 2020 9330-9341*
- Shen, J.**, Liu, D., Chen, X., Li, J., Kumar, N., and Vijayakumar, P., Secure Real-Time Traffic Data Aggregation With Batch Verification for Vehicular Cloud in VANETs; *TVT Jan. 2020 807-817*
- Shen, L.**, Chen, Y., and Feng, K., Design and Analysis of Multi-User Association and Beam Training Schemes for Millimeter Wave Based WLANs; *TVT July 2020 7458-7472*
- Shen, L.**, and Feng, K., Mobility-Aware Subband and Beam Resource Allocation Schemes for Millimeter Wave Wireless Networks; *TVT Oct. 2020 11893-11908*
- Shen, L.**, Feng, K., and Hanzo, L., Coordinated Multiple Access Point Multiuser Beamforming Training Protocol for Millimeter Wave WLANs; *TVT Nov. 2020 13875-13889*
- Shen, L.**, *see* Zhu, Y., *TVT Dec. 2020 15920-15932*
- Shen, M.**, Zhang, J., Zhu, L., Xu, K., and Tang, X., Secure SVM Training Over Vertically-Partitioned Datasets Using Consortium Blockchain for Vehicular Social Networks; *TVT June 2020 5773-5783*
- Shen, S.**, *see* Fang, Z., *TVT Dec. 2020 15314-15324*
- Shen, S.**, *see* Xue, Q., *TVT Dec. 2020 14765-14779*
- Shen, T.**, *see* Zhang, J., *TVT Jan. 2020 182-193*
- Shen, T.**, *see* Xu, F., *TVT March 2020 2537-2551*
- Shen, W.**, *see* Wang, J., *TVT March 2020 2487-2500*
- Shen, W.**, *see* Ma, S., *TVT April 2020 4585-4589*
- Shen, W.**, *see* Liang, P., *TVT Aug. 2020 9217-9222*
- Shen, X.**, *see* Wu, F., *TVT Jan. 2020 901-913*
- Shen, X.**, *see* Sun, R., *TVT Jan. 2020 636-650*
- Shen, X.**, *see* Yu, Q., *TVT Feb. 2020 1777-1791*
- Shen, X.**, *see* Li, M., *TVT March 2020 3424-3438*
- Shen, X.**, *see* Wu, W., *TVT May 2020 5293-5306*
- Shen, X.**, *see* Huang, C., *TVT May 2020 4869-4882*
- Shen, X.**, *see* Qian, B., *TVT June 2020 6374-6387*
- Shen, X.**, *see* Liu, Y., *TVT July 2020 7281-7294*
- Shen, X.**, *see* Sun, R., *TVT Aug. 2020 8529-8541*
- Shen, X.**, *see* Yuan, Q., *TVT Aug. 2020 9041-9052*
- Shen, X.**, *see* Chen, J., *TVT Sept. 2020 10291-10305*
- Shen, X.**, *see* Gao, M., *TVT Sept. 2020 9643-9655*
- Shen, X.**, *see* Zhang, C., *TVT Sept. 2020 10336-10347*
- Shen, X.**, *see* Liu, P., *TVT Oct. 2020 10630-10641*
- Shen, X.**, *see* Lyu, L., *TVT Oct. 2020 12264-12276*
- Shen, X.**, *see* Liu, D., *TVT Dec. 2020 15694-15705*
- Shen, X.**, *see* Yang, H., *TVT Dec. 2020 14494-14509*
- Shen, X.**, *see* Jiang, Z., *TVT Dec. 2020 14290-14303*

- Shen, Y., *see* Wang, Y., *TVT Jan. 2020 1008-1022*
- Shen, Y., Li, L., Yang, J., Tan, X., Zhang, Z., You, X., and Zhang, C., Low-Latency Segmented List-Pruning Software Polar List Decoder; *TVT April 2020 3575-3589*
- Shen, Y., *see* Ren, Y., *TVT May 2020 5657-5660*
- Shen, Y., *see* Zhang, M., *TVT June 2020 6041-6052*
- Shen, Y., *see* Yang, Q., *TVT July 2020 6987-6999*
- Shen, Y., *see* Liu, Y., *TVT Oct. 2020 11756-11770*
- Shen, Z., Li, J., and Wu, Q., Data-Driven Interference Localization Using a Single Satellite Based on Received Signal Strength; *TVT Aug. 2020 8657-8669*
- Sheng, B., Fang, Y., Xiao, F., and Sun, L., An Accurate Device-Free Action Recognition System Using Two-Stream Network; *TVT July 2020 7930-7939*
- Sheng, J., Tang, Z., Wu, C., Ai, B., and Wang, Y., Game Theory-Based Multi-Objective Optimization Interference Alignment Algorithm for HSR 5G Heterogeneous Ultra-Dense Network; *TVT Nov. 2020 13371-13382*
- Sheng, M., Zheng, Y., Liu, J., Valaee, S., and Li, J., Accurate Indoor Localization Assisted With Optimizing Array Orientations and Receiver Positions; *TVT Jan. 2020 509-521*
- Sheng, M., *see* Guo, K., *TVT April 2020 4257-4270*
- Sheng, M., *see* He, L., *TVT June 2020 6848-6853*
- Sheng, X., and Shi, L., Mutual Inductance and Load Identification Method for Inductively Coupled Power Transfer System Based on Auxiliary Inverter; *TVT Feb. 2020 1533-1541*
- Shi, B., Pallotta, L., Giunta, G., Hao, C., and Orlando, D., Parameter Estimation of Fluctuating Two-Ray Model for Next Generation Mobile Communications; *TVT Aug. 2020 8684-8697*
- Shi, D., *see* Wang, J., *TVT Dec. 2020 14818-14833*
- Shi, G., *see* Chen, Y., *TVT Sept. 2020 9736-9749*
- Shi, J., *see* Liao, X., *TVT Jan. 2020 983-997*
- Shi, J., *see* Wen, F., *TVT Feb. 2020 1626-1638*
- Shi, J., *see* Chen, H., *TVT Feb. 2020 2306-2310*
- Shi, J., *see* Zhang, L., *TVT March 2020 2598-2612*
- Shi, J., *see* Yang, Q., *TVT March 2020 2967-2979*
- Shi, J., *see* Sun, Q., *TVT Nov. 2020 13289-13304*
- Shi, J., *see* Wang, C., *TVT Dec. 2020 15253-15268*
- Shi, J., *see* Qu, Q., *TVT Dec. 2020 15035-15045*
- Shi, J., *see* Han, R., *TVT Dec. 2020 16082-16094*
- Shi, J., Du, J., Wang, J., Wang, J., and Yuan, J., Priority-Aware Task Offloading in Vehicular Fog Computing Based on Deep Reinforcement Learning; *TVT Dec. 2020 16067-16081*
- Shi, J., *see* Chen, R., *TVT Dec. 2020 15113-15126*
- Shi, K., Zhang, X., Zhang, S., and Li, H., Time-Expanded Graph Based Energy-Efficient Delay-Bounded Multicast Over Satellite Networks; *TVT Sept. 2020 10380-10384*
- Shi, L., *see* Sheng, X., *TVT Feb. 2020 1533-1541*
- Shi, L., *see* Liu, Q., *TVT May 2020 5723-5728*
- Shi, L., Hu, R.Q., Ye, Y., and Zhang, H., Modeling and Performance Analysis for Ambient Backscattering Underlying Cellular Networks; *TVT June 2020 6563-6577*
- Shi, L., *see* Ye, Y., *TVT Aug. 2020 8938-8948*
- Shi, L., Hu, R.Q., Gunther, J., Ye, Y., and Zhang, H., Energy Efficiency for RF-Powered Backscatter Networks Using HTT Protocol; *TVT Nov. 2020 13932-13936*
- Shi, P., *see* Shen, D., *TVT Dec. 2020 14674-14688*
- Shi, Q., *see* Chen, W., *TVT Jan. 2020 1086-1090*
- Shi, Q., and Chen, X., Carpool for Big Data: Enabling Efficient Crowd Cooperation in Data Market for Pervasive AI; *TVT July 2020 7778-7789*
- Shi, Q., *see* Tang, X., *TVT Sept. 2020 9896-9909*
- Shi, Q., Li, X., Zhang, T., Cui, G., and Kong, L., OQAM-OFDM Radar Approximated IRCI-Free Pulse Compression; *TVT Sept. 2020 10009-10018*
- Shi, S., *see* Zhang, M., *TVT June 2020 6041-6052*
- Shi, S., Zhang, M., Lin, N., and Yue, B., Low-Cost Reconstruction of Typical Driving Cycles Based on Empirical Information and Low-Frequency Speed Data; *TVT Aug. 2020 8221-8231*
- Shi, T., *see* Wang, H., *TVT March 2020 2613-2620*
- Shi, Y., and Sagduyu, Y.E., Coherent Communications in Self-Organizing Networks With Distributed Beamforming; *TVT Jan. 2020 760-770*
- Shi, Y., *see* Yang, C., *TVT Feb. 2020 1519-1532*
- Shi, Y., *see* Zhang, Q., *TVT May 2020 4751-4762*
- Shi, Y., *see* Zhou, L., *TVT June 2020 5923-5932*
- Shi, Z., Zhang, C., Fu, Y., Wang, H., Yang, G., and Ma, S., Achievable Diversity Order of HARQ-Aided Downlink NOMA Systems; *TVT Jan. 2020 471-487*
- Shi, Z., *see* Yang, G., *TVT Jan. 2020 851-861*
- Shi, Z., Chang, X., Yang, C., Wu, Z., and Wu, J., An Acoustic-Based Surveillance System for Amateur Drones Detection and Localization; *TVT March 2020 2731-2739*
- Shi, Z., *see* Qian, L., *TVT May 2020 5494-5507*
- Shi, Z., He, Q., and Liu, Y., Accelerating Parallel Jacobi Method for Matrix Eigenvalue Computation in DOA Estimation Algorithm; *TVT June 2020 6275-6285*
- Shi, Z., *see* Xie, J., *TVT July 2020 6964-6976*
- Shi, Z., *see* Lu, H., *TVT Dec. 2020 14945-14959*
- Shikh-Bahaei, M., *see* Yang, Z., *TVT Feb. 2020 1913-1927*
- Shikh-Bahaei, M., *see* Zang, J., *TVT July 2020 7531-7544*
- Shikh-Bahaei, M., *see* Zhang, Y., *TVT Oct. 2020 12363-12368*
- Shili, S., *see* German, R., *TVT Jan. 2020 328-337*
- Shim, B., *see* Wan, Z., *TVT Feb. 2020 2337-2342*
- Shim, B., *see* Kim, W., *TVT May 2020 5698-5702*
- Shim, B., *see* Wu, J., *TVT Aug. 2020 9117-9120*
- Shim, H., *see* Baek, J., *TVT Oct. 2020 10558-10568*
- Shin, C.S., Lee, J., and Lee, H., Infrastructure-Less Vehicle Traffic Density Estimation via Distributed Packet Probing in V2V Network; *TVT Oct. 2020 10403-10418*
- Shin, H., *see* Zhu, Y., *TVT Aug. 2020 8317-8328*
- Shin, W., *see* Hong, J., *TVT Dec. 2020 15057-15067*
- Shindo, T., *see* Hiraguri, T., *TVT March 2020 2905-2914*
- Shitara, I., *see* Hiraguri, T., *TVT March 2020 2905-2914*
- Shojaeifard, A., *see* Briggs, K., *TVT Oct. 2020 11786-11789*
- Shoji, Y., *see* Watanabe, Y., *TVT Nov. 2020 13646-13657*
- Shoji, Y., *see* Liu, W., *TVT Nov. 2020 13849-13860*
- Shu, F., *see* Hu, J., *TVT Jan. 2020 1080-1085*
- Shu, F., *see* Xia, G., *TVT Feb. 2020 2343-2347*
- Shu, F., *see* Gui, L., *TVT Aug. 2020 8949-8958*
- Shu, F., *see* Lu, J., *TVT Sept. 2020 10090-10102*
- Shu, F., *see* Lin, Y., *TVT Dec. 2020 16027-16043*
- Shu, F., *see* Wang, Y., *TVT Dec. 2020 16309-16313*
- Shu, F.S., *see* Liu, Q., *TVT May 2020 5723-5728*
- Shu, L., *see* Zhang, J., *TVT March 2020 3217-3230*
- Shu, L., *see* Zhang, T., *TVT March 2020 3412-3423*
- Shu, L., *see* Zhang, W., *TVT March 2020 3166-3178*
- Shu, L., *see* Lin, C., *TVT May 2020 5481-5493*
- Shu, L., *see* Jiang, J., *TVT Aug. 2020 9031-9040*
- Shu, L., *see* Dong, L., *TVT Sept. 2020 9292-9303*
- Shukla, A., *see* Barik, P.K., *TVT July 2020 7806-7820*
- Shukla, A., Bhattacharya, P., Tanwar, S., Kumar, N., and Guizani, M., DwaRa: A Deep Learning-Based Dynamic Toll Pricing Scheme for Intelligent Transportation Systems; *TVT Nov. 2020 12510-12520*
- Shutin, D., *see* Walter, M., *TVT Oct. 2020 10419-10434*
- Si, J., *see* Wang, C., *TVT Dec. 2020 15253-15268*
- Si, Q., Jin, M., Chen, Y., Zhao, N., and Wang, X., Performance Analysis of Spatial Modulation Aided NOMA With Full-Duplex Relay; *TVT May 2020 5683-5687*
- Si-Ma, L., Yu, H., Zhang, J., Xin, G., Wang, C., and Chen, R., Multidimensional Multilayer Modulation for Broadcast UVLC With Photon Detectors; *TVT June 2020 6437-6451*
- Sikdar, B., *see* Bansal, G., *TVT July 2020 7234-7246*
- Sikdar, B., *see* Gope, P., *TVT Nov. 2020 13621-13630*
- Silva, B.F.d., Le Ruyet, D., and Uchoa-Filho, B.F., Threshold-Based Edge Selection MPA for SCMA; *TVT March 2020 2957-2966*
- Silva, P.E.G., de Souza, R.A.A., da Costa, D.B., Moualeu, J.M., and Yacoub, M.D., Error Probability of M-Phase Signaling With Phase Noise Over Fading Channels; *TVT June 2020 6766-6770*
- Silva, Y.C.B., *see* Ardah, K., *TVT Jan. 2020 377-389*
- Sim, C., *see* Feng, B., *TVT Sept. 2020 10115-10126*

- Singh, A.**, Sasidharan, D.K., and Singh, H., Analytical Estimation of Radiation Mode Radar Cross Section (RCS) of Phased Arrays; *TVT June 2020 6415-6421*
- Singh, A.**, see Aujla, G.S., *TVT June 2020 5850-5863*
- Singh, A.K.**, see Kumar, A., *TVT March 2020 2649-2658*
- Singh, A.K.**, Badoni, M., and Tatte, Y.N., A Multifunctional Solar PV and Grid Based On-Board Converter for Electric Vehicles; *TVT April 2020 3717-3727*
- Singh, H.**, see Singh, A., *TVT June 2020 6415-6421*
- Singh, M.**, see Aujla, G.S., *TVT June 2020 5850-5863*
- Singh, P.K.**, Agarwal, A., Nakum, G., Rawat, D.B., and Nandi, S., MPFSLP: Masqueraded Probabilistic Flooding for Source-Location Privacy in VANETs; *TVT Oct. 2020 11383-11393*
- Singh, R.**, Saluja, D., and Kumar, S., Blind Cancellation in Radar-Based Self Driving Vehicles; *TVT July 2020 6977-6986*
- Singh, R.K.**, see Meher, S.R., *TVT April 2020 3760-3772*
- Singhal, C.**, see Barik, P.K., *TVT July 2020 7806-7820*
- Singya, P.K.**, Kumar, N., Bhatia, V., and Alouini, M., On the Performance Analysis of Higher Order QAM Schemes Over Mixed RF/FSO Systems; *TVT July 2020 7366-7378*
- Sinha, A.K.**, Mohammed, S.K., Raviteja, P., Hong, Y., and Viterbo, E., OTFS Based Random Access Preamble Transmission for High Mobility Scenarios; *TVT Dec. 2020 15078-15094*
- Sisto, R.**, see Iorio, M., *TVT Nov. 2020 13450-13466*
- Sixel, W.**, see Liu, M., *TVT Feb. 2020 1464-1472*
- Sjoberg, J.**, see Wei, S., *TVT March 2020 2449-2462*
- Skoglund, M.**, see Zhang, Y., *TVT Dec. 2020 15298-15313*
- Skugor, B.**, Deur, J., and Ivanovic, V., E-Clutch Torque Control Including Compensation of Thermal Expansion Effects; *TVT Jan. 2020 246-257*
- Smolders, A.B.**, see Amani, N., *TVT June 2020 6500-6510*
- So, D.K.C.**, see Feng, W., *TVT Sept. 2020 9265-9278*
- So, D.K.C.**, see Sun, Y., *TVT Nov. 2020 14001-14006*
- So, H.C.**, see Liu, Q., *TVT Oct. 2020 11685-11696*
- So, H.C.**, see Lan, L., *TVT Oct. 2020 11584-11598*
- Sobelman, G.E.**, see Chen, J., *TVT Oct. 2020 11353-11368*
- Sobhi-Givi, S.**, Shayesteh, M.G., and Kalbkhani, H., Energy-Efficient Power Allocation and User Selection for mmWave-NOMA Transmission in M2M Communications Underlying Cellular Heterogeneous Networks; *TVT Sept. 2020 9866-9881*
- Soh, S.**, see Ren, Y., *TVT May 2020 5255-5267*
- Soh, S.**, see He, T., *TVT Oct. 2020 11880-11892*
- Sohn, C.**, Andert, J., and Jolovic, D., An Analysis of the Tradeoff Between Fuel Consumption and Ride Comfort for the Pulse and Glide Driving Strategy; *TVT July 2020 7223-7233*
- Sohn, K.**, see Lee, J., *TVT Feb. 2020 1375-1387*
- Solbach, K.**, see El-Absi, M., *TVT July 2020 7751-7761*
- Soleimani, M.**, Elliott, R.C., Krzymien, W.A., Melzer, J., and Mousavi, P., Hybrid Beamforming for mmWave Massive MIMO Systems Employing DFT-Assisted User Clustering; *TVT Oct. 2020 11646-11658*
- Soleymani, M.**, Santamaria, I., and Schreiber, P.J., Improper Gaussian Signaling for the K-User MIMO Interference Channels With Hardware Impairments; *TVT Oct. 2020 11632-11645*
- Solomitskii, D.**, Semkin, V., Karttunen, A., Petrov, V., Nguyen, S.L.H., Nikopour, H., Haneda, K., Andreev, S., Talwar, S., and Koucheryavy, Y., Characterizing Radio Wave Propagation in Urban Street Canyon With Vehicular Blockage at 28 GHz; *TVT Feb. 2020 1227-1236*
- Soltani, M.**, see Nemat, M., *TVT Nov. 2020 13229-13242*
- Soltani, N.**, Reus-Muns, G., Salehi, B., Dy, J., Ioannidis, S., and Chowdhury, K., RF Fingerprinting Unmanned Aerial Vehicles With Non-Standard Transmitter Waveforms; *TVT Dec. 2020 15518-15531*
- Son, H.**, see Park, S., *TVT Nov. 2020 13410-13423*
- Song, A.**, see Yan, X., *TVT Feb. 2020 2021-2033*
- Song, C.**, see Lee, J., *TVT Aug. 2020 9131-9134*
- Song, H.**, see Youn, Y., *TVT Feb. 2020 1719-1726*
- Song, H.**, Wen, H., Tang, J., Chen, Y., Xie, F., Liao, R., and Chen, S., PLS-Based Secrecy Transmission for VANETs; *TVT July 2020 7596-7608*
- Song, H.**, see You, Y., *TVT Aug. 2020 9212-9216*
- Song, H.**, see Tang, J., *TVT Oct. 2020 11077-11089*
- Song, H.**, see Liu, Z., *TVT Dec. 2020 15644-15655*
- Song, I.**, see Jung, H., *TVT Jan. 2020 728-737*
- Song, J.**, see Lin, P., *TVT May 2020 5508-5520*
- Song, J.**, Lee, B., Noh, S., and Lee, J., Adaptive Multiuser Transmission Using Millimeter Wave Beam Alignment With User Selection; *TVT Aug. 2020 9140-9145*
- Song, J.**, see Chae, H., *TVT Sept. 2020 9613-9623*
- Song, J.**, Lee, B., Park, J., Lee, M., and Lee, J., Beamformer Design for Physical Layer Security in Dual-Polarized Millimeter Wave Channels; *TVT Oct. 2020 12306-12311*
- Song, L.**, see Sultan, R., *TVT March 2020 2850-2863*
- Song, L.**, see Zhang, H., *TVT April 2020 4498-4502*
- Song, L.**, see Di, B., *TVT April 2020 4565-4570*
- Song, L.**, see Zhang, Y., *TVT April 2020 4388-4400*
- Song, L.**, see Zhang, H., *TVT May 2020 5467-5480*
- Song, L.**, Sun, G., Yu, H., Du, X., and Guizani, M., FBIA: A Fog-Based Identity Authentication Scheme for Privacy Preservation in Internet of Vehicles; *TVT May 2020 5403-5415*
- Song, L.**, see Zhang, S., *TVT June 2020 6592-6602*
- Song, L.**, see Zhang, S., *TVT Nov. 2020 13905-13909*
- Song, L.**, see Pradhan, C., *TVT Dec. 2020 16270-16275*
- Song, M.**, see Hong, C., *TVT Dec. 2020 15893-15907*
- Song, P.**, see Li, Q., *TVT Nov. 2020 13139-13147*
- Song, Q.**, see Lin, P., *TVT May 2020 5508-5520*
- Song, Q.**, see Qi, W., *TVT July 2020 7723-7734*
- Song, S.**, see Xiong, L., *TVT Oct. 2020 10668-10680*
- Song, T.**, see Verma, M.K.S., *TVT March 2020 2563-2575*
- Song, T.**, Wang, P., Zhang, Y., Gao, F., Tang, Y., and Pholboon, S., Suppression Method of Current Harmonic for Three-Phase PWM Rectifier in EV Charging System; *TVT Sept. 2020 9634-9642*
- Song, T.**, see Zhang, L., *TVT Oct. 2020 11445-11457*
- Song, W.**, see Zhou, H., *TVT Feb. 2020 1257-1266*
- Song, W.**, see Cao, Z., *TVT March 2020 2424-2436*
- Song, W.**, see Zhang, C., *TVT April 2020 3562-3574*
- Song, W.**, see Chen, S., *TVT May 2020 4740-4750*
- Song, X.**, see You, L., *TVT May 2020 5693-5697*
- Song, Y.**, see Xu, Z., *TVT June 2020 6299-6309*
- Song, Y.**, Liu, Z., and Lu, X., Dynamic Performance of High-Speed Railway Overhead Contact Line Interacting With Pantograph Considering Local Dropper Defect; *TVT June 2020 5958-5967*
- Song, Y.**, Lim, S.H., Jeon, S., and Baek, S., On Cooperative Achievable Rates of UAV Assisted Cellular Networks; *TVT Sept. 2020 9882-9895*
- Song, Y.**, Wen, Y., Zhang, D., and Zhang, J., Fast Prediction Model of Coupling Coefficient Between Pantograph Arcing and GSM-R Antenna; *TVT Oct. 2020 11612-11618*
- Song, Y.**, Ronnquist, A., and Navik, P., Assessment of the High-Frequency Response in Railway Pantograph-Catenary Interaction Based on Numerical Simulation; *TVT Oct. 2020 10596-10605*
- Song, Y.**, Yang, W., Xiang, Z., Wang, H., and Cao, F., Research on Cognitive Power Allocation for Secure Millimeter-Wave NOMA Networks; *TVT Nov. 2020 13424-13436*
- Song, Z.**, see Hou, T., *TVT July 2020 7558-7568*
- Sood, E.D.**, see Islam, M., *TVT Sept. 2020 9402-9416*
- Soon, F.C.**, Khaw, H.Y., Chuah, J.H., and Kanesan, J., Semisupervised PCA Convolutional Network for Vehicle Type Classification; *TVT Aug. 2020 8267-8277*
- Sornioti, A.**, see Ricco, M., *TVT Feb. 2020 1388-1403*
- Sornioti, A.**, see Scamarcio, A., *TVT Oct. 2020 10681-10699*
- Souto, N.**, and Correia, A., A Precoding Aided Space Domain Index Modulation Scheme for Downlink Multiuser MIMO Systems; *TVT Oct. 2020 12333-12337*
- Spina, I.**, see Attaianesi, C., *TVT July 2020 7014-7025*
- Srinivasan, M.**, and Kalyani, S., Analysis of MRC With η - μ Co-Channel Interference; *TVT Jan. 2020 738-745*
- St-Hilaire, M.**, see Zhang, Z., *TVT July 2020 7955-7965*
- Steendam, H.**, see Mili, M.R., *TVT Sept. 2020 9750-9766*
- Stefanopoulou, A.G.**, see Chen, D., *TVT Dec. 2020 14377-14390*

- Stein, J.L.**, *see* Wurts, J., *TVT Aug. 2020 8278-8289*
- Stuber, G.L.**, *see* Meng, Y., *TVT Oct. 2020 11501-11514*
- Studer, C.**, *see* Zhang, C., *TVT May 2020 4663-4676*
- Studer, C.**, *see* Jeon, C., *TVT May 2020 4677-4688*
- Su, C.**, Ye, F., Liu, T., Tian, Y., and Han, Z., Computation Offloading in Hierarchical Multi-Access Edge Computing Based on Contract Theory and Bayesian Matching Game; *TVT Nov. 2020 13686-13701*
- Su, H.**, *see* Lai, K., *TVT Nov. 2020 13341-13356*
- Su, S.**, *see* Hua, Y., *TVT Nov. 2020 12857-12869*
- Su, X.**, Meng, L., and Huang, J., Intelligent Maritime Networking With Edge Services and Computing Capability; *TVT Nov. 2020 13606-13620*
- Su, Z.**, *see* Li, J., *TVT March 2020 3267-3279*
- Su, Z.**, *see* Hui, Y., *TVT Dec. 2020 16044-16056*
- Suarez Rodriguez, A.C.**, Haider, N., He, Y., and Dutkiewicz, E., Network Optimisation in 5G Networks: A Radio Environment Map Approach; *TVT Oct. 2020 12043-12057*
- Sugiura, S.**, *see* Akiba, Y., *TVT Nov. 2020 13964-13969*
- Sugiyama, T.**, *see* Ishigami, M., *TVT Dec. 2020 16188-16190*
- Suh, J.**, Choi, E.Y., and Borrelli, F., Vision-Based Race Track SLAM Based Only on Lane Curvature; *TVT Feb. 2020 1495-1504*
- Sui, Y.**, He, Y., Cheng, T., Huang, Y., and Ning, S., Broad Echo State Network for Channel Prediction in MIMO-OFDM Systems; *TVT Nov. 2020 13383-13399*
- Suleimenov, B.**, *see* Makhanbet, M., *TVT Oct. 2020 11529-11543*
- Sultan, R.**, Song, L., Seddik, K.G., and Han, Z., Joint Resource Management With Distributed Uplink Power Control in Full-Duplex OFDMA Networks; *TVT March 2020 2850-2863*
- Sultana, A.**, Woungang, I., Anpalagan, A., Zhao, L., and Ferdouse, L., Efficient Resource Allocation in SCMA-Enabled Device-to-Device Communication for 5G Networks; *TVT May 2020 5343-5354*
- Sun, D.**, *see* Mao, Z., *TVT June 2020 6463-6472*
- Sun, D.**, *see* Dong, L., *TVT Sept. 2020 9292-9303*
- Sun, F.**, *see* Wen, S., *TVT Nov. 2020 12470-12481*
- Sun, F.**, *see* Wen, S., *TVT Dec. 2020 16057-16066*
- Sun, G.**, *see* Song, L., *TVT May 2020 5403-5415*
- Sun, G.**, *see* Hu, Y., *TVT Aug. 2020 8972-8984*
- Sun, H.**, *see* Ye, Y., *TVT Aug. 2020 8938-8948*
- Sun, H.**, Wang, X., Zhang, Y., and Quek, T.Q.S., Performance Analysis and Cell Association Design for Drone-Assisted Heterogeneous Networks; *TVT Nov. 2020 13741-13755*
- Sun, H.**, *see* Qi, Q., *TVT Nov. 2020 13861-13874*
- Sun, H.**, Ma, X., and Hu, R.Q., Adaptive Federated Learning With Gradient Compression in Uplink NOMA; *TVT Dec. 2020 16325-16329*
- Sun, H.Y.**, *see* Wang, K., *TVT July 2020 7054-7063*
- Sun, J.**, *see* Gui, G., *TVT Jan. 2020 140-150*
- Sun, J.**, *see* Jiang, Z., *TVT Feb. 2020 2157-2170*
- Sun, J.**, Wang, J., Guo, L., Yang, J., and Gui, G., Adaptive Deep Learning Aided Digital Predistorter Considering Dynamic Envelope; *TVT April 2020 4487-4491*
- Sun, J.**, *see* Gui, G., *TVT May 2020 4817-4826*
- Sun, J.**, *see* Wang, Y., *TVT May 2020 5688-5692*
- Sun, J.**, *see* Yan, P., *TVT July 2020 7473-7482*
- Sun, J.**, Ma, S., Wang, J., Yang, J., and Liu, M., Reconciliation Problem in Polar Integrated Navigation Considering Coordinate Frame Transformation; *TVT Sept. 2020 10375-10379*
- Sun, J.**, *see* Ma, M., *TVT Oct. 2020 10797-10808*
- Sun, J.**, Xiong, H., Zhang, S., Liu, X., Yuan, J., and Deng, R.H., A Secure Flexible and Tampering-Resistant Data Sharing System for Vehicular Social Networks; *TVT Nov. 2020 12938-12950*
- Sun, J.**, Ma, Q., Tang, C., Wang, T., Jiang, T., and Tang, Y., Research on Optimization of Charging Strategy Control for Aged Batteries; *TVT Dec. 2020 14141-14149*
- Sun, K.**, *see* Tan, X., *TVT Feb. 2020 1267-1280*
- Sun, K.**, Wu, J., Huang, W., Zhang, H., Hsieh, H., and Leung, V.C.M., Uplink Performance Improvement for Downlink-Uplink Decoupled HetNets With Non-Uniform User Distribution; *TVT July 2020 7518-7530*
- Sun, L.**, *see* Yang, F., *TVT Jan. 2020 771-783*
- Sun, L.**, *see* Fei, H., *TVT Feb. 2020 2263-2273*
- Sun, L.**, *see* Yan, X., *TVT Feb. 2020 2021-2033*
- Sun, L.**, *see* Wu, P., *TVT April 2020 4207-4220*
- Sun, L.**, *see* Liu, Q., *TVT May 2020 5723-5728*
- Sun, L.**, Huang, D., and Lee Swindlehurst, A., Fountain-Coding Aided Secure Transmission With Delay and Content Awareness; *TVT July 2020 7992-7997*
- Sun, L.**, *see* Sheng, B., *TVT July 2020 7930-7939*
- Sun, L.**, *see* Chen, Y., *TVT Nov. 2020 13821-13835*
- Sun, L.**, *see* Wang, Y., *TVT Dec. 2020 16309-16313*
- Sun, M.**, Al-Hashimi, A., Li, M., and Gerdes, R., Impacts of Constrained Sensing and Communication Based Attacks on Vehicular Platoons; *TVT May 2020 4773-4787*
- Sun, M.**, *see* Ting, P., *TVT Aug. 2020 8257-8266*
- Sun, Q.**, *see* Wang, W., *TVT Sept. 2020 10000-10008*
- Sun, Q.**, *see* Guan, Y., *TVT Nov. 2020 12597-12608*
- Sun, Q.**, Tian, L., Zhou, Y., Shi, J., Wang, Y., and Zhang, Z., A Two-Layered Incentive Scheme for Cooperation in Sliced 5G D2D Networks; *TVT Nov. 2020 13289-13304*
- Sun, R.**, Wang, Y., Cheng, N., Lyu, L., Zhang, S., Zhou, H., and Shen, X., QoE-Driven Transmission-Aware Cache Placement and Cooperative Beamforming Design in Cloud-RANs; *TVT Jan. 2020 636-650*
- Sun, R.**, Wang, G., Fan, Z., Xu, T., and Ochieng, W.Y., An Integrated Urban Positioning Algorithm Using Matching, Particle Swarm Optimized Adaptive Neuro Fuzzy Inference System and a Spatial City Model; *TVT May 2020 4842-4854*
- Sun, R.**, Wang, Y., Lyu, L., Cheng, N., Zhang, S., Yang, T., and Shen, X., Delay-Oriented Caching Strategies in D2D Mobile Networks; *TVT Aug. 2020 8529-8541*
- Sun, S.**, *see* Zeng, Y., *TVT April 2020 4069-4079*
- Sun, S.**, *see* Fan, K., *TVT June 2020 5826-5835*
- Sun, W.**, *see* Tian, M., *TVT March 2020 2716-2730*
- Sun, W.**, Yu, Q., Guo, J., Meng, W., and Leung, V.C.M., A Joint Iterative Optimal Resource Allocation Algorithm for Non-Orthogonal Multi-User and Multi-Weight Opportunistic Beamforming Systems; *TVT March 2020 2864-2877*
- Sun, W.**, Zhang, H., Wang, R., and Zhang, Y., Reducing Offloading Latency for Digital Twin Edge Networks in 6G; *TVT Oct. 2020 12240-12251*
- Sun, X.**, *see* Tian, X., *TVT Feb. 2020 1473-1483*
- Sun, X.**, Ansari, N., and Fierro, R., Jointly Optimized 3D Drone Mounted Base Station Deployment and User Association in Drone Assisted Mobile Access Networks; *TVT Feb. 2020 2195-2203*
- Sun, X.**, *see* Qi, C., *TVT May 2020 5661-5665*
- Sun, X.**, Hu, C., Lei, G., Yang, Z., Guo, Y., and Zhu, J., Speed Sensorless Control of SPMSM Drives for EVs With a Binary Search Algorithm-Based Phase-Locked Loop; *TVT May 2020 4968-4978*
- Sun, X.**, *see* Hou, T., *TVT July 2020 7558-7568*
- Sun, X.**, *see* Li, Y., *TVT July 2020 7493-7502*
- Sun, X.**, *see* Zhang, C., *TVT Oct. 2020 11828-11840*
- Sun, X.**, *see* Wu, D., *TVT Dec. 2020 16155-16162*
- Sun, X.D.**, *see* Wang, K., *TVT July 2020 7054-7063*
- Sun, Y.**, *see* Wang, B., *TVT Jan. 2020 1070-1074*
- Sun, Y.**, *see* Sha, C., *TVT March 2020 3135-3150*
- Sun, Y.**, *see* Wang, B., *TVT March 2020 3505-3509*
- Sun, Y.**, *see* Xiang, H., *TVT April 2020 4271-4284*
- Sun, Y.**, *see* Wang, B., *TVT April 2020 4412-4425*
- Sun, Y.**, *see* Xu, X., *TVT April 2020 3816-3827*
- Sun, Y.**, *see* Qu, S., *TVT July 2020 7762-7777*
- Sun, Y.**, Zhao, W., Ji, J., Zheng, J., and Cheng, Y., Torque Improvement in Dual *M*-Phase Permanent-Magnet Machines by Phase Shift for Electric Ship Applications; *TVT Sept. 2020 9601-9612*
- Sun, Y.**, *see* Zhou, J., *TVT Sept. 2020 10046-10058*
- Sun, Y.**, *see* Wang, Y., *TVT Oct. 2020 12124-12135*
- Sun, Y.**, Ding, Z., Dai, X., Navaie, K., and So, D.K.C., Performance of Downlink NOMA in Vehicular Communication Networks: An Analysis Based on Poisson Line Cox Point Process; *TVT Nov. 2020 14001-14006*
- Sun, Y.**, *see* Liu, Y., *TVT Dec. 2020 15731-15745*

- Sun, Z.**, Li, X., Cui, G., Yi, W., and Kong, L., Hypersonic Target Detection and Velocity Estimation in Coherent Radar System Based on Scaled Radon Fourier Transform; *TVT June 2020 6525-6540*
- Sun, Z.**, see Zhou, J., *TVT Sept. 2020 10046-10058*
- Sun, Z.**, see Wen, Q., *TVT Oct. 2020 10700-10709*
- Sun, Z.**, see Hathal, W., *TVT Dec. 2020 16110-16125*
- Sung, D.K.**, see Kim, T., *TVT Jan. 2020 1152-1156*
- Sung, Y.**, see Verma, M.K.S., *TVT March 2020 2563-2575*
- Sutanto, D.**, see Zahedmanesh, A., *TVT Nov. 2020 12585-12596*
- Sutrala, A.K.**, Bagga, P., Das, A.K., Kumar, N., Rodrigues, J.J.P.C., and Lorenz, P., On the Design of Conditional Privacy Preserving Batch Verification-Based Authentication Scheme for Internet of Vehicles Deployment; *TVT May 2020 5535-5548*
- Swami, P.**, Mishra, M.K., Bhatia, V., and Ratnarajah, T., Performance Analysis of NOMA Enabled Hybrid Network With Limited Feedback; *TVT April 2020 4516-4521*

T

- Tafazolli, R.**, see Cao, A., *TVT Dec. 2020 16213-16217*
- Tafintsev, N.**, Moltchanov, D., Andreev, S., Yeh, S., Himayat, N., Koucheryavy, Y., and Valkama, M., Handling Spontaneous Traffic Variations in 5G+ via Offloading Onto mmWave-Capable UAV "Bridges" *TVT Sept. 2020 10070-10084*
- Taghavifar, H.**, and Rakheja, S., A Novel Terramechanics-Based Path-Tracking Control of Terrain-Based Wheeled Robot Vehicle With Matched-Mismatched Uncertainties; *TVT Jan. 2020 67-77*
- Taghizadeh, O.**, Yang, T., and Mathar, R., Private Uplink Communication in C-RAN With Untrusted Radios; *TVT July 2020 8034-8039*
- Taherpour, A.**, see Naderipour, M., *TVT Nov. 2020 12870-12882*
- Taherpour, A.**, see Naderipour, M., *TVT Nov. 2020 12870-12882*
- Takeda, K.**, see Sama, K., *TVT Sept. 2020 9315-9329*
- Takeuchi, E.**, see Sama, K., *TVT Sept. 2020 9315-9329*
- Talvitie, J.**, Levanen, T., Koivisto, M., Ihalainen, T., Pajukoski, K., and Valkama, M., Beamformed Radio Link Capacity Under Positioning Uncertainty; *TVT Dec. 2020 16235-16240*
- Talvitie, J.**, see Rastorgueva-Foi, E., *TVT Dec. 2020 15842-15856*
- Talwar, S.**, see Solomitchii, D., *TVT Feb. 2020 1227-1236*
- Tan, C.P.**, see Wang, X., *TVT April 2020 3693-3702*
- Tan, H.**, see Zhang, H., *TVT April 2020 4450-4459*
- Tan, H.**, see Lian, R., *TVT Aug. 2020 8367-8380*
- Tan, M.**, see Cui, S., *TVT April 2020 3783-3792*
- Tan, M.C.**, Li, M., Abbasi, Q.H., and Imran, M.A., A Wideband Beamforming Antenna Array for 80.11ac and 4.9 GHz in Modern Transportation Market; *TVT March 2020 2659-2670*
- Tan, X.**, see Zhang, C., *TVT Feb. 2020 1245-1256*
- Tan, X.**, Xu, W., Sun, K., Xu, Y., Be'ery, Y., You, X., and Zhang, C., Improving Massive MIMO Message Passing Detectors With Deep Neural Network; *TVT Feb. 2020 1267-1280*
- Tan, X.**, see Shen, Y., *TVT April 2020 3575-3589*
- Tan, X.**, see Zhang, C., *TVT May 2020 4663-4676*
- Tan, Y.**, see Ju, Z., *TVT May 2020 4609-4620*
- Tan, Y.**, see Zhang, S., *TVT Nov. 2020 13905-13909*
- Tang, B.**, see Li, Y., *TVT Aug. 2020 9229-9233*
- Tang, C.**, see Xia, S., *TVT July 2020 6856-6868*
- Tang, C.**, Wei, X., Zhu, C., Wang, Y., and Jia, W., Mobile Vehicles as Fog Nodes for Latency Optimization in Smart Cities; *TVT Sept. 2020 9364-9375*
- Tang, C.**, and Khajepour, A., Wheel Modules With Distributed Controllers: A Multi-Agent Approach to Vehicular Control; *TVT Oct. 2020 10879-10888*
- Tang, C.**, see Sun, J., *TVT Dec. 2020 14141-14149*
- Tang, G.**, Guo, D., Wu, K., Liu, F., and Qin, Y., QoS Guaranteed Edge Cloud Resource Provisioning for Vehicle Fleets; *TVT June 2020 5889-5900*
- Tang, H.**, see Wang, X., *TVT Aug. 2020 8613-8626*
- Tang, J.**, see Guo, K., *TVT April 2020 4257-4270*
- Tang, J.**, see Song, H., *TVT July 2020 7596-7608*
- Tang, J.**, see Feng, W., *TVT Sept. 2020 9265-9278*
- Tang, J.**, Wen, H., Song, H., Zeng, K., and Qin, K., Secure MIMO-SVD Communications Against Eavesdroppers With Any Number of Antennas; *TVT Oct. 2020 11077-11089*
- Tang, L.**, see Xiong, F., *TVT Aug. 2020 9002-9016*
- Tang, L.**, see Guo, D., *TVT Nov. 2020 13124-13138*
- Tang, P.**, see Jiang, T., *TVT March 2020 2351-2364*
- Tang, X.**, see Zheng, L., *TVT Jan. 2020 818-827*
- Tang, X.**, see Guo, K., *TVT May 2020 5129-5141*
- Tang, X.**, see Shen, M., *TVT June 2020 5773-5783*
- Tang, X.**, see He, H., *TVT Aug. 2020 9121-9125*
- Tang, X.**, Huang, X., Hu, F., and Shi, Q., Human-Perception-Oriented Pseudo Analog Video Transmissions With Deep Learning; *TVT Sept. 2020 9896-9909*
- Tang, X.**, see Liu, K., *TVT Nov. 2020 12716-12724*
- Tang, Y.**, see Guo, W., *TVT Jan. 2020 457-470*
- Tang, Y.**, see Lu, X., *TVT March 2020 3068-3079*
- Tang, Y.**, see Fu, S., *TVT April 2020 4367-4378*
- Tang, Y.**, see Cheng, K., *TVT July 2020 7116-7130*
- Tang, Y.**, see Song, T., *TVT Sept. 2020 9634-9642*
- Tang, Y.**, see Sun, J., *TVT Dec. 2020 14141-14149*
- Tang, Z.**, see Sheng, J., *TVT Nov. 2020 13371-13382*
- Tangade, S.**, Manvi, S.S., and Lorenz, P., Trust Management Scheme Based on Hybrid Cryptography for Secure Communications in VANETs; *TVT May 2020 5232-5243*
- Tanghe, E.**, see Yusuf, M., *TVT Nov. 2020 12396-12407*
- Tanwar, S.**, see Budhiraja, I., *TVT July 2020 7790-7805*
- Tanwar, S.**, see Shukla, A., *TVT Nov. 2020 12510-12520*
- Tao, C.**, see Zhou, T., *TVT Aug. 2020 8107-8118*
- Tao, M.**, see Qiu, B., *TVT Oct. 2020 11028-11041*
- Tao, W.**, see Zhang, L., *TVT Oct. 2020 11445-11457*
- Tao, X.**, see Zhang, X., *TVT March 2020 3296-3309*
- Tao, X.**, see Wu, H., *TVT April 2020 3954-3967*
- Tao, X.**, see Zhang, J., *TVT April 2020 3980-3993*
- Tao, X.**, see Saleem, U., *TVT April 2020 4472-4486*
- Tao, X.**, see Han, Y., *TVT July 2020 7339-7353*
- Tao, X.**, see Yuan, C., *TVT Sept. 2020 10019-10032*
- Tao, X.**, see Wu, H., *TVT Sept. 2020 10397*
- Tao, X.**, see Zhu, B., *TVT Oct. 2020 10842-10853*
- Tao, X.**, see Han, Y., *TVT Oct. 2020 11811-11827*
- Tashman, D.H.**, Hamouda, W., and Dayoub, I., Secrecy Analysis Over Cascaded κ - μ Fading Channels With Multiple Eavesdroppers; *TVT Aug. 2020 8433-8442*
- Tasik, R.**, see Yuan, Y., *TVT Sept. 2020 9279-9291*
- Tatte, Y.N.**, see Singh, A.K., *TVT April 2020 3717-3727*
- Tavernini, D.**, see Ricco, M., *TVT Feb. 2020 1388-1403*
- Tayel, A.F.**, Rabia, S.I., El-Malek, A.H.A., and Abdelrazek, A.M., An Optimal Policy for Hybrid Channel Access in Cognitive Radio Networks With Energy Harvesting; *TVT Oct. 2020 11253-11265*
- Taylor, A.H.**, Droege, M.J., Shaver, G.M., Sandoval, J.A., Erlie, S., and Kuszmaul, J., Capturing the Impact of Speed, Grade, and Traffic on Class 8 Truck Platooning; *TVT Oct. 2020 10506-10518*
- Taylor, J.**, see Bilgin, B., *TVT July 2020 7172-7186*
- Tazehkand, B.M.**, see Aghdam, M.R.G., *TVT Oct. 2020 11491-11500*
- Teatcorin, E.**, see Ivanov, A., *TVT Dec. 2020 15623-15632*
- Tebaldi, D.**, see Zanasi, R., *TVT Dec. 2020 14470-14483*
- Tekinay, M.**, Beard, C., and van de Liefvoort, A., Partial Packet Duplication: Control of Fade and Non-Fade Duration Outages Using Matrix Exponential Distributions; *TVT May 2020 5652-5656*
- Tellambura, C.**, see Mohammadian, A., *TVT Jan. 2020 700-713*
- Temiz, M.**, Alsusa, E., and Baidas, M.W., A Dual-Functional Massive MIMO OFDM Communication and Radar Transmitter Architecture; *TVT Dec. 2020 14974-14988*
- Teng, C.**, Chou, C., Chen, C., and Wu, A., Accumulated Polar Feature-Based Deep Learning for Efficient and Lightweight Automatic Modulation Classification With Channel Compensation Mechanism; *TVT Dec. 2020 15472-15485*
- Teng, W.**, see Cheng, C., *TVT Sept. 2020 9566-9576*

- Tenoux, T.**, see Charbonnier, R., *TVT Dec. 2020 14264-14276*
- Thaj, T.**, and Viterbo, E., Low Complexity Iterative Rake Decision Feedback Equalizer for Zero-Padded OTFS Systems; *TVT Dec. 2020 15606-15622*
- Thakur, A.**, De, S., and Muntean, G., Co-Channel Secondary Deployment Over DTV Bands Using Reconfigurable Radios; *TVT Oct. 2020 12202-12215*
- Thandavarayan, G.**, Sepulcre, M., and Gozalvez, J., Generation of Cooperative Perception Messages for Connected and Automated Vehicles; *TVT Dec. 2020 16336-16341*
- Thapar, S.**, Mishra, D., and Saini, R., Novel Outage-Aware NOMA Protocol for Secrecy Fairness Maximization Among Untrusted Users; *TVT Nov. 2020 13259-13272*
- Thomas, R.**, see Kumar, G., *TVT July 2020 7707-7722*
- Thompson, J.S.**, see Alsaleem, F.N., *TVT Sept. 2020 9431-9444*
- Tian, F.**, Yu, Y., Yuan, X., Lyu, B., and Gui, G., Predicted Decoupling for Coexistence Between WiFi and LTE in Unlicensed Band; *TVT April 2020 4130-4141*
- Tian, H.**, see Xu, J., *TVT June 2020 6688-6698*
- Tian, J.**, see Ding, H., *TVT April 2020 4119-4129*
- Tian, J.**, Li, D., Ning, K., and Ye, L., A Timesaving Transient Magneto-Thermal Coupling Model for the Eddy Current Brake; *TVT Oct. 2020 10832-10841*
- Tian, L.**, see Jiang, T., *TVT March 2020 2351-2364*
- Tian, L.**, see Sun, Q., *TVT Nov. 2020 13289-13304*
- Tian, M.**, Sun, W., Zhang, P., Huang, L., and Li, Q., Joint Beamforming Design and Receive Antenna Selection for Large-Scale MIMO Wiretap Channels; *TVT March 2020 2716-2730*
- Tian, M.**, see Zhang, J., *TVT July 2020 7940-7954*
- Tian, P.**, see Zhao, T., *TVT July 2020 7981-7986*
- Tian, S.**, see Xiong, J., *TVT Jan. 2020 714-727*
- Tian, X.**, He, R., Sun, X., Cai, Y., and Xu, Y., An ANFIS-Based ECMS for Energy Optimization of Parallel Hybrid Electric Bus; *TVT Feb. 2020 1473-1483*
- Tian, X.**, Zhang, B., and Li, C., Distributed Stable Global Broadcasting for SINR-Based Multi-Channel Wireless Multi-Hop Networks; *TVT Sept. 2020 10202-10213*
- Tian, Y.**, see Su, C., *TVT Nov. 2020 13686-13701*
- Tian, Y.**, Pan, G., and Alouini, M., On NOMA-Based mmWave Communications; *TVT Dec. 2020 15398-15411*
- Tian, Z.**, see Zhong, Z., *TVT March 2020 2576-2587*
- Tian, Z.**, see Pan, Z., *TVT April 2020 3641-3653*
- Ting, P.**, Wada, T., Chiu, Y., Sun, M., Sakai, K., Ku, W., Jeng, A.A., and Hwu, J., Freeway Travel Time Prediction Using Deep Hybrid Model – Taking Sun Yat-Sen Freeway as an Example; *TVT Aug. 2020 8257-8266*
- Tlebaldiyeva, L.**, Maham, B., and Tsiftsis, T.A., Capacity Analysis of Device-to-Device mmWave Networks Under Transceiver Distortion Noise and Imperfect CSI; *TVT May 2020 5707-5712*
- Tofigh, F.**, Amiri, M., Shariati, N., Lipman, J., and Abolhasan, M., Crowd Estimation Using Electromagnetic Wave Power-Level Measurements: A Proof of Concept; *TVT Jan. 2020 784-792*
- Toka, M.**, and Kucur, O., Performance Analysis of OSTBC-NOMA System in the Presence of Practical Impairments; *TVT Sept. 2020 9697-9706*
- Tokan, N.T.**, see Ozpinar, H., *TVT March 2020 2389-2397*
- Tomasso, G.**, see Attaianesi, C., *TVT July 2020 7014-7025*
- Tomic, S.**, and Beko, M., A Geometric Approach for Distributed Multi-Hop Target Localization in Cooperative Networks; *TVT Jan. 2020 914-919*
- Tong, J.**, see Gao, Q., *TVT Nov. 2020 14083-14087*
- Tong, M.**, Cheng, M., Hua, W., and Ding, S., A Single-Phase On-Board Two-Stage Integrated Battery Charger for EVs Based on a Five-Phase Hybrid-Excitation Flux-Switching Machine; *TVT April 2020 3793-3804*
- Tong, X.**, see Han, C., *TVT May 2020 5331-5342*
- Tonnemacher, M.J.**, see Huang, P., *TVT May 2020 4635-4651*
- Tootoonchian, F.**, see Saneie, H., *TVT May 2020 4992-4999*
- Toprak, T.**, Belenlioglu, B., Aydin, B., Guzelis, C., and Selver, M.A., Conditional Weighted Ensemble of Transferred Models for Camera Based Onboard Pedestrian Detection in Railway Driver Support Systems; *TVT May 2020 5041-5054*
- Towhidlou, V.**, see Zang, J., *TVT July 2020 7531-7544*
- Trakadas, P.**, see Michailidis, E.T., *TVT Feb. 2020 1190-1202*
- Tran, D.**, Vu, T.X., Chatzinotas, S., ShahbazPanahi, S., and Ottersten, B., Coarse Trajectory Design for Energy Minimization in UAV-Enabled; *TVT Sept. 2020 9483-9496*
- Tran, D.T.**, see Nguyen, B.C., *TVT Aug. 2020 8555-8567*
- Tran, L.**, see Lyons, O., *TVT July 2020 8023-8027*
- Tran, N.H.**, see Nguyen, M.N.H., *TVT May 2020 5618-5633*
- Tran, N.H.**, see Le, T.H.T., *TVT Dec. 2020 15162-15176*
- Tran, P.T.**, see Hoang, T.M., *TVT March 2020 2785-2801*
- Tran, T.D.**, and Le, L.B., Resource Allocation for Multi-Tenant Network Slicing: A Multi-Leader Multi-Follower Stackelberg Game Approach; *TVT Aug. 2020 8886-8899*
- Tran, X.N.**, see Nguyen, B.C., *TVT Aug. 2020 8555-8567*
- Tran, X.N.**, see Hoang, T.M., *TVT Dec. 2020 15580-15593*
- Tregancini, A.**, Olivo, E.E.B., Osorio, D.P.M., de Lima, C.H.M., and Alves, H., Performance Analysis of Full-Duplex Relay-Aided NOMA Systems Using Partial Relay Selection; *TVT Jan. 2020 622-635*
- Trifonov, P.**, see Trofimiuk, G., *TVT Oct. 2020 10988-10999*
- Trigui, R.**, see Kaban, B., *TVT Dec. 2020 14846-14857*
- Trofimiuk, G.**, Iakuba, N., Rets, S., Ivanov, K., and Trifonov, P., Fast Block Sequential Decoding of Polar Codes; *TVT Oct. 2020 10988-10999*
- Trovao, J.P.F.**, see Pelletier, L., *TVT Dec. 2020 14150-14159*
- Truong, T.**, see Chen, X., *TVT Dec. 2020 14247-14263*
- Tsai, G.**, see Chiang, K., *TVT March 2020 2463-2476*
- Tsai, W.**, see Chen, Y., *TVT Sept. 2020 9304-9314*
- Tseng, H.**, see Liu, J., *TVT Sept. 2020 9251-9252*
- Tsiftsis, T.**, see Yang, L., *TVT Oct. 2020 12296-12300*
- Tsiftsis, T.A.**, see Tlebaldiyeva, L., *TVT May 2020 5707-5712*
- Tsiftsis, T.A.**, see Guo, K., *TVT May 2020 5129-5141*
- Tsiftsis, T.A.**, see Raut, P., *TVT Aug. 2020 9146-9151*
- Tsimenidis, C.C.**, see Ahmed, M.S., *TVT March 2020 2636-2648*
- Tsimenidis, C.C.**, see Abdullah, Z., *TVT March 2020 2993-3007*
- Tu, Y.**, see Lin, Y., *TVT May 2020 5703-5706*
- Tu, Y.**, Lin, Y., Hou, C., and Mao, S., Complex-Valued Networks for Automatic Modulation Classification; *TVT Sept. 2020 10085-10089*
- Tuan, H.D.**, see Nasir, A.A., *TVT Feb. 2020 2322-2326*
- Tuan, H.D.**, see Nasir, A.A., *TVT March 2020 2943-2956*
- Tuan, H.D.**, see Nguyen, T.K., *TVT Oct. 2020 10949-10964*
- Tuan, H.D.**, see Yu, H., *TVT Nov. 2020 13990-13995*
- Tufvesson, F.**, see Bengtsson, E.L., *TVT Jan. 2020 418-427*
- Tufvesson, F.**, see Ji, Y., *TVT Feb. 2020 1203-1213*
- Tufvesson, F.**, see Gustafson, C., *TVT March 2020 2365-2375*
- Tunze, G.B.**, Huynh-The, T., Lee, J., and Kim, D., Sparsely Connected CNN for Efficient Automatic Modulation Recognition; *TVT Dec. 2020 15557-15568*
- Tushar, W.**, see Wang, X., *TVT May 2020 5570-5582*
- Tyagi, S.**, see Budhiraja, I., *TVT July 2020 7790-7805*

U

- Uchoa-Filho, B.F.**, see Silva, B.F.d., *TVT March 2020 2957-2966*
- Uno, M.**, Sato, H., and Ishikawa, T., Differential Power Processing Converter Enhancing Energy Yield of Curved Solar Roofs of Plug-In Hybrid Electric Vehicles; *TVT Dec. 2020 14689-14700*
- Uppalapati, A.**, Naik, R.P., and Krishnan, P., Analysis of M-QAM Modulated Underwater Wireless Optical Communication System for Reconfigurable UOWSNs Employed in River Meets Ocean Scenario; *TVT Dec. 2020 15244-15252*
- Urien, P.**, see Kamel, J., *TVT June 2020 6631-6643*
- Urquiza-Aguilar, L.F.**, see Sanchez, J.D.V., *TVT Dec. 2020 15137-15148*
- Uthansakul, M.**, see Uthansakul, P., *TVT Jan. 2020 887-900*
- Uthansakul, P.**, Anchuen, P., Uthansakul, M., and Khan, A.A., QoE-Aware Self-Tuning of Service Priority Factor for Resource Allocation Optimization in LTE Networks; *TVT Jan. 2020 887-900*
- Uysal, F.**, Phase-Coded FMCW Automotive Radar: System Design and Interference Mitigation; *TVT Jan. 2020 270-281*
- Uysal, F.**, see Overvest, J., *TVT Jan. 2020 16-25*
- Uysal, M.**, see Karbalayghareh, M., *TVT July 2020 6891-6901*
- Uysal, M.**, see Mitra, R., *TVT Oct. 2020 11800-11810*

V

- Vahidi, A.**, see Ali, G.G.M.N., *TVT May 2020 4621-4634*
- Vakili, M.G.**, see Montrucchio, B., *TVT Dec. 2020 15786-15799*
- Val, T.**, see Gui, L., *TVT Aug. 2020 8949-8958*
- Valaee, S.**, see Sheng, M., *TVT Jan. 2020 509-521*
- Valavanis, K.P.**, see Liu, H., *TVT July 2020 6880-6890*
- Valenza, F.**, see Iorio, M., *TVT Nov. 2020 13450-13466*
- Valkama, M.**, see Mohammadian, A., *TVT Jan. 2020 700-713*
- Valkama, M.**, see Majidi, M., *TVT March 2020 3244-3255*
- Valkama, M.**, see Tafintsev, N., *TVT Sept. 2020 10070-10084*
- Valkama, M.**, see Talvitie, J., *TVT Dec. 2020 16235-16240*
- Valkama, M.**, see Rastorgueva-Foi, E., *TVT Dec. 2020 15842-15856*
- Van Chien, T.**, see Le, T.A., *TVT Nov. 2020 13206-13215*
- van de Liefvoort, A.**, see Tekinay, M., *TVT May 2020 5652-5656*
- Van der Vorst, T.**, see Monfared, S., *TVT Oct. 2020 11369-11382*
- Van Le, T.**, and Lee, K., Adaptive Perturbation-Aided Opportunistic Hybrid Beamforming for mmWave Systems; *TVT June 2020 6554-6562*
- Vankayalapati, B.T.**, see Meher, S.R., *TVT April 2020 3760-3772*
- Vasudev, H.**, Deshpande, V., Das, D., and Das, S.K., A Lightweight Mutual Authentication Protocol for V2V Communication in Internet of Vehicles; *TVT June 2020 6709-6717*
- Vatsalan, D.**, see Yang, Q., *TVT July 2020 6987-6999*
- Velardocchia, M.**, see Ricco, M., *TVT Feb. 2020 1388-1403*
- Velipasalar, S.**, see Hu, Y., *TVT March 2020 3093-3104*
- Venet, P.**, see German, R., *TVT Jan. 2020 328-337*
- Venkatesan, S.**, see Yadav, V.K., *TVT Nov. 2020 13567-13578*
- Ventouras, S.**, see Bai, L., *TVT Dec. 2020 14225-14237*
- Verma, M.K.S.**, Basu, S., Patil, R.S., Hariharan, K.S., Adiga, S.P., Kolake, S.M., Oh, D., Song, T., and Sung, Y., On-Board State Estimation in Electrical Vehicles: Achieving Accuracy and Computational Efficiency Through an Electrochemical Model; *TVT March 2020 2563-2575*
- Verma, S.**, see Yadav, V.K., *TVT Nov. 2020 13567-13578*
- Veysi, M.**, Aghaei, J., Shasadeghi, M., Razzaghi, R., Bahrani, B., and Ryan, D.J., Energy-Efficient Speed Control of Electric Vehicles: Linear Matrix Inequality Approach; *TVT Oct. 2020 10469-10483*
- Vijayakumar, P.**, see Shen, J., *TVT Jan. 2020 807-817*
- Vijayakumar, P.**, see Li, X., *TVT Aug. 2020 8820-8831*
- Villagra, J.**, see Artunedo, A., *TVT June 2020 5983-5994*
- Vinot, E.**, see Kabalan, B., *TVT Dec. 2020 14846-14857*
- Viscera, N.**, see Robuschi, N., *TVT Dec. 2020 14575-14587*
- Viterbo, E.**, see Abbasi, F., *TVT Nov. 2020 14031-14036*
- Viterbo, E.**, see Thaj, T., *TVT Dec. 2020 15606-15622*
- Viterbo, E.**, see Sinha, A.K., *TVT Dec. 2020 15078-15094*
- Viterbo, E.**, see R. T., R., *TVT Dec. 2020 16218-16223*
- Vosoughi, A.**, see Maleki, N., *TVT Oct. 2020 11428-11444*
- Vouyioukas, D.**, see Nomikos, N., *TVT Aug. 2020 9157-9162*
- Vu, T.X.**, see Tran, D., *TVT Sept. 2020 9483-9496*
- Vucetic, B.**, see Zhang, D., *TVT Feb. 2020 1595-1611*
- Vucetic, B.**, see Pradhan, C., *TVT Dec. 2020 16270-16275*
- Vucetic, B.**, see Wang, X., *TVT Dec. 2020 16330-16335*
- Vukobratovic, D.**, see Petkovic, M.I., *TVT Oct. 2020 11099-11111*

W

- Wada, T.**, see Ting, P., *TVT Aug. 2020 8257-8266*
- Walker, P.D.**, see Zhou, S., *TVT Oct. 2020 10710-10723*
- Wallace, A.M.**, Halimi, A., and Buller, G.S., Full Waveform LiDAR for Adverse Weather Conditions; *TVT July 2020 7064-7077*
- Walter, M.**, Shutin, D., Schmidhammer, M., Matolak, D.W., and Zajic, A., Geometric Analysis of the Doppler Frequency for General Non-Stationary 3D Mobile-to-Mobile Channels Based on Prolate Spheroidal Coordinates; *TVT Oct. 2020 10419-10434*
- Walter, M.**, see Sagert, C., *TVT Oct. 2020 10736-10749*
- Wan, C.**, see Jiang, Y., *TVT May 2020 5219-5231*
- Wan, L.**, see Wang, X., *TVT April 2020 3916-3928*
- Wan, Y.**, see Liu, M., *TVT Jan. 2020 593-606*

- Wan, Y.**, see Chen, J., *TVT July 2020 7146-7158*
- Wan, Z.**, Gao, Z., Shim, B., Yang, K., Mao, G., and Alouini, M., Compressive Sensing Based Channel Estimation for Millimeter-Wave Full-Dimensional MIMO With Lens-Array; *TVT Feb. 2020 2337-2342*
- Wang, B.**, Sun, Y., Liu, D., Nguyen, H.M., and Duong, T.Q., Social-Aware UAV-Assisted Mobile Crowd Sensing in Stochastic and Dynamic Environments for Disaster Relief Networks; *TVT Jan. 2020 1070-1074*
- Wang, B.**, see Cao, K., *TVT Feb. 2020 1942-1955*
- Wang, B.**, Sun, Y., Zhao, N., and Gui, G., Learn to Coloring: Fast Response to Perturbation in UAV-Assisted Disaster Relief Networks; *TVT March 2020 3505-3509*
- Wang, B.**, Sun, Y., Duong, T.Q., Nguyen, L.D., and Zhao, N., Security Enhanced Content Sharing in Social IoT: A Directed Hypergraph-Based Learning Scheme; *TVT April 2020 4412-4425*
- Wang, B.**, see Ma, Y., *TVT Nov. 2020 13812-13820*
- Wang, C.**, see Chien, H., *TVT Feb. 2020 2079-2091*
- Wang, C.**, Li, Y., and Chang, L., Performance Analysis of Improved LT Codes With the Removal of Low Degree Input Symbols; *TVT Feb. 2020 2296-2300*
- Wang, C.**, see Zhan, W., *TVT March 2020 3341-3356*
- Wang, C.**, see Chao, C., *TVT April 2020 4325-4339*
- Wang, C.**, see Si-Ma, L., *TVT June 2020 6437-6451*
- Wang, C.**, see Luan, Z., *TVT Aug. 2020 8140-8150*
- Wang, C.**, see Zhou, T., *TVT Aug. 2020 8107-8118*
- Wang, C.**, Feng, D., Zhang, S., and Chen, Q., Video Caching and Transcoding in Wireless Cellular Networks With Mobile Edge Computing: A Robust Approach; *TVT Aug. 2020 9234-9238*
- Wang, C.**, Zhang, Z., Liu, Y., and Gao, H., Mechanical Design and Analysis of a High-Torque Modular Hybrid Excitation Synchronous Machine for Electric Vehicle Propulsion Applications; *TVT Sept. 2020 9624-9633*
- Wang, C.**, see Hwang, R., *TVT Oct. 2020 12072-12084*
- Wang, C.**, see Liu, P., *TVT Oct. 2020 10630-10641*
- Wang, C.**, Xia, M., and Meng, M.Q., Stable Autonomous Robotic Wheelchair Navigation in the Environment With Slope Way; *TVT Oct. 2020 10759-10771*
- Wang, C.**, see Ding, X., *TVT Nov. 2020 12797-12806*
- Wang, C.**, see Zhang, Z., *TVT Nov. 2020 13521-13531*
- Wang, C.**, Li, Z., Xia, X., Shi, J., Si, J., and Zou, Y., Physical Layer Security Enhancement Using Artificial Noise in Cellular Vehicle-to-Everything (C-V2X) Networks; *TVT Dec. 2020 15253-15268*
- Wang, C.**, see Xie, Y., *TVT Dec. 2020 14657-14673*
- Wang, C.**, see Lopez, C.F., *TVT Dec. 2020 14212-14224*
- Wang, C.**, see Zhang, P., *TVT Dec. 2020 15774-15785*
- Wang, D.**, Wang, Y., Dong, S., Huang, G., Liu, J., and Gao, W., On Delay-Aware Resource Control With Statistical QoS Provisioning By Dual Connectivity in Heterogeneous Aeronautical Network; *TVT March 2020 2915-2927*
- Wang, D.**, see Chu, P., *TVT April 2020 3703-3716*
- Wang, D.**, see Zhou, L., *TVT June 2020 5923-5932*
- Wang, D.**, see Ji, B., *TVT July 2020 7404-7415*
- Wang, D.**, see Xia, X., *TVT July 2020 7569-7582*
- Wang, D.**, see He, H., *TVT Aug. 2020 9121-9125*
- Wang, D.**, see Xu, B., *TVT Oct. 2020 11128-11138*
- Wang, D.**, see Zhang, Y., *TVT Nov. 2020 12921-12937*
- Wang, D.**, see Chen, H., *TVT Dec. 2020 15500-15517*
- Wang, F.**, see Li, P., *TVT July 2020 7998-8002*
- Wang, F.**, see Luo, J., *TVT Aug. 2020 9168-9173*
- Wang, F.**, see Wen, Q., *TVT Oct. 2020 10700-10709*
- Wang, F.**, Gao, J., Li, M., and Zhao, L., Autonomous PEV Charging Scheduling Using Dyna-Q Reinforcement Learning; *TVT Nov. 2020 12609-12620*
- Wang, G.**, see Zhang, Y., *TVT Jan. 2020 151-162*
- Wang, G.**, see Ma, Z., *TVT Feb. 2020 1214-1226*
- Wang, G.**, see Fang, W., *TVT March 2020 3330-3340*
- Wang, G.**, see Zhang, H., *TVT April 2020 4450-4459*
- Wang, G.**, see Sun, R., *TVT May 2020 4842-4854*
- Wang, G.**, see Cheng, C., *TVT Sept. 2020 9566-9576*
- Wang, G.**, see Gu, Q., *TVT Sept. 2020 10348-10361*
- Wang, G.**, see Dai, Z., *TVT Oct. 2020 12031-12042*
- Wang, G.**, see Ma, Z., *TVT Nov. 2020 12418-12431*

- Wang, H., *see* Huang, H., *TVT Jan. 2020 1117-1121*
- Wang, H., *see* Huang, Y., *TVT Jan. 2020 55-66*
- Wang, H., *see* Shi, Z., *TVT Jan. 2020 471-487*
- Wang, H., Zhao, D., Ma, H., and Ding, L., MB-GVNS: Memetic Based Bidirectional General Variable Neighborhood Search for Time-Sensitive Task Allocation in Mobile Crowd Sensing; *TVT Feb. 2020 2219-2229*
- Wang, H., Li, C., Zhang, G., Geng, Q., and Shi, T., Maximum Torque Per Ampere (MTPA) Control of IPMSM Systems Based on Controller Parameters Self-Modification; *TVT March 2020 2613-2620*
- Wang, H., *see* Jing, L., *TVT March 2020 3080-3092*
- Wang, H., Wang, J., Ding, G., Chen, J., and Yang, J., Completion Time Minimization for Turning Angle-Constrained UAV-to-UAV Communications; *TVT April 2020 4569-4574*
- Wang, H., *see* Wang, J., *TVT May 2020 5416-5425*
- Wang, H., *see* Han, C., *TVT May 2020 5331-5342*
- Wang, H., *see* Chen, B., *TVT June 2020 5813-5825*
- Wang, H., *see* Anjum, M.N., *TVT June 2020 6153-6164*
- Wang, H., *see* Ke, H., *TVT July 2020 7916-7929*
- Wang, H., *see* Wang, Y., *TVT July 2020 7895-7907*
- Wang, H., *see* Xiong, F., *TVT Aug. 2020 9002-9016*
- Wang, H., *see* Luo, J., *TVT Aug. 2020 9168-9173*
- Wang, H., *see* Han, G., *TVT Aug. 2020 8959-8971*
- Wang, H., Huang, Y., Khajepour, A., Cao, D., and Lv, C., Ethical Decision-Making Platform in Autonomous Vehicles With Lexicographic Optimization Based Model Predictive Controller; *TVT Aug. 2020 8164-8175*
- Wang, H., Zeng, S., Li, Y., Zhang, P., and Jin, D., Human Mobility Prediction Using Sparse Trajectory Data; *TVT Sept. 2020 10155-10166*
- Wang, H., *see* Zhang, J., *TVT Sept. 2020 9589-9600*
- Wang, H., *see* Fu, Q., *TVT Oct. 2020 10724-10735*
- Wang, H., *see* Guo, C., *TVT Oct. 2020 12301-12305*
- Wang, H., *see* Fang, S., *TVT Oct. 2020 10531-10544*
- Wang, H., Peng, J., Zhao, Y., and Fu, X., Multi-Path Deep CNNs for Fine-Grained Car Recognition; *TVT Oct. 2020 10484-10493*
- Wang, H., *see* Zhu, B., *TVT Oct. 2020 10842-10853*
- Wang, H., *see* Song, Y., *TVT Nov. 2020 13424-13436*
- Wang, H., *see* Zhang, J., *TVT Dec. 2020 14713-14726*
- Wang, H., *see* Jiang, Z., *TVT Dec. 2020 14290-14303*
- Wang, J., *see* Hu, J., *TVT Jan. 2020 1080-1085*
- Wang, J., *see* Wang, S., *TVT Jan. 2020 1131-1135*
- Wang, J., *see* Zhou, J., *TVT Feb. 2020 1291-1308*
- Wang, J., *see* Xia, G., *TVT Feb. 2020 2343-2347*
- Wang, J., *see* Jing, H., *TVT Feb. 2020 1428-1439*
- Wang, J., *see* Zhang, H., *TVT Feb. 2020 1766-1776*
- Wang, J., *see* Li, K., *TVT Feb. 2020 1651-1665*
- Wang, J., *see* Yu, Q., *TVT Feb. 2020 1777-1791*
- Wang, J., *see* Ding, X., *TVT March 2020 2477-2486*
- Wang, J., Yuan, Y., Ni, T., Ma, Y., Liu, M., Xu, G., and Shen, W., Anomalous Trajectory Detection and Classification Based on Difference and Intersection Set Distance; *TVT March 2020 2487-2500*
- Wang, J., *see* Zhu, J., *TVT March 2020 3008-3020*
- Wang, J., Xia, B., Xiao, K., and Chen, Z., Performance Analysis and Power Allocation Strategy for Downlink NOMA Systems in Large-Scale Cellular Networks; *TVT March 2020 3459-3464*
- Wang, J., *see* Wang, Y., *TVT April 2020 4575-4579*
- Wang, J., *see* Zhao, N., *TVT April 2020 3994-4005*
- Wang, J., *see* Sun, J., *TVT April 2020 4487-4491*
- Wang, J., *see* Wang, H., *TVT April 2020 4569-4574*
- Wang, J., *see* Yu, H., *TVT April 2020 3680-3692*
- Wang, J., Zhao, Y., Ma, X., Gao, Q., Pan, M., and Wang, H., Cross-Scenario Device-Free Activity Recognition Based on Deep Adversarial Networks; *TVT May 2020 5416-5425*
- Wang, J., *see* Gui, G., *TVT May 2020 4817-4826*
- Wang, J., *see* Wang, Y., *TVT May 2020 5688-5692*
- Wang, J., *see* Wu, L., *TVT June 2020 6803-6807*
- Wang, J., *see* Fu, X., *TVT June 2020 6670-6679*
- Wang, J., *see* Ke, H., *TVT July 2020 7916-7929*
- Wang, J., *see* Wang, Y., *TVT July 2020 7895-7907*
- Wang, J., *see* Li, Y., *TVT July 2020 7493-7502*
- Wang, J., He, R., and Kim, Y., Optimal Anti-Lock Braking Control With Non-linear Variable Voltage Charging Scheme for an Electric Vehicle; *TVT July 2020 7211-7222*
- Wang, J., *see* Ma, F., *TVT Aug. 2020 8207-8220*
- Wang, J., *see* Li, Y., *TVT Aug. 2020 9229-9233*
- Wang, J., *see* Lu, Y., *TVT Aug. 2020 8459-8467*
- Wang, J., *see* Guo, K., *TVT Aug. 2020 9053-9067*
- Wang, J., Yang, H., Cheng, M., and Lin, M., Joint Optimization of Offloading and Resources Allocation in Secure Mobile Edge Computing Systems; *TVT Aug. 2020 8843-8854*
- Wang, J., *see* Wang, J., *TVT Aug. 2020 8843-8854*
- Wang, J., *see* Wang, J., *TVT Aug. 2020 8843-8854*
- Wang, J., *see* Liu, Q., *TVT Aug. 2020 8832-8842*
- Wang, J., *see* Chen, X., *TVT Sept. 2020 10033-10045*
- Wang, J., Bai, X., Gao, Q., Li, X., Bi, X., and Pan, M., Multi-Target Device-Free Wireless Sensing Based on Multiplexing Mechanisms; *TVT Sept. 2020 10242-10251*
- Wang, J., *see* Sun, J., *TVT Sept. 2020 10375-10379*
- Wang, J., *see* Liu, Y., *TVT Oct. 2020 11756-11770*
- Wang, J., *see* Jiang, W., *TVT Oct. 2020 10519-10530*
- Wang, J., *see* Wang, X., *TVT Oct. 2020 12148-12161*
- Wang, J., *see* Lin, S., *TVT Oct. 2020 11544-11556*
- Wang, J., *see* Gao, Q., *TVT Nov. 2020 14083-14087*
- Wang, J., *see* Cheng, M., *TVT Nov. 2020 13098-13111*
- Wang, J., *see* Cheng, M., *TVT Nov. 2020 13098-13111*
- Wang, J., *see* Ma, Z., *TVT Nov. 2020 12418-12431*
- Wang, J., *see* Qi, Q., *TVT Nov. 2020 13861-13874*
- Wang, J., *see* Wu, Q., *TVT Dec. 2020 15760-15773*
- Wang, J., *see* Zhang, H., *TVT Dec. 2020 15569-15579*
- Wang, J., *see* Mahbas, A., *TVT Dec. 2020 15706-15719*
- Wang, J., *see* Cui, M., *TVT Dec. 2020 15815-15827*
- Wang, J., *see* Ali, W., *TVT Dec. 2020 15427-15441*
- Wang, J., *see* Ali, W., *TVT Dec. 2020 15427-15441*
- Wang, J., *see* Shi, J., *TVT Dec. 2020 16067-16081*
- Wang, J., *see* Shi, J., *TVT Dec. 2020 16067-16081*
- Wang, J., Cai, Y., Chen, L., Shi, D., Wang, S., and Zhu, Z., Research on Compound Coordinated Control for a Power-Split Hybrid Electric Vehicle Based on Compensation of Non-Ideal Communication Network; *TVT Dec. 2020 14818-14833*
- Wang, K., Li, F., Sun, H.Y., and Sun, X.D., Consequent Pole Permanent Magnet Machine With Modular Stator; *TVT July 2020 7054-7063*
- Wang, K., *see* Ren, H., *TVT July 2020 8003-8007*
- Wang, K., Li, J., Yang, Y., Chen, W., and Hanzo, L., Content-Centric Heterogeneous Fog Networks Relying on Energy Efficiency Optimization; *TVT Nov. 2020 13579-13592*
- Wang, K., Lei, H., Pan, G., Pan, C., and Cao, Y., Detection Performance to Spatially Random UAV Using the Ground Vehicle; *TVT Dec. 2020 16320-16324*
- Wang, L., *see* Zhang, H., *TVT Feb. 2020 1766-1776*
- Wang, L., *see* Jiang, Y., *TVT March 2020 2980-2992*
- Wang, L., Lin, X., Zima, E., and Ma, C., Towards Airbnb-Like Privacy-Enhanced Private Parking Spot Sharing Based on Blockchain; *TVT March 2020 2411-2423*
- Wang, L., *see* Yang, Q., *TVT March 2020 2967-2979*
- Wang, L., and Zhou, S., Fractional Dynamic Caching: A Collaborative Design of Storage and Backhaul; *TVT April 2020 4194-4206*
- Wang, L., *see* Chen, Q., *TVT May 2020 5369-5380*
- Wang, L., Peters, G., Liang, Y., and Hanzo, L., Intelligent User-Centric Networks: Learning-Based Downlink CoMP Region Breathing; *TVT May 2020 5583-5597*
- Wang, L., *see* Miao, M., *TVT June 2020 6813-6817*
- Wang, L., and Chen, Z., Enhanced Diversity-Achieving Quadrature Spatial Modulation With Fast Decodability; *TVT June 2020 6165-6177*
- Wang, L., *see* Liu, Y., *TVT July 2020 7281-7294*
- Wang, L., *see* Jiang, S., *TVT Sept. 2020 10252-10263*
- Wang, L., *see* Zhao, P., *TVT Oct. 2020 11909-11925*
- Wang, L., *see* Qiu, B., *TVT Oct. 2020 11028-11041*

- Wang, L., *see* Ma, R., *TVT Oct. 2020 12338-12342*
- Wang, L., *see* Liu, L., *TVT Oct. 2020 12085-12097*
- Wang, L., Yang, Y., and Liu, X., A Direct Position Determination Approach for Underwater Acoustic Sensor Networks; *TVT Nov. 2020 13033-13044*
- Wang, L., *see* Cai, X., *TVT Dec. 2020 15486-15499*
- Wang, L., *see* An, J., *TVT Dec. 2020 16202-16206*
- Wang, L.Y., *see* Li, C., *TVT April 2020 4192-4206*
- Wang, M., Cheng, B., Hassan, N.U., Wu, J., and Yuen, C., Streaming Delay-, Expenditure- and Quality-Balanced Video Over TV White Space; *TVT April 2020 4042-4057*
- Wang, M., *see* Chen, S., *TVT May 2020 4740-4750*
- Wang, N., and Xu, H., Dynamics-Constrained Global-Local Hybrid Path Planning of an Autonomous Surface Vehicle; *TVT July 2020 6928-6942*
- Wang, P., *see* Jiao, Y., *TVT Jan. 2020 920-934*
- Wang, P., *see* Yang, Y., *TVT Feb. 2020 1639-1650*
- Wang, P., *see* Liu, F., *TVT March 2020 2928-2942*
- Wang, P., *see* Zhang, Y., *TVT April 2020 4388-4400*
- Wang, P., *see* Zhang, Y., *TVT May 2020 4711-4726*
- Wang, P., *see* Zhang, W., *TVT Aug. 2020 8698-8709*
- Wang, P., *see* Song, T., *TVT Sept. 2020 9634-9642*
- Wang, P., *see* Hu, X., *TVT Oct. 2020 10787-10796*
- Wang, P., Fang, J., Yuan, X., Chen, Z., and Li, H., Intelligent Reflecting Surface-Assisted Millimeter Wave Communications: Joint Active and Passive Precoding Design; *TVT Dec. 2020 14960-14973*
- Wang, P., *see* Wang, X., *TVT Dec. 2020 16330-16335*
- Wang, Q., *see* Zou, Q., *TVT Jan. 2020 41-54*
- Wang, Q., *see* Yan, X., *TVT March 2020 2836-2849*
- Wang, Q., *see* Mao, T., *TVT April 2020 4105-4117*
- Wang, Q., *see* Mao, T., *TVT April 2020 4553-4557*
- Wang, Q., Zhang, T., Dong, D., and Li, X., Secure Degrees of Freedom of Rank-Deficient BCCM and Rank-Deficient ICCM; *TVT April 2020 4033-4041*
- Wang, Q., *see* Ma, M., *TVT Oct. 2020 10797-10808*
- Wang, Q., Zhao, Y., Deng, Y., Xu, H., Deng, H., and Lin, F., Optimal Coordinated Control of ARS and DYC for Four-Wheel Steer and In-Wheel Motor Driven Electric Vehicle With Unknown Tire Model; *TVT Oct. 2020 10809-10819*
- Wang, R., *see* Xiong, J., *TVT Jan. 2020 714-727*
- Wang, R., *see* Ma, H., *TVT March 2020 3449-3453*
- Wang, R., *see* Qu, X., *TVT April 2020 4426-4438*
- Wang, R., *see* Cui, S., *TVT April 2020 3783-3792*
- Wang, R., *see* Wu, Z., *TVT May 2020 5244-5254*
- Wang, R., *see* Huang, S., *TVT July 2020 7735-7750*
- Wang, R., *see* Sun, W., *TVT Oct. 2020 12240-12251*
- Wang, R., *see* Wu, P., *TVT Nov. 2020 13756-13767*
- Wang, R., *see* Zhou, Y., *TVT Dec. 2020 16126-16141*
- Wang, S., Zhu, L., Zhang, G., Yang, J., Wang, J., and Wu, W., Dual-Band Dual-CP All-Metal Antenna With Large Signal Coverage and High Isolation Over Two Bands for Vehicular Communications; *TVT Jan. 2020 1131-1135*
- Wang, S., *see* Yan, X., *TVT Feb. 2020 2021-2033*
- Wang, S., *see* Li, Q., *TVT March 2020 2758-2770*
- Wang, S., *see* Zhang, X., *TVT March 2020 3296-3309*
- Wang, S., *see* Cui, S., *TVT April 2020 3783-3792*
- Wang, S., Lv, T., Zhang, X., Lin, Z., and Huang, P., Learning-Based Multi-Channel Access in 5G and Beyond Networks With Fast Time-Varying Channels; *TVT May 2020 5203-5218*
- Wang, S., *see* Cao, Y., *TVT July 2020 8008-8012*
- Wang, S., *see* Luo, J., *TVT Aug. 2020 9168-9173*
- Wang, S., *see* Liu, Z., *TVT Oct. 2020 11192-11205*
- Wang, S., *see* Wang, J., *TVT Dec. 2020 14818-14833*
- Wang, T., Hu, F., Cao, F., Mao, Z., and Ling, Z., Sum-Throughput Maximization Based on the Significance and Fairness of Sensors for Energy and Information Transfer in Virtual MIMO-WBAN; *TVT Nov. 2020 13400-13409*
- Wang, T., Yan, Z., Gao, L., Jiang, Y., Ma, T., and Yang, Z., A Novel Graphics-Based Multi-Epoch Power Adjustment Strategy for WPCNs; *TVT Nov. 2020 14093-14098*
- Wang, T., *see* Sun, J., *TVT Dec. 2020 14141-14149*
- Wang, W., *see* He, S., *TVT Jan. 2020 488-496*
- Wang, W., *see* Li, X., *TVT Feb. 2020 1867-1878*
- Wang, W., *see* Cui, S., *TVT April 2020 3783-3792*
- Wang, W., *see* You, L., *TVT May 2020 5693-5697*
- Wang, W., *see* Liu, Z., *TVT June 2020 6699-6708*
- Wang, W., *see* Peng, H., *TVT June 2020 6053-6066*
- Wang, W., *see* Liu, Y., *TVT July 2020 7281-7294*
- Wang, W., Zhang, W., and Wu, J., Optimal Beam Pattern Design for Hybrid Beamforming in Millimeter Wave Communications; *TVT July 2020 7987-7991*
- Wang, W., *see* Hu, X., *TVT Sept. 2020 9849-9865*
- Wang, W., Zhao, Z., Sun, Q., Liao, X., Fang, Z., See, K.Y., and Zheng, Y., Compact Quad-Element Vertically-Polarized High-Isolation Wideband MIMO Antenna for Vehicular Base Station; *TVT Sept. 2020 10000-10008*
- Wang, W., *see* Meng, Y., *TVT Oct. 2020 11501-11514*
- Wang, W., *see* Cui, G., *TVT Oct. 2020 12348-12353*
- Wang, W., and Zhang, W., Truncated Tree Based Hybrid Beamforming for Multi-Panel MIMO; *TVT Nov. 2020 13974-13978*
- Wang, W., *see* Xu, M., *TVT Nov. 2020 13728-13740*
- Wang, W., *see* Dong, F., *TVT Nov. 2020 12963-12973*
- Wang, X., *see* Mohammed, A., *TVT Jan. 2020 685-699*
- Wang, X., *see* Zhang, C., *TVT Feb. 2020 1245-1256*
- Wang, X., and Li, Y., Content Delivery Based on Vehicular Cloud; *TVT Feb. 2020 2105-2113*
- Wang, X., *see* Guo, J., *TVT Feb. 2020 2311-2315*
- Wang, X., *see* Yang, C., *TVT Feb. 2020 1519-1532*
- Wang, X., *see* Du, C., *TVT March 2020 3119-3134*
- Wang, X., *see* Fang, W., *TVT March 2020 3330-3340*
- Wang, X., *see* Chen, B., *TVT March 2020 3470-3475*
- Wang, X., *see* Zhang, W., *TVT March 2020 3166-3178*
- Wang, X., *see* Zhao, N., *TVT April 2020 3994-4005*
- Wang, X., and Tan, C.P., Dynamic Output Feedback Fault Tolerant Control for Unmanned Underwater Vehicles; *TVT April 2020 3693-3702*
- Wang, X., *see* Chu, P., *TVT April 2020 3703-3716*
- Wang, X., Wan, L., Huang, M., Shen, C., Han, Z., and Zhu, T., Low-Complexity Channel Estimation for Circular and Noncircular Signals in Virtual MIMO Vehicle Communication Systems; *TVT April 2020 3916-3928*
- Wang, X., *see* Si, Q., *TVT May 2020 5683-5687*
- Wang, X., *see* Bogale, T.E., *TVT May 2020 5055-5067*
- Wang, X., Tushar, W., Yuen, C., and Zhang, X., Promoting Users' Participation in Mobile Crowdsourcing: A Distributed Truthful Incentive Mechanism (DTIM) Approach; *TVT May 2020 5570-5582*
- Wang, X., Jin, T., Hu, L., and Qian, Z., Energy-Efficient Power Allocation and Q-Learning-Based Relay Selection for Relay-Aided D2D Communication; *TVT June 2020 6452-6462*
- Wang, X., *see* Ding, X., *TVT July 2020 7648-7662*
- Wang, X., *see* Qu, S., *TVT July 2020 7762-7777*
- Wang, X., Xu, J., Tang, H., Chen, N., and Zhang, X., Oversampling Based Analog Beamforming for Initial Access With a Large Number of Receive Antennas; *TVT Aug. 2020 8613-8626*
- Wang, X., *see* Yang, C., *TVT Aug. 2020 8151-8163*
- Wang, X., *see* Wu, T., *TVT Aug. 2020 8243-8256*
- Wang, X., *see* Bai, J., *TVT Sept. 2020 9656-9666*
- Wang, X., *see* Li, X., *TVT Sept. 2020 9921-9937*
- Wang, X., Liu, J., Qiu, T., Mu, C., Chen, C., and Zhou, P., A Real-Time Collision Prediction Mechanism With Deep Learning for Intelligent Transportation System; *TVT Sept. 2020 9497-9508*
- Wang, X., Brink, S.t., SINR Analysis of Different OFDM-Inspired Waveforms Over Doubly Dispersive Channels; *TVT Sept. 2020 9459-9468*
- Wang, X., *see* Zhou, J., *TVT Sept. 2020 10046-10058*
- Wang, X., Liu, X., Chen, H., and Meng, W., Complementary Coded CDMA Systems With CP-Free OFDM; *TVT Oct. 2020 11515-11528*
- Wang, X., *see* Han, L., *TVT Oct. 2020 11950-11962*
- Wang, X., Wang, J., Zhang, X., Chen, X., and Zhou, P., Joint Task Offloading and Payment Determination for Mobile Edge Computing: A Stable Matching Based Approach; *TVT Oct. 2020 12148-12161*
- Wang, X., *see* Zhang, C., *TVT Oct. 2020 11828-11840*

- Wang, X., *see* Zhang, Z., *TVT Oct. 2020 11233-11240*
- Wang, X., *see* Xu, Y., *TVT Nov. 2020 13018-13032*
- Wang, X., Liu, W., Ding, S., Gao, Y., and Jin, M., Low-Complexity Multistage Optimal Detection for SVD-Based Hybrid Millimeter Wave MIMO Systems; *TVT Nov. 2020 13216-13228*
- Wang, X., *see* Sun, H., *TVT Nov. 2020 13741-13755*
- Wang, X., *see* He, D., *TVT Nov. 2020 12408-12417*
- Wang, X., *see* Liu, X., *TVT Dec. 2020 16173-16177*
- Wang, X., *see* Du, C., *TVT Dec. 2020 15880-15892*
- Wang, X., *see* Zhang, H., *TVT Dec. 2020 16191-16196*
- Wang, X., Wang, P., Ding, M., Lin, Z., Lin, F., Vucetic, B., and Hanzo, L., Performance Analysis of Terahertz Unmanned Aerial Vehicular Networks; *TVT Dec. 2020 16330-16335*
- Wang, Y., *see* Zhou, Y., *TVT Jan. 2020 1168-1172*
- Wang, Y., *see* Fang, S., *TVT Jan. 2020 207-219*
- Wang, Y., *see* Sun, R., *TVT Jan. 2020 636-650*
- Wang, Y., Yin, H., Yang, W., Zhang, T., Shen, Y., and Zhu, H., Secure Wireless Powered Cooperative Communication Networks With Finite Energy Storage; *TVT Jan. 2020 1008-1022*
- Wang, Y., *see* Zhou, J., *TVT Feb. 2020 1291-1308*
- Wang, Y., *see* Qin, D., *TVT Feb. 2020 2274-2279*
- Wang, Y., *see* Han, J., *TVT Feb. 2020 2301-2305*
- Wang, Y., *see* Lai, W., *TVT March 2020 3202-3216*
- Wang, Y., *see* Wang, D., *TVT March 2020 2915-2927*
- Wang, Y., Yang, J., Liu, M., and Gui, G., LightAMC: Lightweight Automatic Modulation Classification via Deep Learning and Compressive Sensing; *TVT March 2020 3491-3495*
- Wang, Y., *see* Li, M., *TVT March 2020 3424-3438*
- Wang, Y., Wang, J., Zhang, W., Yang, J., and Gui, G., Deep Learning-Based Cooperative Automatic Modulation Classification Method for MIMO Systems; *TVT April 2020 4575-4579*
- Wang, Y., *see* Cui, S., *TVT April 2020 3783-3792*
- Wang, Y., *see* Liang, Z., *TVT April 2020 3805-3815*
- Wang, Y., Gui, J., Yin, Y., Wang, J., Sun, J., Gui, G., Gacanin, H., Sari, H., and Adachi, F., Automatic Modulation Classification for MIMO Systems via Deep Learning and Zero-Forcing Equalization; *TVT May 2020 5688-5692*
- Wang, Y., *see* Li, J., *TVT June 2020 6333-6347*
- Wang, Y., Ma, X., Wang, J., and Wang, H., Pseudo-3D Vision-Inertia Based Underwater Self-Localization for AUVs; *TVT July 2020 7895-7907*
- Wang, Y., *see* Chen, Y., *TVT July 2020 7847-7862*
- Wang, Y., *see* Xia, X., *TVT Aug. 2020 8080-8096*
- Wang, Y., *see* Sun, R., *TVT Aug. 2020 8529-8541*
- Wang, Y., *see* Cui, J., *TVT Aug. 2020 8914-8924*
- Wang, Y., Zhou, Z., Liu, K., Xie, X., and Li, W., Large-Scale Intelligent Taxi-cab Scheduling: A Distributed and Future-Aware Approach; *TVT Aug. 2020 8176-8191*
- Wang, Y., *see* Zhou, T., *TVT Aug. 2020 8107-8118*
- Wang, Y., *see* Kumar, A., *TVT Aug. 2020 8290-8304*
- Wang, Y., *see* Xu, J., *TVT Aug. 2020 8670-8683*
- Wang, Y., *see* Wu, P., *TVT Sept. 2020 9342-9355*
- Wang, Y., *see* Lu, J., *TVT Sept. 2020 10090-10102*
- Wang, Y., *see* Tang, C., *TVT Sept. 2020 9364-9375*
- Wang, Y., *see* Zhang, L., *TVT Oct. 2020 11445-11457*
- Wang, Y., *see* Liu, Y., *TVT Oct. 2020 11756-11770*
- Wang, Y., *see* Liu, Z., *TVT Oct. 2020 11192-11205*
- Wang, Y., Feng, G., Sun, Y., Qin, S., and Liang, Y., Decentralized Learning Based Indoor Interference Mitigation for 5G-and-Beyond Systems; *TVT Oct. 2020 12124-12135*
- Wang, Y., *see* Qiu, B., *TVT Oct. 2020 11028-11041*
- Wang, Y., *see* Chen, C., *TVT Oct. 2020 10606-10618*
- Wang, Y., *see* Chen, Y., *TVT Oct. 2020 12321-12326*
- Wang, Y., *see* Jin, J., *TVT Nov. 2020 13497-13509*
- Wang, Y., *see* Zhou, G., *TVT Nov. 2020 14116-14121*
- Wang, Y., *see* Sheng, J., *TVT Nov. 2020 13371-13382*
- Wang, Y., Wu, H., Niu, Y., Han, Z., Ai, B., and Zhong, Z., Coalition Game Based Full-Duplex Popular Content Distribution in mmWave Vehicular Networks; *TVT Nov. 2020 13836-13848*
- Wang, Y., *see* Sun, Q., *TVT Nov. 2020 13289-13304*
- Wang, Y., *see* Zhang, X., *TVT Dec. 2020 14893-14902*
- Wang, Y., *see* Sanders, C., *TVT Dec. 2020 15656-15667*
- Wang, Y., Chen, X., Cai, Y., and Hanzo, L., Stochastic Hybrid Combining Design for Quantized Massive MIMO Systems; *TVT Dec. 2020 16224-16229*
- Wang, Y., *see* Zhou, W., *TVT Dec. 2020 14749-14764*
- Wang, Y., Zhou, X., Zhuang, Z., Sun, L., Qian, Y., Lu, J., and Shu, F., UAV-Enabled Secure Communication With Finite Blocklength; *TVT Dec. 2020 16309-16313*
- Wang, Z., *see* Yang, J., *TVT April 2020 4460-4471*
- Wang, Z., *see* Sha, Z., *TVT April 2020 3929-3942*
- Wang, Z., *see* Mao, T., *TVT April 2020 4105-4117*
- Wang, Z., *see* Mao, T., *TVT April 2020 4553-4557*
- Wang, Z., *see* Zhao, P., *TVT May 2020 5164-5178*
- Wang, Z., *see* Zhang, Y., *TVT Aug. 2020 8643-8656*
- Wang, Z., *see* Zhang, G., *TVT Oct. 2020 12015-12030*
- Wang, Z., *see* Zhang, T., *TVT Nov. 2020 12897-12911*
- Wang, Z., *see* Xia, Y., *TVT Nov. 2020 12664-12678*
- Wang, Z., *see* Ding, X., *TVT Nov. 2020 12797-12806*
- Wang, Z., *see* Wen, S., *TVT Nov. 2020 12470-12481*
- Wang, Z., *see* Fan, W., *TVT Nov. 2020 13910-13915*
- Wang, Z., *see* Zhang, W., *TVT Nov. 2020 12807-12821*
- Wang, Z., *see* Wen, S., *TVT Dec. 2020 16057-16066*
- Wang, Z., Gao, Y., Fang, C., Liu, L., Zhou, H., and Zhang, H., Optimal Control Design for Connected Cruise Control With Stochastic Communication Delays; *TVT Dec. 2020 15357-15369*
- Wasserburger, A., Schirrer, A., Didcock, N., and Hametner, C., A Probability-Based Short-Term Velocity Prediction Method for Energy-Efficient Cruise Control; *TVT Dec. 2020 14424-14435*
- Watanabe, Y., Liu, W., and Shoji, Y., Machine-Learning-Based Hazardous Spot Detection Framework by Mobile Sensing and Opportunistic Networks; *TVT Nov. 2020 13646-13657*
- Watanabe, Y., *see* Liu, W., *TVT Nov. 2020 13849-13860*
- Wei, D.S.L., *see* Xu, J., *TVT June 2020 6688-6698*
- Wei, G., *see* Qin, M., *TVT Feb. 2020 1582-1594*
- Wei, G., *see* Bai, J., *TVT Sept. 2020 9656-9666*
- Wei, H., *see* Chao, C., *TVT April 2020 4325-4339*
- Wei, J., *see* Zhang, J., *TVT Feb. 2020 2114-2125*
- Wei, J., *see* Liu, X., *TVT Feb. 2020 1802-1812*
- Wei, K., *see* Xu, R., *TVT Oct. 2020 11857-11867*
- Wei, N., *see* Zhang, D., *TVT Feb. 2020 1595-1611*
- Wei, S., Jiang, J., Murgovski, N., Sjöberg, J., Zhang, W., Zhang, C., and Hu, X., Optimisation of a Catenary-Free Tramline Equipped With Stationary Energy Storage Systems; *TVT March 2020 2449-2462*
- Wei, S., *see* Qu, Q., *TVT Dec. 2020 15035-15045*
- Wei, W., *see* Xie, R., *TVT Jan. 2020 78-89*
- Wei, X., *see* Tang, C., *TVT Sept. 2020 9364-9375*
- Wei, Z., *see* Wu, H., *TVT April 2020 3954-3967*
- Wei, Z., *see* Yang, F., *TVT June 2020 6422-6436*
- Wei, Z., *see* Yuan, W., *TVT July 2020 7976-7980*
- Wei, Z., *see* Yuan, X., *TVT Aug. 2020 8792-8804*
- Wei, Z., *see* Wu, H., *TVT Sept. 2020 10397*
- Wei, Z., *see* Wu, J., *TVT Nov. 2020 12786-12796*
- Wei, Z., *see* Chen, X., *TVT Dec. 2020 15545-15556*
- Wen, C., *see* Zhang, C., *TVT Feb. 2020 1245-1256*
- Wen, C., *see* Yang, J., *TVT March 2020 2700-2715*
- Wen, F., Shi, J., and Zhang, Z., Joint 2D-DOD, 2D-DOA, and Polarization Angles Estimation for Bistatic EMVS-MIMO Radar via PARAFAC Analysis; *TVT Feb. 2020 1626-1638*
- Wen, H., *see* Song, H., *TVT July 2020 7596-7608*
- Wen, H., *see* Han, L., *TVT Oct. 2020 11950-11962*
- Wen, H., *see* Tang, J., *TVT Oct. 2020 11077-11089*
- Wen, J., *see* Yang, X., *TVT April 2020 3828-3840*
- Wen, J., *see* He, T., *TVT Oct. 2020 11880-11892*
- Wen, J., *see* Chen, H., *TVT Dec. 2020 15500-15517*

- Wen, K.**, Yu, K., Li, Y., Zhang, S., and Zhang, W., A New Quaternion Kalman Filter Based Foot-Mounted IMU and UWB Tightly-Coupled Method for Indoor Pedestrian Navigation; *TVT April 2020 4340-4352*
- Wen, L.**, Gao, S., Luo, Q., Hu, W., and Yin, Y., Wideband Dual Circularly Polarized Antenna for Intelligent Transport Systems; *TVT May 2020 5193-5202*
- Wen, L.**, see Lai, K., *TVT Nov. 2020 13273-13288*
- Wen, M.**, see Mao, T., *TVT April 2020 4105-4117*
- Wen, M.**, see Pei, X., *TVT April 2020 4503-4507*
- Wen, M.**, see Pei, X., *TVT Dec. 2020 16304-16308*
- Wen, Q.**, Wang, F., Xu, B., and Sun, Z., Improving the Fuel Efficiency of Compact Wheel Loader With a Series Hydraulic Hybrid Powertrain; *TVT Oct. 2020 10700-10709*
- Wen, R.**, see Guo, W., *TVT Jan. 2020 457-470*
- Wen, S.**, Chen, J., Yu, F.R., Sun, F., Wang, Z., and Fan, S., Edge Computing-Based Collaborative Vehicles 3D Mapping in Real Time; *TVT Nov. 2020 12470-12481*
- Wen, S.**, Zhao, Y., Liu, X., Sun, F., Lu, H., and Wang, Z., Hybrid Semi-Dense 3D Semantic-Topological Mapping From Stereo Visual-Inertial Odometry SLAM With Loop Closure Detection; *TVT Dec. 2020 16057-16066*
- Wen, S.**, see Zhang, G., *TVT May 2020 4979-4991*
- Wen, W.**, Cui, Y., Quek, T.Q.S., Zheng, F., and Jin, S., Joint Optimal Software Caching, Computation Offloading and Communications Resource Allocation for Mobile Edge Computing; *TVT July 2020 7879-7894*
- Wen, W.**, see Yang, L., *TVT Sept. 2020 10140-10154*
- Wen, X.**, see Hu, Z., *TVT Jan. 2020 349-360*
- Wen, X.**, see Liu, L., *TVT Oct. 2020 12085-12097*
- Wen, Y.**, see Wu, H., *TVT April 2020 3954-3967*
- Wen, Y.**, see Wu, H., *TVT Sept. 2020 10397*
- Wen, Y.**, see Song, Y., *TVT Oct. 2020 11612-11618*
- Weng, C.**, see Zhu, Y., *TVT Aug. 2020 8317-8328*
- Weng, J.**, see Luo, B., *TVT Feb. 2020 2034-2048*
- Weng, J.**, see Lu, K., *TVT May 2020 4689-4699*
- Weng, J.**, see Chen, D., *TVT Oct. 2020 10642-10655*
- Wensowitch, J.**, see Badi, M., *TVT Dec. 2020 14989-15004*
- Westermann, H.**, see Zhang, C., *TVT June 2020 6578-6591*
- Weyn, M.**, see Yusuf, M., *TVT Nov. 2020 12396-12407*
- Wichman, R.**, see Nomikos, N., *TVT Aug. 2020 9157-9162*
- Wikander, J.**, see Feng, L., *TVT March 2020 2621-2635*
- Wing Kwan Ng, D.**, see Li, S., *TVT Aug. 2020 9174-9179*
- Wittevrongel, S.**, see Mili, M.R., *TVT Sept. 2020 9750-9766*
- Won, S.**, see Badrudeen, A.A., *TVT Aug. 2020 8739-8752*
- Wong, E.W.**, see Dong, M., *TVT Nov. 2020 14013-14018*
- Wong, K.**, see Feng, W., *TVT Sept. 2020 9265-9278*
- Wong, V.W.S.**, see Zhang, H., *TVT June 2020 6656-6669*
- Woske, F.**, see Xiong, J., *TVT Sept. 2020 9528-9541*
- Woungang, I.**, see Sultana, A., *TVT May 2020 5343-5354*
- Wragge-Morley, R.**, Herrmann, G., and Barber, P., Supervised Parameter Estimation for Road Vehicles, Mitigating Powertrain Induced Uncertainty; *TVT July 2020 7000-7013*
- Wu, A.**, see Teng, C., *TVT Dec. 2020 15472-15485*
- Wu, C.**, see Sheng, J., *TVT Nov. 2020 13371-13382*
- Wu, D.**, see Yu, B., *TVT Sept. 2020 10306-10319*
- Wu, D.**, see Wu, Y., *TVT Sept. 2020 9960-9971*
- Wu, D.**, Sun, X., and Ansari, N., An FSO-Based Drone Charging System for Emergency Communications; *TVT Dec. 2020 16155-16162*
- Wu, D.O.**, see Gao, X., *TVT July 2020 7317-7324*
- Wu, D.O.**, see Wu, T., *TVT Aug. 2020 8243-8256*
- Wu, D.O.**, see Li, P., *TVT Nov. 2020 13546-13555*
- Wu, F.**, Yang, W., Ren, J., Lyu, F., Yang, P., Zhang, Y., and Shen, X., Named Data Networking Enabled Power Saving Mode Design for WLAN; *TVT Jan. 2020 901-913*
- Wu, F.**, see Lu, J., *TVT March 2020 3190-3201*
- Wu, F.**, see Wu, H., *TVT July 2020 7663-7678*
- Wu, F.**, see Hu, J., *TVT Nov. 2020 12992-13004*
- Wu, H.**, see Yan, X., *TVT March 2020 2836-2849*
- Wu, H.**, Wen, Y., Zhang, J., Wei, Z., Zhang, N., and Tao, X., Energy-Efficient and Secure Air-to-Ground Communication With Jittering UAV; *TVT April 2020 3954-3967*
- Wu, H.**, see Zhang, J., *TVT April 2020 3980-3993*
- Wu, H.**, see Zhang, C., *TVT June 2020 6578-6591*
- Wu, H.**, Yang, Z., Cao, J., and Lai, L., TRiForm: Formation Control for Underwater Sensor Networks With Measurement Errors; *TVT July 2020 7679-7691*
- Wu, H.**, Lu, H., Wu, F., and Chen, C.W., Energy and Delay Optimization for Cache-Enabled Dense Small Cell Networks; *TVT July 2020 7663-7678*
- Wu, H.**, see Chen, J., *TVT Sept. 2020 10291-10305*
- Wu, H.**, see Ma, R., *TVT Sept. 2020 9822-9836*
- Wu, H.**, Wen, Y., Zhang, J., Wei, Z., Zhang, N., and Tao, X., Corrections to "Energy-Efficient and Secure Air-to-Ground Communication With Jittering UAV" *TVT Sept. 2020 10397*
- Wu, H.**, see Wang, Y., *TVT Nov. 2020 13836-13848*
- Wu, H.**, see Chen, Q., *TVT Dec. 2020 14316-14329*
- Wu, J.**, see Shi, Z., *TVT March 2020 2731-2739*
- Wu, J.**, see Wang, M., *TVT April 2020 4042-4057*
- Wu, J.**, Zhang, H., He, R., Chen, P., and Chen, H., A Mechatronic Brake Booster for Electric Vehicles: Design, Control, and Experiment; *TVT July 2020 7040-7053*
- Wu, J.**, see Xie, J., *TVT July 2020 6964-6976*
- Wu, J.**, see Wang, W., *TVT July 2020 7987-7991*
- Wu, J.**, see Sun, K., *TVT July 2020 7518-7530*
- Wu, J.**, Zhou, H., Liu, Z., and Gu, M., Ride Comfort Optimization via Speed Planning and Preview Semi-Active Suspension Control for Autonomous Vehicles on Uneven Roads; *TVT Aug. 2020 8343-8355*
- Wu, J.**, Kim, W., and Shim, B., Pilot-Less One-Shot Sparse Coding for Short Packet-Based Machine-Type Communications; *TVT Aug. 2020 9117-9120*
- Wu, J.**, see Zhang, W., *TVT Aug. 2020 8577-8585*
- Wu, J.**, Wei, Z., Liu, K., Quan, Z., and Li, Y., Battery-Involved Energy Management for Hybrid Electric Bus Based on Expert-Assistance Deep Deterministic Policy Gradient Algorithm; *TVT Nov. 2020 12786-12796*
- Wu, J.**, see Dong, M., *TVT Nov. 2020 14013-14018*
- Wu, J.**, see Liu, X., *TVT Dec. 2020 16173-16177*
- Wu, K.**, see ElHalawany, B.M., *TVT Jan. 2020 1046-1050*
- Wu, K.**, see Zhang, Q., *TVT May 2020 4751-4762*
- Wu, K.**, see Luo, S., *TVT June 2020 6215-6229*
- Wu, K.**, see Tang, G., *TVT June 2020 5889-5900*
- Wu, K.**, see Luo, S., *TVT Nov. 2020 14067-14071*
- Wu, L.**, Zhang, Z., Dang, J., Wu, Y., Liu, H., and Wang, J., Joint User Identification and Channel Estimation Over Rician Fading Channels; *TVT June 2020 6803-6807*
- Wu, L.**, see Chen, B., *TVT June 2020 5813-5825*
- Wu, L.**, see Xia, Y., *TVT Nov. 2020 12664-12678*
- Wu, P.**, Xiao, F., Sha, C., Huang, H., and Sun, L., Trajectory Optimization for UAVs' Efficient Charging in Wireless Rechargeable Sensor Networks; *TVT April 2020 4207-4220*
- Wu, P.**, Ding, L., Wang, Y., Li, L., Zheng, H., and Zhang, J., Performance Analysis for Uplink Transmission in User-Centric Ultra-Dense V2I Networks; *TVT Sept. 2020 9342-9355*
- Wu, P.**, Xiao, F., Huang, H., and Wang, R., Load Balance and Trajectory Design in Multi-UAV Aided Large-Scale Wireless Rechargeable Networks; *TVT Nov. 2020 13756-13767*
- Wu, Q.**, see Xie, R., *TVT Jan. 2020 78-89*
- Wu, Q.**, see Duo, B., *TVT April 2020 4590-4595*
- Wu, Q.**, see Zhe, T., *TVT May 2020 4907-4919*
- Wu, Q.**, see Dong, P., *TVT June 2020 6541-6553*
- Wu, Q.**, see Shen, Z., *TVT Aug. 2020 8657-8669*
- Wu, Q.**, see Zhang, Y., *TVT Oct. 2020 12363-12368*
- Wu, Q.**, Ge, H., Fan, P., Wang, J., Fan, Q., and Li, Z., Time-Dependent Performance Analysis of the 802.11p-Based Platooning Communications Under Disturbance; *TVT Dec. 2020 15760-15773*
- Wu, Q.**, see Duo, B., *TVT Dec. 2020 16288-16293*

- Wu, R.**, and Zhang, Z., Convex Optimization-Based 2-D DOA Estimation With Enhanced Virtual Aperture and Virtual Snapshots Extension for L-Shaped Array; *TVT June 2020 6473-6484*
- Wu, S.**, see Fu, S., *TVT April 2020 4367-4378*
- Wu, S.**, see Yao, H., *TVT June 2020 6718-6730*
- Wu, S.**, see Bai, L., *TVT Dec. 2020 14225-14237*
- Wu, S.X.**, see Li, Q., *TVT March 2020 2758-2770*
- Wu, T.**, Zhou, P., Liu, K., Yuan, Y., Wang, X., Huang, H., and Wu, D.O., Multi-Agent Deep Reinforcement Learning for Urban Traffic Light Control in Vehicular Networks; *TVT Aug. 2020 8243-8256*
- Wu, T.**, see Chen, Y., *TVT Sept. 2020 9304-9314*
- Wu, W.**, Liu, D., Hou, X., and Liu, M., Low-Complexity Beam Training for 5G Millimeter-Wave Massive MIMO Systems; *TVT Jan. 2020 361-376*
- Wu, W.**, see Wang, S., *TVT Jan. 2020 1131-1135*
- Wu, W.**, Cheng, N., Zhang, N., Yang, P., Aldubaikhy, K., and Shen, X., Performance Analysis and Enhancement of Beamforming Training in 802.11ad; *TVT May 2020 5293-5306*
- Wu, W.**, see Gao, M., *TVT Sept. 2020 9643-9655*
- Wu, W.**, see Lee, Y., *TVT Oct. 2020 11042-11054*
- Wu, W.**, see Hui, Y., *TVT Dec. 2020 16044-16056*
- Wu, X.**, and Yan, J., 3-D Mixed Far-Field and Near-Field Sources Localization With Cross Array; *TVT June 2020 6833-6837*
- Wu, X.**, see Dai, P., *TVT July 2020 7821-7834*
- Wu, X.**, see Li, K., *TVT July 2020 7026-7039*
- Wu, X.**, and Zhu, W., Single Far-Field or Near-Field Source Localization With Sparse or Uniform Cross Array; *TVT Aug. 2020 9135-9139*
- Wu, X.**, Yang, M., Zhou, M., Zhang, Y., and Fu, J., A Novel High-Gain DC-DC Converter Applied in Fuel Cell Vehicles; *TVT Nov. 2020 12763-12774*
- Wu, X.**, see Liu, C., *TVT Dec. 2020 14341-14354*
- Wu, Y.**, see Zhou, Y., *TVT Jan. 2020 1168-1172*
- Wu, Y.**, see Hu, J., *TVT Jan. 2020 1080-1085*
- Wu, Y.**, see Xia, G., *TVT Feb. 2020 2343-2347*
- Wu, Y.**, see Yan, X., *TVT March 2020 2836-2849*
- Wu, Y.**, see Lv, X., *TVT March 2020 2828-2835*
- Wu, Y.**, and Zheng, J., Modeling and Analysis of the Uplink Local Delay in MEC-Based VANETs; *TVT April 2020 3538-3549*
- Wu, Y.**, see Qian, L., *TVT May 2020 5494-5507*
- Wu, Y.**, and Zheng, J., Modeling and Analysis of the Downlink Local Delay in MEC-Based VANETs; *TVT June 2020 6619-6630*
- Wu, Y.**, see Wu, L., *TVT June 2020 6803-6807*
- Wu, Y.**, Low, K.H., and Lv, C., Cooperative Path Planning for Heterogeneous Unmanned Vehicles in a Search-and-Track Mission Aiming at an Underwater Target; *TVT June 2020 6782-6787*
- Wu, Y.**, see Lv, Z., *TVT Aug. 2020 8192-8206*
- Wu, Y.**, see Lian, R., *TVT Aug. 2020 8367-8380*
- Wu, Y.**, see Guo, K., *TVT Aug. 2020 9053-9067*
- Wu, Y.**, Wu, D., Ao, L., Yang, L., and Fu, Q., Contention-Based Radio Resource Management for URLLC-Oriented D2D Communications; *TVT Sept. 2020 9960-9971*
- Wu, Y.**, Li, B., Zhang, N., Du, H., and Zhang, B., Rear-Steering Based Decentralized Control of Four-Wheel Steering Vehicle; *TVT Oct. 2020 10899-10913*
- Wu, Y.**, see Fan, B., *TVT Nov. 2020 13328-13340*
- Wu, Y.**, see Yue, L., *TVT Nov. 2020 12459-12469*
- Wu, Y.**, see Hong, C., *TVT Dec. 2020 15893-15907*
- Wu, Z.**, see Shi, Z., *TVT March 2020 2731-2739*
- Wu, Z.**, Li, B., Fei, Z., Zheng, Z., Li, B., and Han, Z., Energy-Efficient Robust Computation Offloading for Fog-IoT Systems; *TVT April 2020 4417-4425*
- Wu, Z.**, Wang, R., Li, Q., Lian, X., Xu, G., Chen, E., and Liu, X., A Location Privacy-Preserving System Based on Query Range Cover-Up or Location-Based Services; *TVT May 2020 5244-5254*
- Wu, Z.**, see Liu, Z., *TVT Sept. 2020 9469-9482*
- Wu, Z.**, Fei, Z., Zheng, Z., Li, B., and Han, Z., Remote Radio Head Activation and User Association in Dense C-RANs; *TVT Oct. 2020 12216-12228*
- Wu, Z.**, see Chuan, H., *TVT Oct. 2020 10820-10831*
- Wu, Z.**, see Zhang, L., *TVT Dec. 2020 16163-16167*
- Wu, Z.**, Fan, Y., Lee, C.H., Gao, D., and Yu, K., Vibration Optimization of FSCW-IPM Motor Based on Iron-Core Modification for Electric Vehicles; *TVT Dec. 2020 14834-14845*
- Wurts, J.**, Stein, J.L., and Ersal, T., Collision Imminent Steering at High Speed Using Nonlinear Model Predictive Control; *TVT Aug. 2020 8278-8289*
- Wymeersch, H.**, see Amani, N., *TVT June 2020 6500-6510*
- Wymeersch, H.**, see Abu-Shaban, Z., *TVT June 2020 6388-6400*
- Wymeersch, H.**, see Ghaseminajm, F., *TVT July 2020 7971-7975*

X

- Xi, J.**, see Zhang, Y., *TVT Aug. 2020 8643-8656*
- Xi, J.**, see Zhao, S., *TVT Nov. 2020 13937-13941*
- Xi, J.**, see Yu, H., *TVT Nov. 2020 12705-12715*
- Xi, J.**, see Li, Z., *TVT Nov. 2020 12497-12509*
- Xi, L.**, see Yang, X., *TVT April 2020 3828-3840*
- Xi, Z.**, see Yang, T., *TVT Nov. 2020 13927-13931*
- Xia, B.**, see Liao, X., *TVT Jan. 2020 983-997*
- Xia, B.**, see Wang, J., *TVT March 2020 3459-3464*
- Xia, G.**, Lin, Y., Shu, F., Wu, Y., and Wang, J., An Anti-Eavesdropping Strategy for Precoding-Aided Spatial Modulation With Rough CSI of Eve; *TVT Feb. 2020 2343-2347*
- Xia, J.**, He, K., Xu, W., Zhang, S., Fan, L., and Karagiannidis, G.K., A MIMO Detector With Deep Learning in the Presence of Correlated Interference; *TVT April 2020 4492-4497*
- Xia, M.**, see Wang, C., *TVT Oct. 2020 10759-10771*
- Xia, S.**, Lin, F., Chen, Z., Tang, C., Ma, Y., and Yu, X., A Bayesian Game Based Vehicle-to-Vehicle Electricity Trading Scheme for Blockchain-Enabled Internet of Vehicles; *TVT July 2020 6856-6868*
- Xia, W.**, see Huang, H., *TVT Jan. 2020 1065-1069*
- Xia, X.**, Zhu, P., Li, J., Wang, D., Xin, Y., and You, X., Joint Sparse Beamforming and Power Control for a Large-Scale DAS With Network-Assisted Full Duplex; *TVT July 2020 7569-7582*
- Xia, X.**, Xu, K., Zhao, S., and Wang, Y., Learning the Time-Varying Massive MIMO Channels: Robust Estimation and Data-Aided Prediction; *TVT Aug. 2020 8080-8096*
- Xia, X.**, see Xiong, L., *TVT Oct. 2020 10668-10680*
- Xia, X.**, see Wang, C., *TVT Dec. 2020 15253-15268*
- Xia, Y.**, Wu, L., Wang, Z., Zheng, X., and Jin, J., Cluster-Enabled Cooperative Scheduling Based on Reinforcement Learning for High-Mobility Vehicular Networks; *TVT Nov. 2020 12664-12678*
- Xiang, C.**, see Peng, H., *TVT June 2020 6053-6066*
- Xiang, C.**, see Li, K., *TVT July 2020 7026-7039*
- Xiang, H.**, Peng, M., Sun, Y., and Yan, S., Mode Selection and Resource Allocation in Sliced Fog Radio Access Networks: A Reinforcement Learning Approach; *TVT April 2020 4271-4284*
- Xiang, H.**, Chen, B., Yang, T., and Liu, D., Improved De-Multipath Neural Network Models With Self-Paced Feature-to-Feature Learning for DOA Estimation in Multipath Environment; *TVT May 2020 5068-5078*
- Xiang, L.**, Maunder, R.G., and Hanzo, L., Concurrent OFDM Demodulation and Turbo Decoding for Ultra Reliable Low Latency Communication; *TVT Feb. 2020 1281-1290*
- Xiang, L.**, see Li, Z., *TVT Sept. 2020 9807-9821*
- Xiang, L.**, see Zhang, J., *TVT Oct. 2020 11152-11168*
- Xiang, L.**, Liu, Y., Egilmez, Z.B.K., G. Maunder, R., Yang, L., and Hanzo, L., Soft List Decoding of Polar Codes; *TVT Nov. 2020 13921-13926*
- Xiang, L.**, Zhong, S., Maunder, R.G., and Hanzo, L., Reduced-Complexity Low-Latency Logarithmic Successive Cancellation Stack Polar Decoding for 5G New Radio and Its Software Implementation; *TVT Nov. 2020 12449-12458*
- Xiang, W.**, see Huang, T., *TVT Sept. 2020 9376-9389*
- Xiang, Y.**, see Zhang, Z., *TVT Nov. 2020 13521-13531*
- Xiang, Z.**, see Yu, B., *TVT Sept. 2020 10306-10319*
- Xiang, Z.**, see Song, Y., *TVT Nov. 2020 13424-13436*
- Xiang, Z.**, see Hong, C., *TVT Dec. 2020 15893-15907*
- Xiao, B.**, see Zhou, S., *TVT Oct. 2020 10710-10723*
- Xiao, F.**, see Fei, H., *TVT Feb. 2020 2263-2273*

- Xiao, F., *see* Wu, P., *TVT April 2020 4207-4220*
- Xiao, F., *see* Sheng, B., *TVT July 2020 7930-7939*
- Xiao, F., *see* Gui, L., *TVT Aug. 2020 8949-8958*
- Xiao, F., *see* Chen, Y., *TVT Nov. 2020 13821-13835*
- Xiao, F., *see* Wu, P., *TVT Nov. 2020 13756-13767*
- Xiao, H., Chronopoulos, A.T., and Zhang, Z., An Efficient Security Scheme for Vehicular Communication Using a Quantum Secret Sharing Method; *TVT Jan. 2020 1101-1105*
- Xiao, H., *see* Liu, X., *TVT Sept. 2020 9707-9719*
- Xiao, J., *see* Yang, W., *TVT June 2020 5749-5759*
- Xiao, J., *see* Zheng, J., *TVT June 2020 6603-6618*
- Xiao, K., *see* Wang, J., *TVT March 2020 3459-3464*
- Xiao, L., *see* Lu, X., *TVT March 2020 3068-3079*
- Xiao, L., *see* Huang, C., *TVT April 2020 3628-3640*
- Xiao, L., *see* Cao, A., *TVT Dec. 2020 16213-16217*
- Xiao, M., *see* You, L., *TVT May 2020 5693-5697*
- Xiao, M., *see* Li, Y., *TVT Aug. 2020 9201-9205*
- Xiao, M., *see* Huang, S., *TVT Oct. 2020 11697-11711*
- Xiao, M., *see* Zhang, Y., *TVT Dec. 2020 15298-15313*
- Xiao, P., *see* Chen, H., *TVT Feb. 2020 2306-2310*
- Xiao, P., *see* Mheich, Z., *TVT July 2020 8018-8022*
- Xiao, P., *see* Cao, A., *TVT Dec. 2020 16213-16217*
- Xiao, R., *see* Li, X., *TVT Sept. 2020 9921-9937*
- Xiao, X., *see* Xu, W., *TVT Jan. 2020 131-139*
- Xiao, X., *see* Qin, H., *TVT April 2020 4542-4547*
- Xiao, Y., *see* Jiang, K., *TVT Feb. 2020 2291-2295*
- Xiao, Y., *see* Li, Q., *TVT Aug. 2020 9244-9248*
- Xiao, Y., *see* Li, Y., *TVT Aug. 2020 9201-9205*
- Xiao, Z., *see* Zeng, F., *TVT July 2020 7634-7647*
- Xiao, Z., Xu, S., Li, T., Jiang, H., Zhang, R., Regan, A.C., and Chen, H., On Extracting Regular Travel Behavior of Private Cars Based on Trajectory Data Analysis; *TVT Dec. 2020 14537-14549*
- Xiaoli, X., *see* Nguyen, H., *TVT July 2020 6902-6915*
- Xie, B., Zhang, Q., and Qin, J., Joint Optimization of Cooperative Communication and Computation in Two-Way Relay MEC Systems; *TVT April 2020 4596-4600*
- Xie, F., *see* Song, H., *TVT July 2020 7596-7608*
- Xie, J., *see* Yang, J., *TVT April 2020 4460-4471*
- Xie, J., Fang, J., Liu, C., and Yang, L., Unsupervised Deep Spectrum Sensing: A Variational Auto-Encoder Based Approach; *TVT May 2020 5307-5319*
- Xie, J., *see* Chen, D., *TVT May 2020 5634-5646*
- Xie, J., *see* Chen, J., *TVT July 2020 7146-7158*
- Xie, J., Yu, J., Wu, J., Shi, Z., and Chen, J., Adaptive Switching Spatial-Temporal Fusion Detection for Remote Flying Drones; *TVT July 2020 6964-6976*
- Xie, J., *see* Zhang, H., *TVT Sept. 2020 9795-9806*
- Xie, J., *see* Qiu, B., *TVT Oct. 2020 11028-11041*
- Xie, L., *see* Jing, H., *TVT Feb. 2020 1428-1439*
- Xie, L., *see* Chen, Y., *TVT Nov. 2020 13821-13835*
- Xie, N., and Luo, J., Resources Allocation at the Physical Layer for Network Function Virtualization Deployment; *TVT March 2020 2771-2784*
- Xie, R., Wei, W., Wu, Q., Ding, T., and Mei, S., Optimal Service Pricing and Charging Scheduling of an Electric Vehicle Sharing System; *TVT Jan. 2020 78-89*
- Xie, S., *see* Jiang, L., *TVT Jan. 2020 828-841*
- Xie, S., *see* Liu, Y., *TVT Oct. 2020 12229-12239*
- Xie, S., *see* Liu, Y., *TVT Dec. 2020 15720-15730*
- Xie, S., *see* Yang, C., *TVT Dec. 2020 15988-16000*
- Xie, S., *see* Jiang, L., *TVT Dec. 2020 15828-15841*
- Xie, W., *see* Yang, L., *TVT Oct. 2020 12296-12300*
- Xie, X., *see* Wang, Y., *TVT Aug. 2020 8176-8191*
- Xie, X., *see* Lu, H., *TVT Dec. 2020 14945-14959*
- Xie, Y., Liu, Z., Chan, K.Y., and Guan, X., Energy-Spectral Efficiency Optimization in Vehicular Communications: Joint Clustering and Pricing-Based Robust Power Control Approach; *TVT Nov. 2020 13673-13685*
- Xie, Y., Wang, C., Hu, X., Lin, X., Zhang, Y., and Li, W., An MPC-Based Control Strategy for Electric Vehicle Battery Cooling Considering Energy Saving and Battery Lifespan; *TVT Dec. 2020 14657-14673*
- Xin, G., *see* Si-Ma, L., *TVT June 2020 6437-6451*
- Xin, Y., *see* Lu, J., *TVT March 2020 3190-3201*
- Xin, Y., *see* Xia, X., *TVT July 2020 7569-7582*
- Xing, C., *see* Huang, J., *TVT April 2020 3903-3915*
- Xing, C., *see* Cao, Y., *TVT July 2020 8008-8012*
- Xing, H., Ploeg, J., and Nijmeijer, H., Compensation of Communication Delays in a Cooperative ACC System; *TVT Feb. 2020 1177-1189*
- Xing, H., *see* Dai, P., *TVT July 2020 7821-7834*
- Xing, J., *see* Chen, J., *TVT Oct. 2020 11353-11368*
- Xing, R., *see* Li, J., *TVT March 2020 3267-3279*
- Xing, S., *see* Zhu, Y., *TVT Dec. 2020 15920-15932*
- Xing, Y., Lv, C., and Cao, D., Personalized Vehicle Trajectory Prediction Based on Joint Time-Series Modeling for Connected Vehicles; *TVT Feb. 2020 1341-1352*
- Xing, Y., *see* Hang, P., *TVT Dec. 2020 14458-14469*
- Xiong, F., Zheng, H., Ruan, L., Wang, H., Tang, L., Dong, X., and Li, A., Energy-Saving Data Aggregation for Multi-UAV System; *TVT Aug. 2020 9002-9016*
- Xiong, H., *see* Sun, J., *TVT Nov. 2020 12938-12950*
- Xiong, J., Cheong, J.W., Xiong, Z., Dempster, A.G., Tian, S., and Wang, R., Hybrid Cooperative Positioning for Vehicular Networks; *TVT Jan. 2020 714-727*
- Xiong, J., *see* Liu, X., *TVT Feb. 2020 1802-1812*
- Xiong, J., Cheong, J.W., Xiong, Z., Dempster, A.G., List, M., Woske, F., and Rievers, B., Carrier-Phase-Based Multi-Vehicle Cooperative Positioning Using V2V Sensors; *TVT Sept. 2020 9528-9541*
- Xiong, K., *see* Jiang, R., *TVT July 2020 7264-7280*
- Xiong, K., Leng, S., Chen, X., Huang, C., Yuen, C., and Guan, Y.L., Communication and Computing Resource Optimization for Connected Autonomous Driving; *TVT Nov. 2020 12652-12663*
- Xiong, L., Xia, X., Lu, Y., Liu, W., Gao, L., Song, S., and Yu, Z., IMU-Based Automated Vehicle Body Sideslip Angle and Attitude Estimation Aided by GNSS Using Parallel Adaptive Kalman Filters; *TVT Oct. 2020 10668-10680*
- Xiong, X., *see* Kumar, A., *TVT Aug. 2020 8290-8304*
- Xiong, Y., A Generalized VAMP-Based Channel Estimator for Uplink Quantized Massive MIMO Systems; *TVT June 2020 6838-6842*
- Xiong, Z., *see* Xiong, J., *TVT Jan. 2020 714-727*
- Xiong, Z., *see* Xiong, J., *TVT Sept. 2020 9528-9541*
- Xiong, Z., *see* Xu, C., *TVT Oct. 2020 11771-11785*
- Xu, B., *see* Zhang, G., *TVT May 2020 4979-4991*
- Xu, B., *see* Wen, Q., *TVT Oct. 2020 10700-10709*
- Xu, B., Zhu, P., Li, J., Wang, D., and You, X., Joint Long-Term Energy Efficiency Optimization in C-RAN With Hybrid Energy Supply; *TVT Oct. 2020 11128-11138*
- Xu, C., *see* Zhang, C., *TVT June 2020 6578-6591*
- Xu, C., *see* Yuan, X., *TVT Aug. 2020 8792-8804*
- Xu, C., *see* Xu, H., *TVT Sept. 2020 10127-10139*
- Xu, C., Xiong, Z., Han, Z., Zhao, G., and Yu, S., Link Reliability-Based Adaptive Routing for Multilevel Vehicular Networks; *TVT Oct. 2020 11771-11785*
- Xu, C., *see* Zhang, Y., *TVT Oct. 2020 11206-11219*
- Xu, C., Zhao, W., Li, L., Chen, Q., Kuang, D., and Zhou, J., A Nash Q-Learning Based Motion Decision Algorithm With Considering Interaction to Traffic Participants; *TVT Nov. 2020 12621-12634*
- Xu, C., *see* Zhang, Y., *TVT Nov. 2020 12843-12856*
- Xu, C., *see* Zhang, Y., *TVT Dec. 2020 16230-16234*
- Xu, C., *see* Gao, K., *TVT Dec. 2020 16142-16154*
- Xu, C., Zheng, G., and Zhao, X., Energy-Minimization Task Offloading and Resource Allocation for Mobile Edge Computing in NOMA Heterogeneous Networks; *TVT Dec. 2020 16001-16016*
- Xu, C., *see* An, J., *TVT Dec. 2020 16202-16206*
- Xu, D., *see* Dai, Y., *TVT April 2020 4312-4324*
- Xu, D., *see* He, H., *TVT Aug. 2020 9196-9200*
- Xu, D., Proactive Eavesdropping of Suspicious Non-Orthogonal Multiple Access Networks; *TVT Nov. 2020 13958-13963*
- Xu, F., and Shen, T., Look-Ahead Prediction-Based Real-Time Optimal Energy Management for Connected HEVs; *TVT March 2020 2537-2551*
- Xu, F., *see* Yu, X., *TVT Oct. 2020 12291-12295*

- Xu, F.**, see Yang, H., *TVT Nov. 2020 13947-13951*
- Xu, G.**, see Wang, J., *TVT March 2020 2487-2500*
- Xu, G.**, see Wu, Z., *TVT May 2020 5244-5254*
- Xu, G.**, see Li, Y., *TVT Dec. 2020 15800-15814*
- Xu, H.**, see Wang, N., *TVT July 2020 6928-6942*
- Xu, H.**, see Li, H., *TVT Sept. 2020 10214-10226*
- Xu, H.**, Li, D., Liu, M., Han, G., Huang, W., and Xu, C., QoE-Driven Intelligent Handover for User-Centric Mobile Satellite Networks; *TVT Sept. 2020 10127-10139*
- Xu, H.**, see Wang, Q., *TVT Oct. 2020 10809-10819*
- Xu, J.**, Xue, K., Tian, H., Hong, J., Wei, D.S.L., and Hong, P., An Identity Management and Authentication Scheme Based on Redactable Blockchain for Mobile Networks; *TVT June 2020 6688-6698*
- Xu, J.**, see Wang, X., *TVT Aug. 2020 8613-8626*
- Xu, J.**, Wang, Y., Xu, W., Jin, S., Shen, H., and You, X., On Uplink Performance of Multiuser Massive MIMO Relay Network With Limited RF Chains; *TVT Aug. 2020 8670-8683*
- Xu, J.**, see Liu, Y., *TVT Oct. 2020 11659-11672*
- Xu, J.**, see Liu, Q., *TVT Oct. 2020 11685-11696*
- Xu, J.**, see Lan, L., *TVT Oct. 2020 11584-11598*
- Xu, J.**, see Zou, Y., *TVT Oct. 2020 12369-12373*
- Xu, K.**, see Shen, M., *TVT June 2020 5773-5783*
- Xu, K.**, see Xia, X., *TVT Aug. 2020 8080-8096*
- Xu, L.**, see Bian, F., *TVT March 2020 2588-2597*
- Xu, L.**, see Zhang, X., *TVT June 2020 6107-6118*
- Xu, L.**, Zhao, W., Liu, G., Ji, J., and Niu, S., A Novel Dual-Permanent-Magnet-Excited Machine With Non-Uniformly Distributed Permanent-Magnets and Flux Modulation Poles on the Stator; *TVT July 2020 7104-7115*
- Xu, L.**, see Cui, G., *TVT Oct. 2020 12348-12353*
- Xu, L.**, see Ma, R., *TVT Oct. 2020 12338-12342*
- Xu, L.**, see Liu, B., *TVT Dec. 2020 16183-16187*
- Xu, M.**, Liang, X., Yuan, B., Zhang, Z., You, X., and Zhang, C., Stochastic Belief Propagation Polar Decoding With Efficient Re-Randomization; *TVT June 2020 6771-6776*
- Xu, M.**, see Li, X., *TVT Aug. 2020 8820-8831*
- Xu, M.**, Chen, Y., and Wang, W., A Two-Stage Game Framework to Secure Transmission in Two-Tier UAV Networks; *TVT Nov. 2020 13728-13740*
- Xu, N.**, see Zhao, B., *TVT Dec. 2020 14631-14644*
- Xu, P.**, Yang, Z., Ding, Z., Krikidis, I., and Chen, Q., A Novel Probabilistic Buffer-Aided Relay Selection Scheme in Cooperative Networks; *TVT April 2020 4548-4552*
- Xu, Q.**, and Cai, L., Active Braking Control of Electric Vehicles to Achieve Maximal Friction Based on Fast Extremum-Seeking and Reachability; *TVT Dec. 2020 14869-14883*
- Xu, Q.**, see Bai, L., *TVT Dec. 2020 14225-14237*
- Xu, R.**, Gao, S.S., Li, J., Wei, K., and Luo, Q., A Reconfigurable Dual-Band Dual-Circularly Polarized Antenna for Vehicle Global Navigation Satellite System Application; *TVT Oct. 2020 11857-11867*
- Xu, S.**, Han, S., Meng, W., Yan, S., and He, L., Correlation-Based Cooperative Jamming to Enhance Secrecy With Receiver-Side Correlation; *TVT Feb. 2020 1903-1912*
- Xu, S.**, see Zhu, Y., *TVT Aug. 2020 8317-8328*
- Xu, S.**, see Liu, Q., *TVT Oct. 2020 10545-10557*
- Xu, S.**, see Li, P., *TVT Nov. 2020 13546-13555*
- Xu, S.**, see Xiao, Z., *TVT Dec. 2020 14537-14549*
- Xu, T.**, see Liu, H., *TVT Feb. 2020 1363-1374*
- Xu, T.**, see Lu, X., *TVT March 2020 3068-3079*
- Xu, T.**, see Sun, R., *TVT May 2020 4842-4854*
- Xu, W.**, Xiao, X., Du, G., Hu, D., and Zou, J., Comprehensive Efficiency Optimization of Linear Induction Motors for Urban Transit; *TVT Jan. 2020 131-139*
- Xu, W.**, see Yang, Z., *TVT Feb. 2020 1913-1927*
- Xu, W.**, see Tan, X., *TVT Feb. 2020 1267-1280*
- Xu, W.**, see Xia, J., *TVT April 2020 4492-4497*
- Xu, W.**, see Zhang, C., *TVT April 2020 3562-3574*
- Xu, W.**, see Miao, M., *TVT June 2020 6813-6817*
- Xu, W.**, see Huang, S., *TVT July 2020 7483-7492*
- Xu, W.**, see Zou, J., *TVT July 2020 7092-7103*
- Xu, W.**, see Ren, H., *TVT July 2020 8003-8007*
- Xu, W.**, see Xu, J., *TVT Aug. 2020 8670-8683*
- Xu, W.**, see Zhang, T., *TVT Nov. 2020 12897-12911*
- Xu, W.**, see Shang, J., *TVT Nov. 2020 13148-13164*
- Xu, W.**, see Cai, X., *TVT Dec. 2020 15486-15499*
- Xu, X.**, Sun, Y., Gui, J., Yao, Y., and Zhang, T., A Fast Robust In-Motion Alignment Method for SINS With DVL Aided; *TVT April 2020 3816-3827*
- Xu, X.**, see Yao, Y., *TVT April 2020 3740-3747*
- Xu, X.**, see Yao, Y., *TVT April 2020 3740-3747*
- Xu, X.**, see Yao, Y., *TVT Oct. 2020 10750-10758*
- Xu, X.**, see Yao, Y., *TVT Oct. 2020 10750-10758*
- Xu, Y.**, see Fang, S., *TVT Jan. 2020 207-219*
- Xu, Y.**, see Tan, X., *TVT Feb. 2020 1267-1280*
- Xu, Y.**, see Tian, X., *TVT Feb. 2020 1473-1483*
- Xu, Y.**, see Jiang, Z., *TVT Feb. 2020 2157-2170*
- Xu, Y.**, see Briso, C., *TVT March 2020 3439-3443*
- Xu, Y.**, see Qian, B., *TVT June 2020 6374-6387*
- Xu, Y.**, see Zhang, J., *TVT July 2020 7940-7954*
- Xu, Y.**, see Cui, J., *TVT Aug. 2020 8914-8924*
- Xu, Y.**, see Gou, B., *TVT Oct. 2020 10854-10867*
- Xu, Y.**, see Fang, S., *TVT Oct. 2020 10531-10544*
- Xu, Y.**, see Lin, S., *TVT Oct. 2020 11544-11556*
- Xu, Y.**, Shen, C., Cai, D., and Zhu, G., Latency Constrained Non-Orthogonal Packets Scheduling With Finite Blocklength Codes; *TVT Oct. 2020 12312-12316*
- Xu, Y.**, Dong, X., Ren, G., Chen, J., Wang, X., Jia, L., and Ruan, L., Convert Harm Into Benefit: A Coordination-Learning Based Dynamic Spectrum Anti-Jamming Approach; *TVT Nov. 2020 13018-13032*
- Xu, Y.**, see Xu, Y., *TVT Nov. 2020 13018-13032*
- Xu, Y.**, see Fang, F., *TVT Nov. 2020 14088-14092*
- Xu, Y.**, see Liu, W., *TVT Dec. 2020 14739-14748*
- Xu, Z.**, see Ma, H., *TVT March 2020 3449-3453*
- Xu, Z.**, see Li, C., *TVT May 2020 4827-4841*
- Xu, Z.**, Song, Y., and Liu, Z., Effective Measures to Improve Current Collection Quality for Double Pantographs and Catenary Based on Wave Propagation Analysis; *TVT June 2020 6299-6309*
- Xue, H.**, Yu, J., Lyu, F., and Li, M., Push the Limit of Multipath Profiling Using Commodity WiFi Devices With Limited Bandwidth; *TVT April 2020 4142-4154*
- Xue, K.**, see Li, R., *TVT April 2020 4006-4018*
- Xue, K.**, see Xu, J., *TVT June 2020 6688-6698*
- Xue, K.**, see Li, L., *TVT Dec. 2020 15594-15605*
- Xue, Q.**, Shen, S., Li, G., Zhang, Y., Chen, Z., and Liu, Y., Remaining Useful Life Prediction for Lithium-Ion Batteries Based on Capacity Estimation and Box-Cox Transformation; *TVT Dec. 2020 14765-14779*
- Xue, W.**, Yu, K., Li, Q., Zhou, B., Zhu, J., Chen, Y., Qiu, W., Hua, X., Ma, W., and Chen, Z., Eight-Diagram Based Access Point Selection Algorithm for Indoor Localization; *TVT Nov. 2020 13196-13205*
- Xue, Y.**, see Zhang, C., *TVT May 2020 4663-4676*

Y

- Yacoub, M.D.**, see Silva, P.E.G., *TVT June 2020 6766-6770*
- Yadav, I.**, Kulkarni, A.A., and Karandikar, A., Strategy-Proof Spectrum Allocation Among Multiple Operators in Wireless Networks; *TVT Dec. 2020 15964-15977*
- Yadav, S.**, see Pandey, A., *TVT Dec. 2020 15095-15112*
- Yadav, V.K.**, Verma, S., and Venkatesan, S., Efficient and Secure Location-Based Services Scheme in VANET; *TVT Nov. 2020 13567-13578*
- Yalcin, A.Z.**, Yuksel, M., and Clerckx, B., Rate Splitting for Multi-Group Multicasting With a Common Message; *TVT Oct. 2020 12281-12285*
- Yalcin, A.Z.**, and Yapp, Y., Multiuser Precoding for Sum-Rate Maximization in Relay-Aided mmWave Communications; *TVT June 2020 6808-6812*
- Yamchi, N.M.**, see Abedi, M.R., *TVT Aug. 2020 8499-8513*
- Yan, F.**, see Zhu, Y., *TVT Dec. 2020 15920-15932*

- Yan, H.**, Chen, Y., and Yang, S., UAV-Enabled Wireless Power Transfer With Base Station Charging and UAV Power Consumption; *TVT Nov. 2020 12883-12896*
- Yan, H.**, and Yang, H., Pilot Length and Channel Estimation for Massive MIMO IoT Systems; *TVT Dec. 2020 15532-15544*
- Yan, J.**, see Zhang, J., *TVT March 2020 2437-2448*
- Yan, J.**, see Wu, X., *TVT June 2020 6833-6837*
- Yan, J.**, see Kabir, M.E., *TVT July 2020 6952-6963*
- Yan, J.**, Guo, D., Luo, X., and Guan, X., AUV-Aided Localization for Underwater Acoustic Sensor Networks With Current Field Estimation; *TVT Aug. 2020 8855-8870*
- Yan, L.**, see Zhang, T., *TVT March 2020 3412-3423*
- Yan, L.**, Fang, X., Hao, L., and Fang, Y., A Fast Beam Alignment Scheme for Dual-Band HSR Wireless Networks; *TVT April 2020 3968-3979*
- Yan, L.**, see Li, Y., *TVT May 2020 4920-4934*
- Yan, L.**, see Zhang, L., *TVT July 2020 7416-7428*
- Yan, P.**, Zou, Y., Ding, X., and Zhu, J., Energy-Aware Relay Selection Improves Security-Reliability Tradeoff in Energy Harvesting Cooperative Cognitive Radio Systems; *TVT May 2020 5115-5128*
- Yan, P.**, Yang, J., Liu, M., Sun, J., and Gui, G., Secrecy Outage Analysis of Transmit Antenna Selection Assisted With Wireless Power Beacon; *TVT July 2020 7473-7482*
- Yan, Q.**, see Zheng, L., *TVT Jan. 2020 818-827*
- Yan, S.**, see Xu, S., *TVT Feb. 2020 1903-1912*
- Yan, S.**, see Xiang, H., *TVT April 2020 4271-4284*
- Yan, S.**, see Rahman, G.M.S., *TVT April 2020 4401-4411*
- Yan, S.**, see Zhao, S., *TVT Nov. 2020 13937-13941*
- Yan, W.**, see Liu, H., *TVT Feb. 2020 1363-1374*
- Yan, X.**, Cao, J., Sun, L., Zhou, J., Wang, S., and Song, A., Accurate Analytical-Based Multi-Hop Localization With Low Energy Consumption for Irregular Networks; *TVT Feb. 2020 2021-2033*
- Yan, X.**, Liu, G., Wu, H., Zhang, G., Wang, Q., and Wu, Y., Robust Modulation Classification Over α -Stable Noise Using Graph-Based Fractional Lower-Order Cyclic Spectrum Analysis; *TVT March 2020 2836-2849*
- Yan, Y.**, see Li, J., *TVT Jan. 2020 1106-1110*
- Yan, Z.**, see Li, Z., *TVT July 2020 7583-7595*
- Yan, Z.**, see Wang, T., *TVT Nov. 2020 14093-14098*
- Yang, B.**, see Chen, S., *TVT Sept. 2020 10227-10241*
- Yang, C.**, Shi, Y., Li, L., and Wang, X., Efficient Mode Transition Control for Parallel Hybrid Electric Vehicle With Adaptive Dual-Loop Control Framework; *TVT Feb. 2020 1519-1532*
- Yang, C.**, see Shi, Z., *TVT March 2020 2731-2739*
- Yang, C.**, see Liu, Y., *TVT April 2020 4233-4245*
- Yang, C.**, see Zhang, C., *TVT April 2020 3562-3574*
- Yang, C.**, see Fei, J., *TVT July 2020 7835-7846*
- Yang, C.**, Wang, X., and Mao, S., Unsupervised Drowsy Driving Detection With RFID; *TVT Aug. 2020 8151-8163*
- Yang, C.**, see Guo, J., *TVT Sept. 2020 9984-9999*
- Yang, C.**, see Chen, D., *TVT Oct. 2020 11963-11974*
- Yang, C.**, see He, T., *TVT Oct. 2020 11880-11892*
- Yang, C.**, see Chung, C., *TVT Nov. 2020 12974-12991*
- Yang, C.**, Lou, W., Liu, Y., and Xie, S., Resource Allocation for Edge Computing-Based Vehicle Platoon on Freeway: A Contract-Optimization Approach; *TVT Dec. 2020 15988-16000*
- Yang, C.**, see Li, L., *TVT Dec. 2020 15594-15605*
- Yang, C.**, see Fei, J., *TVT Dec. 2020 15908-15919*
- Yang, D.**, see Yao, Y., *TVT April 2020 3740-3747*
- Yang, F.**, Yang, S., Sun, L., Chen, Y., Qu, S., and Hu, J., DOA Estimation via Sparse Signal Recovery in 4-D Linear Antenna Arrays With Optimized Time Sequences; *TVT Jan. 2020 771-783*
- Yang, F.**, and Luo, X., A Restless MAB-Based Index Policy for UL Pilot Allocation in Massive MIMO Over Gauss-Markov Fading Channels; *TVT March 2020 3034-3047*
- Yang, F.**, see Liu, X., *TVT March 2020 2878-2890*
- Yang, F.**, Han, J., Ding, X., Wei, Z., and Bi, X., Spectral Efficiency Optimization and Interference Management for Multi-Hop D2D Communications in VANETs; *TVT June 2020 6422-6436*
- Yang, F.**, see Zhou, H., *TVT Nov. 2020 13510-13520*
- Yang, G.**, see Shi, Z., *TVT Jan. 2020 471-487*
- Yang, G.**, Shi, Z., He, S., and Zhang, J., Socially Privacy-Preserving Data Collection for Crowdsensing; *TVT Jan. 2020 851-861*
- Yang, H.**, see Bao, T., *TVT Jan. 2020 1122-1126*
- Yang, H.**, Zheng, K., Zhao, L., and Hanzo, L., Twin-Timescale Radio Resource Management for Ultra-Reliable and Low-Latency Vehicular Networks; *TVT Jan. 2020 1023-1036*
- Yang, H.**, see He, S., *TVT Jan. 2020 488-496*
- Yang, H.**, see Wang, J., *TVT Aug. 2020 8843-8854*
- Yang, H.**, Xu, F., and Alouini, M., Statistical Energy Efficiency Characterization for Wireless Transmission Over Fading Channels; *TVT Nov. 2020 13947-13951*
- Yang, H.**, Bao, T., and Alouini, M., Transient Performance Limits for Ultra-Reliable Low-Latency Communications Over Fading Channels; *TVT Nov. 2020 13970-13973*
- Yang, H.**, Zhou, Q., Ni, J., Li, H., and Shen, X., Accurate Image-Based Pedestrian Detection With Privacy Preservation; *TVT Dec. 2020 14494-14509*
- Yang, H.**, see Yan, H., *TVT Dec. 2020 15532-15544*
- Yang, H.J.**, see Kim, Y., *TVT July 2020 7247-7263*
- Yang, H.J.**, see Jang, J., *TVT Nov. 2020 13768-13783*
- Yang, J.**, see Yu, X., *TVT Jan. 2020 522-536*
- Yang, J.**, see Zhang, Y., *TVT Jan. 2020 151-162*
- Yang, J.**, see Huang, H., *TVT Jan. 2020 1065-1069*
- Yang, J.**, see Gui, G., *TVT Jan. 2020 140-150*
- Yang, J.**, see Wang, S., *TVT Jan. 2020 1131-1135*
- Yang, J.**, see Guo, X., *TVT Jan. 2020 428-442*
- Yang, J.**, see Zhang, C., *TVT Feb. 2020 1245-1256*
- Yang, J.**, Jin, S., Wen, C., Yang, X., and Matthaiou, M., Fast Beam Training Architecture for Hybrid mmWave Transceivers; *TVT March 2020 2700-2715*
- Yang, J.**, see Wang, Y., *TVT March 2020 3491-3495*
- Yang, J.**, Xie, J., Chen, S., Wang, Z., Hu, H., and Hanzo, L., Proportional-Fair Multi-User Scalable Layered Wireless Video Streaming Powered by Energy Harvesting; *TVT April 2020 4460-4471*
- Yang, J.**, see Wang, Y., *TVT April 2020 4575-4579*
- Yang, J.**, see Sun, J., *TVT April 2020 4487-4491*
- Yang, J.**, see Shen, Y., *TVT April 2020 3575-3589*
- Yang, J.**, see Wang, H., *TVT April 2020 4569-4574*
- Yang, J.**, see Yan, P., *TVT July 2020 7473-7482*
- Yang, J.**, see Lin, J., *TVT Aug. 2020 8710-8724*
- Yang, J.**, see Chen, S., *TVT Sept. 2020 10227-10241*
- Yang, J.**, see Sun, J., *TVT Sept. 2020 10375-10379*
- Yang, J.**, Cui, G., Yu, X., and Kong, L., Dual-Use Signal Design for Radar and Communication via Ambiguity Function Sidelobe Control; *TVT Sept. 2020 9781-9794*
- Yang, J.**, see Yang, L., *TVT Oct. 2020 12296-12300*
- Yang, J.**, see Kildal, M.S., *TVT Nov. 2020 13165-13179*
- Yang, K.**, see Wan, Z., *TVT Feb. 2020 2337-2342*
- Yang, K.**, see Yu, Y., *TVT Feb. 2020 1706-1718*
- Yang, K.**, see Guo, Y., *TVT April 2020 3879-3892*
- Yang, K.**, see Ni, Z., *TVT July 2020 8028-8033*
- Yang, K.**, see Yue, Q., *TVT Oct. 2020 11394-11407*
- Yang, K.**, see Ni, Z., *TVT Oct. 2020 11055-11065*
- Yang, K.**, see Hu, J., *TVT Nov. 2020 12992-13004*
- Yang, K.**, see Zhang, H., *TVT Nov. 2020 14049-14054*
- Yang, K.**, see Zhao, Y., *TVT Nov. 2020 14078-14082*
- Yang, K.**, see Li, Y., *TVT Dec. 2020 15800-15814*
- Yang, K.**, see Zhang, H., *TVT Dec. 2020 16191-16196*
- Yang, L.**, see Huang, W., *TVT March 2020 3481-3485*
- Yang, L.**, see Zhu, J., *TVT March 2020 3008-3020*
- Yang, L.**, see Xie, J., *TVT May 2020 5307-5319*
- Yang, L.**, Zheng, F., Wen, W., and Jin, S., Analysis and Optimization of Random Caching in mmWave Heterogeneous Networks; *TVT Sept. 2020 10140-10154*
- Yang, L.**, see Wu, Y., *TVT Sept. 2020 9960-9971*

- Yang, L., Meng, F., Zhang, J., Hasna, M.O., and Renzo, M.D., On the Performance of RIS-Assisted Dual-Hop UAV Communication Systems; *TVT Sept. 2020 10385-10390*
- Yang, L., see Liu, Y., *TVT Oct. 2020 11673-11684*
- Yang, L., see Liu, Y., *TVT Oct. 2020 12327-12332*
- Yang, L., see Ren, H., *TVT Oct. 2020 10619-10629*
- Yang, L., Yang, J., Xie, W., Hasna, M.O., Tsiftsis, T., and Renzo, M.D., Secrecy Performance Analysis of RIS-Aided Wireless Communication Systems; *TVT Oct. 2020 12296-12300*
- Yang, L., see Xiang, L., *TVT Nov. 2020 13921-13926*
- Yang, L., see Lima, B.K.S., *TVT Nov. 2020 14061-14066*
- Yang, L., see Li, S., *TVT Nov. 2020 14043-14048*
- Yang, L., see Yang, P., *TVT Dec. 2020 14355-14364*
- Yang, L., see Chen, R., *TVT Dec. 2020 15113-15126*
- Yang, M., see Wu, X., *TVT Nov. 2020 12763-12774*
- Yang, M., see Ma, Z., *TVT Nov. 2020 12418-12431*
- Yang, M., see Zhang, H., *TVT Dec. 2020 15569-15579*
- Yang, N., see Lago, L.A., *TVT Jan. 2020 405-417*
- Yang, N., Zhang, H., Long, K., Hsieh, H., and Liu, J., Deep Neural Network for Resource Management in NOMA Networks; *TVT Jan. 2020 876-886*
- Yang, P., see Wu, F., *TVT Jan. 2020 901-913*
- Yang, P., see Jiang, K., *TVT Feb. 2020 2291-2295*
- Yang, P., see Wu, W., *TVT May 2020 5293-5306*
- Yang, P., see Luo, S., *TVT June 2020 6215-6229*
- Yang, P., see Chen, J., *TVT Sept. 2020 10291-10305*
- Yang, P., see Gao, M., *TVT Sept. 2020 9643-9655*
- Yang, P., see Chen, J., *TVT Oct. 2020 11353-11368*
- Yang, P., see Luo, S., *TVT Nov. 2020 14067-14071*
- Yang, P., Duan, D., Chen, C., Cheng, X., and Yang, L., Multi-Sensor Multi-Vehicle (MSMV) Localization and Mobility Tracking for Autonomous Driving; *TVT Dec. 2020 14355-14364*
- Yang, Q., see Zhang, X., *TVT Jan. 2020 317-327*
- Yang, Q., Huang, Y., Yen, Y., Chen, L., Chen, H., Hong, X., Shi, J., and Wang, L., Location Based Joint Spectrum Sensing and Radio Resource Allocation in Cognitive Radio Enabled LTE-U Systems; *TVT March 2020 2967-2979*
- Yang, Q., Shen, Y., Vatsalan, D., Zhang, J., Kaafar, M.A., and Hu, W., P4Mobi: A Probabilistic Privacy-Preserving Framework for Publishing Mobility Datasets; *TVT July 2020 6987-6999*
- Yang, Q., see Liu, Y., *TVT Dec. 2020 15720-15730*
- Yang, S., see Zhang, X., *TVT Jan. 2020 317-327*
- Yang, S., see Yang, F., *TVT Jan. 2020 771-783*
- Yang, S., see Cui, L., *TVT June 2020 5864-5875*
- Yang, S., see Ma, R., *TVT Sept. 2020 9822-9836*
- Yang, S., see Yan, H., *TVT Nov. 2020 12883-12896*
- Yang, T., see Li, R., *TVT April 2020 4006-4018*
- Yang, T., see Liu, H., *TVT April 2020 4221-4232*
- Yang, T., see Hu, Y., *TVT May 2020 5672-5676*
- Yang, T., see Xiang, H., *TVT May 2020 5068-5078*
- Yang, T., see Taghizadeh, O., *TVT July 2020 8034-8039*
- Yang, T., see Sun, R., *TVT Aug. 2020 8529-8541*
- Yang, T., and Xi, Z., Incremental Decode-and-Forward Protocols for D2D Communication: A Diversity-Multiplexing-Tradeoff Perspective; *TVT Nov. 2020 13927-13931*
- Yang, W., see Wu, F., *TVT Jan. 2020 901-913*
- Yang, W., see Wang, Y., *TVT Jan. 2020 1008-1022*
- Yang, W., Dai, X., Xiao, J., and Jin, H., LDV: A Lightweight DAG-Based Blockchain for Vehicular Social Networks; *TVT June 2020 5749-5759*
- Yang, W., Zhang, J., and Zhang, J., On Evaluation of Indoor to Outdoor Communications Using Neighbourhood Small Cells; *TVT July 2020 8045-8050*
- Yang, W., see Lu, X., *TVT Nov. 2020 13045-13059*
- Yang, W., see Song, Y., *TVT Nov. 2020 13424-13436*
- Yang, X., see Yang, J., *TVT March 2020 2700-2715*
- Yang, X., Xi, L., Gao, Z., Li, Y., and Wen, J., Analysis and Design of a Voltage Equalizer Based on Boost Full-Bridge Inverter and Symmetrical Voltage Multiplier for Series-Connected Batteries; *TVT April 2020 3828-3840*
- Yang, X., Yin, Y., Chen, P., and Niu, Q., A Device-Free Intelligent Alarm System Based on the Channel State Information; *TVT Oct. 2020 11419-11427*
- Yang, X., see Lin, J., *TVT Nov. 2020 12635-12651*
- Yang, X., Cao, F., Matthaiou, M., and Jin, S., On the Uplink Transmission of Extra-Large Scale Massive MIMO Systems; *TVT Dec. 2020 15229-15243*
- Yang, Y., see Huang, H., *TVT Jan. 2020 1117-1121*
- Yang, Y., see Anand, K., *TVT Feb. 2020 1679-1694*
- Yang, Y., Peng, H., Zhang, D., and Wang, P., Iterative Processing Structure for the Single-Channel Mixture of Digital-Modulated Adjacent-Frequency Source Signals; *TVT Feb. 2020 1639-1650*
- Yang, Y., see Chen, S., *TVT May 2020 4740-4750*
- Yang, Y., see Lajunen, A., *TVT June 2020 6025-6040*
- Yang, Y., see Fan, K., *TVT June 2020 5826-5835*
- Yang, Y., see Pei, H., *TVT July 2020 7159-7171*
- Yang, Y., see Cheng, X., *TVT Aug. 2020 8483-8498*
- Yang, Y., see Ma, F., *TVT Aug. 2020 8207-8220*
- Yang, Y., Gao, Z., Ma, Y., Cao, B., and He, D., Machine Learning Enabling Analog Beam Selection for Concurrent Transmissions in Millimeter-Wave V2V Communications; *TVT Aug. 2020 9185-9189*
- Yang, Y., see Wang, L., *TVT Nov. 2020 13033-13044*
- Yang, Y., see Wang, K., *TVT Nov. 2020 13579-13592*
- Yang, Y., see Guo, W., *TVT Dec. 2020 14510-14522*
- Yang, Z., Fang, Y., Zhang, G., Lau, F.C.M., Mumtaz, S., and da Costa, D.B., Analysis and Optimization of Tail-Biting Spatially Coupled Protograph LDPC Codes for BICM-ID Systems; *TVT Jan. 2020 390-404*
- Yang, Z., Xu, W., and Shikh-Bahaee, M., Energy Efficient UAV Communication With Energy Harvesting; *TVT Feb. 2020 1913-1927*
- Yang, Z., see Zhong, Z., *TVT March 2020 2576-2587*
- Yang, Z., see Xu, P., *TVT April 2020 4548-4552*
- Yang, Z., Li, Y., Yuan, P., and Zhang, Q., TCSC: A Novel File Distribution Strategy in Integrated LEO Satellite-Terrestrial Networks; *TVT May 2020 5426-5441*
- Yang, Z., see Sun, X., *TVT May 2020 4968-4978*
- Yang, Z., see Wu, H., *TVT July 2020 7679-7691*
- Yang, Z., see Chen, X., *TVT Sept. 2020 10033-10045*
- Yang, Z., and Gao, Z., Finding Reliable Paths Considering the Earliest Arrival Time and the Latest Departure Time With 3-Parameter Lognormal Travel Times; *TVT Oct. 2020 10457-10468*
- Yang, Z., see Liu, K., *TVT Nov. 2020 12716-12724*
- Yang, Z., see Wang, T., *TVT Nov. 2020 14093-14098*
- Yang, Z., see He, Z., *TVT Dec. 2020 14618-14630*
- Yanikomeroglu, H., see Enayati, S., *TVT Jan. 2020 1096-1100*
- Yanikomeroglu, H., see Abedi, M.R., *TVT Aug. 2020 8499-8513*
- Yao, H., Liu, H., Zhang, P., Wu, S., Jiang, C., and Guo, S., A Learning-Based Approach to Intra-Domain QoS Routing; *TVT June 2020 6718-6730*
- Yao, H., see Liu, Q., *TVT Oct. 2020 10545-10557*
- Yao, J., Jiang, R., and Heng, W., Algebraic Construction of Optimal Frequency Hopping Patterns Based on Welch Costas Arrays; *TVT Feb. 2020 1841-1854*
- Yao, J., and Ansari, N., Online Task Allocation and Flying Control in Fog-Aided Internet of Drones; *TVT May 2020 5562-5569*
- Yao, P., Zhao, R., and Zhu, Q., A Hierarchical Architecture Using Biased Min-Consensus for USV Path Planning; *TVT Sept. 2020 9518-9527*
- Yao, Y., Chang, X., Mistic, J., and Mistic, V.B., Lightweight and Privacy-Preserving ID-as-a-Service Provisioning in Vehicular Cloud Computing; *TVT Feb. 2020 2185-2194*
- Yao, Y., see Xu, X., *TVT April 2020 3816-3827*
- Yao, Y., Xu, X., Yang, D., and Xu, X., An IMM-UKF Aided SINS/USBL Calibration Solution for Underwater Vehicles; *TVT April 2020 3740-3747*
- Yao, Y., see Yue, X., *TVT June 2020 6818-6821*
- Yao, Y., Xu, X., Hou, L., Deng, K., and Xu, X., A Simple and Precise Correction Method for DVL Measurements Under the Dynamic Environment; *TVT Oct. 2020 10750-10758*
- Yapc, Y., see Yalcin, A.Z., *TVT June 2020 6808-6812*
- Yarovoy, A., see Overdeest, J., *TVT Jan. 2020 16-25*
- Yassine, A., Hossain, M.S., Muhammad, G., and Guizani, M., Cloudlet-Based Intelligent Auctioning Agents for Truthful Autonomous Electric Vehicles Energy Crowdsourcing; *TVT May 2020 5457-5466*
- Yazdani, A., see Zhang, J., *TVT Dec. 2020 14713-14726*
- Yazdani, V., see Dabiri, M.T., *TVT Dec. 2020 14238-14246*

- Ye, F., *see* Su, C., *TVT Nov. 2020 13686-13701*
- Ye, J., and Gharavi, H., Attractor Selection Based Limited Feedback Hybrid Precoding for Uplink V2I Communications; *TVT April 2020 3943-3953*
- Ye, K., *see* Liu, Q., *TVT Jan. 2020 1055-1059*
- Ye, L., *see* Tian, J., *TVT Oct. 2020 10832-10841*
- Ye, N., *see* Yu, H., *TVT Oct. 2020 10975-10987*
- Ye, Y., *see* Shi, L., *TVT June 2020 6563-6577*
- Ye, Y., Shi, L., Sun, H., Hu, R.Q., and Lu, G., System-Centric Computation Energy Efficiency for Distributed NOMA-Based MEC Networks; *TVT Aug. 2020 8938-8948*
- Ye, Y., *see* Shi, L., *TVT Nov. 2020 13932-13936*
- Ye, Y., *see* Liu, Z., *TVT Nov. 2020 13532-13545*
- Yeh, S., *see* Tafintsev, N., *TVT Sept. 2020 10070-10084*
- Yen, Y., *see* Yang, Q., *TVT March 2020 2967-2979*
- Yeung, K.L., *see* Li, M., *TVT June 2020 6242-6253*
- Yi, W., Fang, Z., Li, W., Hoseinnezhad, R., and Kong, L., Multi-Frame Track-Before-Detect Algorithm for Maneuvering Target Tracking; *TVT April 2020 4104-4118*
- Yi, W., *see* Sun, Z., *TVT June 2020 6525-6540*
- Yin, B., *see* Zhang, S., *TVT Dec. 2020 15370-15384*
- Yin, F., Zeng, M., Zhang, Z., and Liu, D., Coded Caching for Smart Grid Enabled HetNets With Resource Allocation and Energy Cooperation; *TVT Oct. 2020 12058-12071*
- Yin, G., *see* Li, C., *TVT April 2020 4192-4206*
- Yin, H., *see* Wang, Y., *TVT Jan. 2020 1008-1022*
- Yin, H., *see* Jing, L., *TVT March 2020 3080-3092*
- Yin, R., *see* Liu, W., *TVT March 2020 2747-2757*
- Yin, S., Zhao, Y., Li, L., and Yu, F.R., UAV-Assisted Cooperative Communications With Time-Sharing Information and Power Transfer; *TVT Feb. 2020 1554-1567*
- Yin, S., Li, L., and Yu, F.R., Resource Allocation and Basestation Placement in Downlink Cellular Networks Assisted by Multiple Wireless Powered UAVs; *TVT Feb. 2020 2171-2184*
- Yin, S., *see* Feng, B., *TVT Sept. 2020 10115-10126*
- Yin, S., *see* Guo, Y., *TVT Oct. 2020 12374-12377*
- Yin, X., *see* Ma, H., *TVT March 2020 3449-3453*
- Yin, Y., *see* Wen, L., *TVT May 2020 5193-5202*
- Yin, Y., *see* Wang, Y., *TVT May 2020 5688-5692*
- Yin, Y., *see* Liu, Y., *TVT Oct. 2020 11659-11672*
- Yin, Y., *see* Yang, X., *TVT Oct. 2020 11419-11427*
- Yoon, H., *see* Hwang, S., *TVT Dec. 2020 15177-15187*
- Yoon, J., Lee, A., and Lee, H., Rendezvous: Opportunistic Data Delivery to Mobile Users by UAVs Through Target Trajectory Prediction; *TVT Feb. 2020 2230-2245*
- Yoshino, H., *see* Hiraguri, T., *TVT March 2020 2905-2914*
- You, L., *see* Li, K., *TVT Feb. 2020 1651-1665*
- You, L., Xiao, M., Song, X., Liu, Y., Wang, W., Gao, X., and Fettweis, G., Pilot Reuse for Vehicle-to-Vehicle Underlay Massive MIMO Transmission; *TVT May 2020 5693-5697*
- You, X., *see* Zhang, C., *TVT Feb. 2020 1245-1256*
- You, X., *see* Zhou, H., *TVT Feb. 2020 1257-1266*
- You, X., *see* Tan, X., *TVT Feb. 2020 1267-1280*
- You, X., *see* Shen, Y., *TVT April 2020 3575-3589*
- You, X., *see* Zhang, C., *TVT April 2020 3562-3574*
- You, X., *see* Jiang, Y., *TVT May 2020 5219-5231*
- You, X., *see* Ren, Y., *TVT May 2020 5657-5660*
- You, X., *see* Zhang, C., *TVT May 2020 4663-4676*
- You, X., *see* Zhou, H., *TVT June 2020 6777-6781*
- You, X., *see* Xu, M., *TVT June 2020 6771-6776*
- You, X., *see* Xia, X., *TVT July 2020 7569-7582*
- You, X., *see* Xu, J., *TVT Aug. 2020 8670-8683*
- You, X., *see* Xu, B., *TVT Oct. 2020 11128-11138*
- You, X., *see* Zhang, Y., *TVT Nov. 2020 12921-12937*
- You, X., *see* Chen, H., *TVT Dec. 2020 15500-15517*
- You, Y., and Song, H., Efficient Sequential Detection of Carrier Frequency Offset and Primary Synchronization Signal for 5G NR Systems; *TVT Aug. 2020 9212-9216*
- Youn, Y., Cho, S., Song, H., and Hong, W., Polarization and Frequency-Selective Surface for Vehicular Beamforming Communications Requiring Near-Zero Profile; *TVT Feb. 2020 1719-1726*
- Young, C., *see* Olufowobi, H., *TVT Feb. 2020 1484-1494*
- Youssef, A., *see* Kamel, M., *TVT Jan. 2020 746-759*
- Youssef, M., Farah, J., Nour, C.A., and Douillard, C., Full-Duplex and Backhaul-Constrained UAV-Enabled Networks Using NOMA; *TVT Sept. 2020 9667-9681*
- Yu, B., Cai, Y., Wu, D., and Xiang, Z., Average Age of Information in Short Packet Based Machine Type Communication; *TVT Sept. 2020 10306-10319*
- Yu, C., *see* Guo, Y., *TVT April 2020 3879-3892*
- Yu, F.R., *see* Yin, S., *TVT Feb. 2020 1554-1567*
- Yu, F.R., *see* Qin, M., *TVT Feb. 2020 1582-1594*
- Yu, F.R., *see* Yin, S., *TVT Feb. 2020 2171-2184*
- Yu, F.R., *see* Guo, Y., *TVT April 2020 3879-3892*
- Yu, F.R., *see* Lin, P., *TVT May 2020 5508-5520*
- Yu, F.R., *see* Fu, Y., *TVT June 2020 5876-5888*
- Yu, F.R., *see* Fu, X., *TVT June 2020 6670-6679*
- Yu, F.R., *see* Feng, J., *TVT July 2020 7863-7878*
- Yu, F.R., *see* Guo, F., *TVT Aug. 2020 8514-8528*
- Yu, F.R., *see* Chen, X., *TVT Sept. 2020 10033-10045*
- Yu, F.R., *see* Wen, S., *TVT Nov. 2020 12470-12481*
- Yu, F.R., *see* Qi, Q., *TVT Nov. 2020 13861-13874*
- Yu, F.R., *see* Han, R., *TVT Dec. 2020 16082-16094*
- Yu, G., *see* Lee, M., *TVT Jan. 2020 958-970*
- Yu, G., *see* Liu, W., *TVT March 2020 2747-2757*
- Yu, G., *see* He, Y., *TVT Nov. 2020 13593-13605*
- Yu, H., *see* Pei, X., *TVT April 2020 4503-4507*
- Yu, H., Li, Z., Zhang, G., Liu, P., and Wang, J., Extracting and Predicting Taxi Hotspots in Spatiotemporal Dimensions Using Conditional Generative Adversarial Neural Networks; *TVT April 2020 3680-3692*
- Yu, H., *see* Song, L., *TVT May 2020 5403-5415*
- Yu, H., *see* Li, J., *TVT June 2020 6333-6347*
- Yu, H., *see* Si-Ma, L., *TVT June 2020 6437-6451*
- Yu, H., Fei, Z., Zheng, Z., and Ye, N., Finite-Alphabet Signature Design for Grant-Free NOMA: A Quantized Deep Learning Approach; *TVT Oct. 2020 10975-10987*
- Yu, H., Tuan, H.D., Nasir, A.A., Duong, T.Q., and Hanzo, L., Improper Gaussian Signaling for Computationally Tractable Energy and Information Beamforming; *TVT Nov. 2020 13990-13995*
- Yu, H., Zhang, F., Xi, J., and Cao, D., Mixed-Integer Optimal Design and Energy Management of Hybrid Electric Vehicles With Automated Manual Transmissions; *TVT Nov. 2020 12705-12715*
- Yu, H., *see* Pei, X., *TVT Dec. 2020 16304-16308*
- Yu, J., *see* Xue, H., *TVT April 2020 4142-4154*
- Yu, J., *see* Xie, J., *TVT July 2020 6964-6976*
- Yu, J., Liu, X., Qi, H., and Gao, Y., Long-Term Channel Statistic Estimation for Highly-Mobile Hybrid MmWave Multi-User MIMO Systems; *TVT Dec. 2020 14277-14289*
- Yu, K., *see* Wen, K., *TVT April 2020 4340-4352*
- Yu, K., *see* Qian, B., *TVT June 2020 6374-6387*
- Yu, K., *see* Yu, X., *TVT Oct. 2020 12291-12295*
- Yu, K., *see* Xue, W., *TVT Nov. 2020 13196-13205*
- Yu, K., *see* Feng, C., *TVT Nov. 2020 13784-13795*
- Yu, K., *see* Wu, Z., *TVT Dec. 2020 14834-14845*
- Yu, M., *see* Zhang, J., *TVT Sept. 2020 9589-9600*
- Yu, M., *see* Zhang, J., *TVT Dec. 2020 14713-14726*
- Yu, N., *see* Huang, J., *TVT June 2020 6739-6754*
- Yu, Q., Han, C., Bai, L., Wang, J., Choi, J., and Shen, X., Multiuser Selection Criteria for MIMO-NOMA Systems With Different Detectors; *TVT Feb. 2020 1777-1791*
- Yu, Q., *see* Sun, W., *TVT March 2020 2864-2877*
- Yu, S., *see* Xu, C., *TVT Oct. 2020 11771-11785*
- Yu, T., *see* Li, K., *TVT July 2020 7026-7039*
- Yu, W., *see* Lin, J., *TVT Nov. 2020 12635-12651*
- Yu, W., *see* Chen, X., *TVT Dec. 2020 14247-14263*

- Yu, X.**, Cui, G., Yang, J., and Kong, L., MIMO Radar Transmit–Receive Design for Moving Target Detection in Signal-Dependent Clutter; *TVT Jan. 2020* 522-536
- Yu, X.**, Jin, G., and Li, J., Target Tracking Algorithm for System With Gaussian/Non-Gaussian Multiplicative Noise; *TVT Jan. 2020* 90-100
- Yu, X.**, see Xia, S., *TVT July 2020* 6856-6868
- Yu, X.**, see Yang, J., *TVT Sept. 2020* 9781-9794
- Yu, X.**, Xu, F., Yu, K., and Li, N., Joint Energy-Efficient Power Allocation and Beamforming for Uplink mmWave-NOMA System; *TVT Oct. 2020* 12291-12295
- Yu, X.**, see Hong, C., *TVT Dec. 2020* 15893-15907
- Yu, Y.**, Bu, X., Yang, K., Nguyen, H.K., and Han, Z., Network Function Virtualization Resource Allocation Based on Joint Benders Decomposition and ADMM; *TVT Feb. 2020* 1706-1718
- Yu, Y.**, see Tian, F., *TVT April 2020* 4130-4141
- Yu, Z.**, see Dai, P., *TVT July 2020* 7821-7834
- Yu, Z.**, see Xiong, L., *TVT Oct. 2020* 10668-10680
- Yuan, B.**, see Xu, M., *TVT June 2020* 6771-6776
- Yuan, C.**, Tao, X., Ni, W., Li, N., Jamalipour, A., and Liu, R.P., Joint Power Allocation and Beamforming for Overlaid Secrecy Transmissions in MIMO-OFDM Channels; *TVT Sept. 2020* 10019-10032
- Yuan, D.**, see Deng, T., *TVT Jan. 2020* 1157-1162
- Yuan, G.**, see Cheng, J., *TVT April 2020* 4246-4256
- Yuan, J.**, see Yuan, W., *TVT July 2020* 7976-7980
- Yuan, J.**, see Li, S., *TVT Aug. 2020* 9174-9179
- Yuan, J.**, see Huang, T., *TVT Sept. 2020* 9376-9389
- Yuan, J.**, see Yue, L., *TVT Nov. 2020* 12459-12469
- Yuan, J.**, see He, Y., *TVT Nov. 2020* 13593-13605
- Yuan, J.**, see Sun, J., *TVT Nov. 2020* 12938-12950
- Yuan, J.**, see Shi, J., *TVT Dec. 2020* 16067-16081
- Yuan, K.**, see Huang, Y., *TVT Jan. 2020* 55-66
- Yuan, P.**, see Yang, Z., *TVT May 2020* 5426-5441
- Yuan, Q.**, Li, J., Zhou, H., Lin, T., Luo, G., and Shen, X., A Joint Service Migration and Mobility Optimization Approach for Vehicular Edge Computing; *TVT Aug. 2020* 9041-9052
- Yuan, W.**, Wei, Z., Yuan, J., and Ng, D.W.K., A Simple Variational Bayes Detector for Orthogonal Time Frequency Space (OTFS) Modulation; *TVT July 2020* 7976-7980
- Yuan, W.**, see Li, S., *TVT Aug. 2020* 9174-9179
- Yuan, X.**, see Duo, B., *TVT April 2020* 4590-4595
- Yuan, X.**, see Tian, F., *TVT April 2020* 4130-4141
- Yuan, X.**, see Hu, Y., *TVT May 2020* 5672-5676
- Yuan, X.**, Feng, Z., Ni, W., Wei, Z., Liu, R.P., and Xu, C., Connectivity of UAV Swarms in 3D Spherical Spaces Under (Un)Intentional Ground Interference; *TVT Aug. 2020* 8792-8804
- Yuan, X.**, see Huang, T., *TVT Sept. 2020* 9376-9389
- Yuan, X.**, see Shang, J., *TVT Nov. 2020* 13148-13164
- Yuan, X.**, see Chen, X., *TVT Dec. 2020* 15545-15556
- Yuan, X.**, see Wang, P., *TVT Dec. 2020* 14960-14973
- Yuan, X.**, see Duo, B., *TVT Dec. 2020* 16288-16293
- Yuan, Y.**, see Wang, J., *TVT March 2020* 2487-2500
- Yuan, Y.**, see Wu, T., *TVT Aug. 2020* 8243-8256
- Yuan, Y.**, Tasik, R., Adhatarao, S.S., Liu, Z., and Fu, X., RACE: Reinforced Cooperative Autonomous Vehicle Collision Avoidance; *TVT Sept. 2020* 9279-9291
- Yuan, Y.**, see Yuan, Y., *TVT Sept. 2020* 9279-9291
- Yuan, Z.**, see Cui, L., *TVT June 2020* 5864-5875
- Yuan, Z.**, see Zhang, Y., *TVT Aug. 2020* 8643-8656
- Yue, B.**, see Shi, S., *TVT Aug. 2020* 8221-8231
- Yue, L.**, Abdel-Aty, M.A., Wu, Y., and Yuan, J., An Augmentation Function for Active Pedestrian Safety System Based on Crash Risk Evaluation; *TVT Nov. 2020* 12459-12469
- Yue, Q.**, Hu, J., Yang, K., and Huang, C., Transceiver Design for Simultaneous Wireless Information and Power Multicast in Multi-User mmWave MIMO System; *TVT Oct. 2020* 11394-11407
- Yue, S.**, see Ren, J., *TVT Aug. 2020* 8900-8913
- Yue, W.**, see Li, C., *TVT May 2020* 4827-4841
- Yue, X.**, Liu, Y., Yao, Y., Li, T., Li, X., Liu, R., and Nallanathan, A., Outage Behaviors of NOMA-Based Satellite Network Over Shadowed-Rician Fading Channels; *TVT June 2020* 6818-6821
- Yue, Y.**, see Zou, Q., *TVT Jan. 2020* 41-54
- Yuen, C.**, see Wang, M., *TVT April 2020* 4042-4057
- Yuen, C.**, see Wang, X., *TVT May 2020* 5570-5582
- Yuen, C.**, see Xiong, K., *TVT Nov. 2020* 12652-12663
- Yuksel, M.**, see Yalcin, A.Z., *TVT Oct. 2020* 12281-12285
- Yun, S.**, Kang, J., Kim, I., and Ha, J., Deep Artificial Noise: Deep Learning-Based Precoding Optimization for Artificial Noise Scheme; *TVT March 2020* 3465-3469
- Yusuf, M.**, Tanghe, E., Laly, P., Challita, F., Lannoo, B., Halili, R., Berkvens, R., Weyn, M., Martens, L., Gaillot, D.P., Lienard, M., and Joseph, W., Experimental Study on the Impact of Antenna Characteristics on Non-Stationary V2I Channel Parameters in Tunnels; *TVT Nov. 2020* 12396-12407

Z

- Zahedmanesh, A.**, Muttaqi, K.M., and Sutanto, D., Coordinated Charging Control of Electric Vehicles While Improving Power Quality in Power Grids Using a Hierarchical Decision-Making Approach; *TVT Nov. 2020* 12585-12596
- Zajic, A.**, see Walter, M., *TVT Oct. 2020* 10419-10434
- Zakaria, R.**, see Han, Y., *TVT Jan. 2020* 1075-1079
- Zakaria, R.**, see Galdino, I., *TVT Aug. 2020* 9163-9167
- Zamani, H.**, see Zamani, M.R., *TVT Oct. 2020* 11112-11127
- Zamani, M.R.**, Eslami, M., Khorramizadeh, M., Zamani, H., and Ding, Z., Optimizing Weighted-Sum Energy Efficiency in Downlink and Uplink NOMA Systems; *TVT Oct. 2020* 11112-11127
- Zamanipour, M.**, A Novelty in Blahut-Arimoto Type Algorithms: Optimal Control Over Noisy Communication Channels; *TVT June 2020* 6348-6358
- Zambreno, J.**, see Olufowobi, H., *TVT Feb. 2020* 1484-1494
- Zanasi, R.**, and Tebaldi, D., Modeling of Complex Planetary Gear Sets Using Power-Oriented Graphs; *TVT Dec. 2020* 14470-14483
- Zanchetta, M.**, see Ricco, M., *TVT Feb. 2020* 1388-1403
- Zanella, A.**, see Bazzi, A., *TVT Aug. 2020* 9239-9243
- Zang, J.**, Towhidlou, V., and Shikh-Bahaei, M., A Priority-Based Cross-Layer Design for Future VANETs Through Full-Duplex Technology; *TVT July 2020* 7531-7544
- Zarakovitis, C.**, see Li, Y., *TVT Nov. 2020* 13985-13989
- Zavodovski, A.**, see Zhou, P., *TVT Oct. 2020* 12187-12201
- Zaw, C.W.**, see Nguyen, M.N.H., *TVT May 2020* 5618-5633
- Zeng, C.**, see Fang, Y., *TVT Sept. 2020* 10059-10069
- Zeng, F.**, Hu, Z., Xiao, Z., Jiang, H., Zhou, S., Liu, W., and Liu, D., Resource Allocation and Trajectory Optimization for QoE Provisioning in Energy-Efficient UAV-Enabled Wireless Networks; *TVT July 2020* 7634-7647
- Zeng, G.**, see Zhao, F., *TVT Jan. 2020* 101-113
- Zeng, G.**, see Lu, K., *TVT May 2020* 4689-4699
- Zeng, J.**, see Liu, J., *TVT Aug. 2020* 8356-8366
- Zeng, K.**, see Tang, J., *TVT Oct. 2020* 11077-11089
- Zeng, K.**, see Alipour-Fanid, A., *TVT Nov. 2020* 12679-12693
- Zeng, M.**, Hao, W., Dobre, O.A., and Poor, H.V., Delay Minimization for Massive MIMO Assisted Mobile Edge Computing; *TVT June 2020* 6788-6792
- Zeng, M.**, see Yin, F., *TVT Oct. 2020* 12058-12071
- Zeng, Q.**, see Cheng, J., *TVT April 2020* 4246-4256
- Zeng, Q.**, see Du, P., *TVT Oct. 2020* 12162-12174
- Zeng, Q.**, Liu, X., and Du, P., Multi-Level Sequence-Based Frequency-Hopping in Multi-Cell Networks; *TVT Dec. 2020* 16282-16287
- Zeng, S.**, see Wang, H., *TVT Sept. 2020* 10155-10166
- Zeng, Y.**, Ma, Y., and Sun, S., Joint Radar-Communication With Cyclic Prefixed Single Carrier Waveforms; *TVT April 2020* 4069-4079
- Zeng, Y.**, see Huang, W., *TVT Dec. 2020* 16264-16269
- Zeng, Z.**, see Rui, X., *TVT Feb. 2020* 1440-1451
- Zhai, C.**, Li, Y., and Qiao, L., Wireless Power Transfer Based Adaptive Relaying With Energy Accumulation; *TVT Oct. 2020* 11014-11027

- Zhai, C.**, Luo, F., and Liu, Y., A Novel Predictive Energy Management Strategy for Electric Vehicles Based on Velocity Prediction; *TVT Nov. 2020 12559-12569*
- Zhai, D.**, see Huang, Z., *TVT Jan. 2020 4-15*
- Zhai, D.**, see Du, P., *TVT Oct. 2020 12162-12174*
- Zhai, R.**, see Guo, N., *TVT May 2020 4935-4946*
- Zhai, S.**, see Li, Q., *TVT Nov. 2020 13139-13147*
- Zhan, C.**, and Huang, R., Energy Efficient Adaptive Video Streaming With Rotary-Wing UAV; *TVT July 2020 8040-8044*
- Zhan, W.**, Luo, C., Min, G., Wang, C., Zhu, Q., and Duan, H., Mobility-Aware Multi-User Offloading Optimization for Mobile Edge Computing; *TVT March 2020 3341-3356*
- Zhang, A.**, see Fan, Y., *TVT Jan. 2020 282-292*
- Zhang, B.**, see Zhou, J., *TVT Feb. 2020 1291-1308*
- Zhang, B.**, see Huang, G., *TVT March 2020 3357-3369*
- Zhang, B.**, see Guo, K., *TVT May 2020 5129-5141*
- Zhang, B.**, see Guo, K., *TVT Aug. 2020 9053-9067*
- Zhang, B.**, see Cheng, C., *TVT Sept. 2020 9566-9576*
- Zhang, B.**, see Tian, X., *TVT Sept. 2020 10202-10213*
- Zhang, B.**, see Wu, Y., *TVT Oct. 2020 10899-10913*
- Zhang, B.**, see Cui, J., *TVT Oct. 2020 10494-10505*
- Zhang, B.**, Milstein, L.B., and Cosman, P., Energy Optimization For Hybrid ARQ With Turbo Coding: Rate Adaptation and Allocation; *TVT Oct. 2020 11338-11352*
- Zhang, B.**, see Lin, K., *TVT Nov. 2020 12694-12704*
- Zhang, C.**, see Shi, Z., *TVT Jan. 2020 471-487*
- Zhang, C.**, Wang, X., Yang, J., Tan, X., Wen, C., Jin, S., Zhang, Z., and You, X., Efficient Hardware for Generalized Turbo Signal Recovery in Compressed Sensing; *TVT Feb. 2020 1245-1256*
- Zhang, C.**, see Zhou, H., *TVT Feb. 2020 1257-1266*
- Zhang, C.**, see Tan, X., *TVT Feb. 2020 1267-1280*
- Zhang, C.**, see Wei, S., *TVT March 2020 2449-2462*
- Zhang, C.**, see Shen, Y., *TVT April 2020 3575-3589*
- Zhang, C.**, Yang, C., Pang, X., Song, W., Xu, W., Zhang, S., Zhang, Z., and You, X., Efficient Sparse Code Multiple Access Decoder Based on Deterministic Message Passing Algorithm; *TVT April 2020 3562-3574*
- Zhang, C.**, see Ren, Y., *TVT May 2020 5657-5660*
- Zhang, C.**, Jin, J., Xue, Y., Tan, X., Studer, C., Zhang, Z., and You, X., Efficient Pre-Conditioned Descent Search Detector for Massive MU-MIMO; *TVT May 2020 4663-4676*
- Zhang, C.**, Zhu, L., Xu, C., Sharif, K., Wu, H., and Westermann, H., BSFP: Blockchain-Enabled Smart Parking With Fairness, Reliability and Privacy Protection; *TVT June 2020 6578-6591*
- Zhang, C.**, see Zhang, C., *TVT June 2020 6578-6591*
- Zhang, C.**, see Li, H., *TVT June 2020 5732-5735*
- Zhang, C.**, see Huang, J., *TVT June 2020 6739-6754*
- Zhang, C.**, see Zhou, H., *TVT June 2020 6777-6781*
- Zhang, C.**, see Xu, M., *TVT June 2020 6771-6776*
- Zhang, C.**, see Chen, J., *TVT July 2020 7146-7158*
- Zhang, C.**, Zhu, L., Ni, J., Huang, C., and Shen, X., Verifiable and Privacy-Preserving Traffic Flow Statistics for Advanced Traffic Management Systems; *TVT Sept. 2020 10336-10347*
- Zhang, C.**, Sun, X., Zhang, J., Wang, X., Jin, S., and Zhu, H., Distributive Throughput Optimization for Massive Random Access of M2M Communications in LTE Networks; *TVT Oct. 2020 11828-11840*
- Zhang, C.**, see Cong, X., *TVT Nov. 2020 12775-12785*
- Zhang, C.**, see Chen, Y., *TVT Nov. 2020 13702-13717*
- Zhang, C.**, Jia, F., Zhang, Z., Ge, J., and Gong, F., Physical Layer Security Designs for 5G NOMA Systems With a Stronger Near-End Internal Eavesdropper; *TVT Nov. 2020 13005-13017*
- Zhang, D.**, see Yang, Y., *TVT Feb. 2020 1639-1650*
- Zhang, D.**, Li, A., Chen, H., Wei, N., Ding, M., Li, Y., and Vucetic, B., Beam Allocation for Millimeter-Wave MIMO Tracking Systems; *TVT Feb. 2020 1595-1611*
- Zhang, D.**, see Li, D., *TVT March 2020 2812-2827*
- Zhang, D.**, see Song, Y., *TVT Oct. 2020 11612-11618*
- Zhang, D.**, see Jia, S., *TVT Dec. 2020 16294-16298*
- Zhang, F.**, see Du, P., *TVT June 2020 6067-6078*
- Zhang, F.**, see Fan, W., *TVT Nov. 2020 13910-13915*
- Zhang, F.**, see Yu, H., *TVT Nov. 2020 12705-12715*
- Zhang, G.**, see Wang, S., *TVT Jan. 2020 1131-1135*
- Zhang, G.**, see Yang, Z., *TVT Jan. 2020 390-404*
- Zhang, G.**, see Wang, H., *TVT March 2020 2613-2620*
- Zhang, G.**, see Li, D., *TVT March 2020 2812-2827*
- Zhang, G.**, see Yan, X., *TVT March 2020 2836-2849*
- Zhang, G.**, see Yu, H., *TVT April 2020 3680-3692*
- Zhang, G.**, Wen, W., Xu, B., and Hsu, L., Extending Shadow Matching to Tightly-Coupled GNSS/INS Integration System; *TVT May 2020 4979-4991*
- Zhang, G.**, see Guo, C., *TVT May 2020 4855-4868*
- Zhang, G.**, see Zhang, Y., *TVT May 2020 4711-4726*
- Zhang, G.**, see Hu, Y., *TVT Aug. 2020 8972-8984*
- Zhang, G.**, see Zhao, P., *TVT Oct. 2020 11909-11925*
- Zhang, G.**, Ke, F., Zhang, H., Cai, F., Long, G., and Wang, Z., User Access and Resource Allocation in Full-Duplex User-Centric Ultra-Dense Networks; *TVT Oct. 2020 12015-12030*
- Zhang, G.**, see Ding, X., *TVT Dec. 2020 16314-16319*
- Zhang, H.**, see Zhang, Y., *TVT Jan. 2020 151-162*
- Zhang, H.**, see Yang, N., *TVT Jan. 2020 876-886*
- Zhang, H.**, see Zhang, J., *TVT Feb. 2020 2114-2125*
- Zhang, H.**, Jiang, C., Wang, J., Wang, L., Ren, Y., and Hanzo, L., Multicast Beamforming Optimization in Cloud-Based Heterogeneous Terrestrial and Satellite Networks; *TVT Feb. 2020 1766-1776*
- Zhang, H.**, see Li, D., *TVT Feb. 2020 2327-2331*
- Zhang, H.**, Liu, J., Li, K., Tan, H., and Wang, G., Gait Learning Based Authentication for Intelligent Things; *TVT April 2020 4450-4459*
- Zhang, H.**, Di, B., Song, L., and Han, Z., Reconfigurable Intelligent Surfaces Assisted Communications With Limited Phase Shifts: How Many Phase Shifts Are Enough?; *TVT April 2020 4498-4502*
- Zhang, H.**, see Liang, L., *TVT April 2020 3864-3878*
- Zhang, H.**, see Li, C., *TVT April 2020 4192-4206*
- Zhang, H.**, see Di, B., *TVT April 2020 4565-4570*
- Zhang, H.**, see Ding, H., *TVT April 2020 4119-4129*
- Zhang, H.**, see Ju, Z., *TVT May 2020 4609-4620*
- Zhang, H.**, Di, B., Chang, Z., Liu, X., Song, L., and Han, Z., Equilibrium Problems With Equilibrium Constraints Analysis for Power Control and User Scheduling in NOMA Networks; *TVT May 2020 5467-5480*
- Zhang, H.**, see Chen, Y., *TVT June 2020 6644-6655*
- Zhang, H.**, and Wong, V.W.S., A Two-Timescale Approach for Network Slicing in C-RAN; *TVT June 2020 6656-6669*
- Zhang, H.**, see Shi, L., *TVT June 2020 6563-6577*
- Zhang, H.**, see Zhang, S., *TVT June 2020 6592-6602*
- Zhang, H.**, see Dong, P., *TVT June 2020 6541-6553*
- Zhang, H.**, see Zhao, B., *TVT July 2020 7354-7365*
- Zhang, H.**, see Wu, J., *TVT July 2020 7040-7053*
- Zhang, H.**, see Sun, K., *TVT July 2020 7518-7530*
- Zhang, H.**, see Guo, F., *TVT Aug. 2020 8514-8528*
- Zhang, H.**, Zong, B., and Xie, J., Power and Bandwidth Allocation for Multi-Target Tracking in Collocated MIMO Radar; *TVT Sept. 2020 9795-9806*
- Zhang, H.**, see Sun, W., *TVT Oct. 2020 12240-12251*
- Zhang, H.**, see Zhang, G., *TVT Oct. 2020 12015-12030*
- Zhang, H.**, and Hanzo, L., Federated Learning Assisted Multi-UAV Networks; *TVT Nov. 2020 14104-14109*
- Zhang, H.**, see Zhang, S., *TVT Nov. 2020 13905-13909*
- Zhang, H.**, see Shi, L., *TVT Nov. 2020 13932-13936*
- Zhang, H.**, Yang, K., Zhang, S., and Dobre, O.A., Subchannel Allocation Based on Clustered Interference Alignment for Differentiated Data Streams in Dense Small Cell Networks; *TVT Nov. 2020 14049-14054*
- Zhang, H.**, see Lin, J., *TVT Nov. 2020 12635-12651*
- Zhang, H.**, see Wang, Z., *TVT Dec. 2020 15357-15369*
- Zhang, H.**, see Guan, W., *TVT Dec. 2020 15188-15199*
- Zhang, H.**, Yang, M., Bao, W., Li, X., and Wang, J., Short-Frame Fountain Code for Plasma Sheath With "Communication Windows" *TVT Dec. 2020 15569-15579*
- Zhang, H.**, see Zhang, L., *TVT Dec. 2020 16163-16167*

- Zhang, H., *see* Zhuang, Y., *TVT Dec. 2020 15216-15228*
- Zhang, H., Yang, K., Zhang, S., and Wang, X., Efficient Subchannel Allocation Based on Partial Clustering Interference Alignment and Clusters Merging in Dense Small Cell Networks; *TVT Dec. 2020 16191-16196*
- Zhang, J., *see* Peng, L., *TVT Jan. 2020 1091-1095*
- Zhang, J., Shen, T., and Kako, J., Short-Term Optimal Energy Management of Power-Split Hybrid Electric Vehicles Under Velocity Tracking Control; *TVT Jan. 2020 182-193*
- Zhang, J., *see* Yang, G., *TVT Jan. 2020 851-861*
- Zhang, J., *see* Guo, X., *TVT Jan. 2020 428-442*
- Zhang, J., Zhou, L., Zhou, F., Seet, B., Zhang, H., Cai, Z., and Wei, J., Computation-Efficient Offloading and Trajectory Scheduling for Multi-UAV Assisted Mobile Edge Computing; *TVT Feb. 2020 2114-2125*
- Zhang, J., Guo, H., Liu, J., and Zhang, Y., Task Offloading in Vehicular Edge Computing Networks: A Load-Balancing Solution; *TVT Feb. 2020 2092-2104*
- Zhang, J., *see* Liu, H., *TVT Feb. 2020 2286-2290*
- Zhang, J., *see* Du, H., *TVT Feb. 2020 1855-1866*
- Zhang, J., Cai, M., Han, G., Qian, Y., and Shu, L., Cellular Clustering-Based Interference-Aware Data Transmission Protocol for Underwater Acoustic Sensor Networks; *TVT March 2020 3217-3230*
- Zhang, J., Yan, J., and Zhang, P., Multi-UAV Formation Control Based on a Novel Back-Stepping Approach; *TVT March 2020 2437-2448*
- Zhang, J., *see* Jiang, T., *TVT March 2020 2351-2364*
- Zhang, J., *see* Zhang, X., *TVT March 2020 3296-3309*
- Zhang, J., *see* Wu, H., *TVT April 2020 3954-3967*
- Zhang, J., Wu, H., Tao, X., and Zhang, X., Adaptive Bitrate Video Streaming in Non-Orthogonal Multiple Access Networks; *TVT April 2020 3980-3993*
- Zhang, J., *see* Zheng, J., *TVT April 2020 4537-4541*
- Zhang, J., *see* Gao, Y., *TVT April 2020 4580-4584*
- Zhang, J., Li, F., and Chen, J., Detection for OFDM-AF Relay Systems Under Gaussian Mixture Noise With Imperfect CSI; *TVT May 2020 5666-5671*
- Zhang, J., *see* Zhe, T., *TVT May 2020 4907-4919*
- Zhang, J., and Glazunov, A.A., Wireless Energy Efficiency Evaluation for Buildings Under Design Based on Analysis of Interference Gain; *TVT June 2020 6310-6324*
- Zhang, J., *see* Zhang, J., *TVT June 2020 6310-6324*
- Zhang, J., *see* Ma, Z., *TVT June 2020 5836-5849*
- Zhang, J., *see* Shen, M., *TVT June 2020 5773-5783*
- Zhang, J., *see* Si-Ma, L., *TVT June 2020 6437-6451*
- Zhang, J., *see* Yang, Q., *TVT July 2020 6987-6999*
- Zhang, J., *see* Qu, S., *TVT July 2020 7762-7777*
- Zhang, J., *see* Chen, Y., *TVT July 2020 7847-7862*
- Zhang, J., Zhong, H., Cui, J., Tian, M., Xu, Y., and Liu, L., Edge Computing-Based Privacy-Preserving Authentication Framework and Protocol for 5G-Enabled Vehicular Networks; *TVT July 2020 7940-7954*
- Zhang, J., *see* Yang, W., *TVT July 2020 8045-8050*
- Zhang, J., *see* Yang, W., *TVT July 2020 8045-8050*
- Zhang, J., *see* Luan, Z., *TVT Aug. 2020 8140-8150*
- Zhang, J., *see* Liu, S., *TVT Aug. 2020 9223-9228*
- Zhang, J., *see* Cui, J., *TVT Aug. 2020 8914-8924*
- Zhang, J., *see* Liu, H., *TVT Aug. 2020 9180-9184*
- Zhang, J., *see* Wu, P., *TVT Sept. 2020 9342-9355*
- Zhang, J., *see* Qiao, L., *TVT Sept. 2020 10391-10396*
- Zhang, J., *see* Wu, H., *TVT Sept. 2020 10397*
- Zhang, J., Wang, H., Zheng, J., Cao, Z., Man, Z., Yu, M., and Chen, L., Adaptive Sliding Mode-Based Lateral Stability Control of Steer-by-Wire Vehicles With Experimental Validations; *TVT Sept. 2020 9589-9600*
- Zhang, J., *see* Yang, L., *TVT Sept. 2020 10385-10390*
- Zhang, J., Liu, W., Gu, C., Gao, S.S., and Luo, Q., Multi-Beam Multiplexing Design for Arbitrary Directions Based on the Interleaved Subarray Architecture; *TVT Oct. 2020 11220-11232*
- Zhang, J., *see* Song, Y., *TVT Oct. 2020 11612-11618*
- Zhang, J., *see* Zhang, C., *TVT Oct. 2020 11828-11840*
- Zhang, J., *see* Zhang, Y., *TVT Oct. 2020 11206-11219*
- Zhang, J., *see* Chen, Y., *TVT Oct. 2020 12321-12326*
- Zhang, J., Han, J., Xiang, L., Ng, D.W.K., Chen, M., and Jo, M., On the Performance of LTE/Wi-Fi Dual-Mode Uplink Transmission: Connection Probability Versus Energy Efficiency; *TVT Oct. 2020 11152-11168*
- Zhang, J., *see* Hu, H., *TVT Nov. 2020 13890-13904*
- Zhang, J., *see* Hu, H., *TVT Nov. 2020 13890-13904*
- Zhang, J., *see* Li, S., *TVT Nov. 2020 14043-14048*
- Zhang, J., Wang, H., Ma, M., Yu, M., Yazdani, A., and Chen, L., Active Front Steering-Based Electronic Stability Control for Steer-by-Wire Vehicles via Terminal Sliding Mode and Extreme Learning Machine; *TVT Dec. 2020 14713-14726*
- Zhang, J., *see* Zhang, Y., *TVT Dec. 2020 16230-16234*
- Zhang, J., *see* Jia, S., *TVT Dec. 2020 16294-16298*
- Zhang, J., Zheng, G., Krikidis, I., and Zhang, R., Fast Specific Absorption Rate Aware Beamforming for Downlink SWIPT via Deep Learning; *TVT Dec. 2020 16178-16182*
- Zhang, J.A., *see* Chu, P., *TVT April 2020 3703-3716*
- Zhang, J.A., *see* Ni, Z., *TVT July 2020 8028-8033*
- Zhang, J.A., *see* Luo, Y., *TVT Oct. 2020 11000-11013*
- Zhang, J.A., *see* Ni, Z., *TVT Oct. 2020 11055-11065*
- Zhang, K., *see* Lu, Y., *TVT April 2020 4298-4311*
- Zhang, K., *see* Dai, Y., *TVT April 2020 4312-4324*
- Zhang, K., *see* Fan, K., *TVT June 2020 5826-5835*
- Zhang, K., *see* Lu, Y., *TVT Aug. 2020 8459-8467*
- Zhang, K., *see* Dai, Y., *TVT Oct. 2020 12175-12186*
- Zhang, L., *see* Liao, X., *TVT Jan. 2020 983-997*
- Zhang, L., *see* Liu, X., *TVT Feb. 2020 1802-1812*
- Zhang, L., *see* Chen, J., *TVT Feb. 2020 2141-2156*
- Zhang, L., Ding, H., Shi, J., Huang, Y., Chen, H., Guo, K., and Li, Q., An Adaptive Backstepping Sliding Mode Controller to Improve Vehicle Maneuverability and Stability via Torque Vectoring Control; *TVT March 2020 2598-2612*
- Zhang, L., *see* Cao, Z., *TVT March 2020 2424-2436*
- Zhang, L., *see* Briso, C., *TVT March 2020 3439-3443*
- Zhang, L., *see* Zheng, J., *TVT April 2020 4537-4541*
- Zhang, L., Yan, L., Lin, B., Ding, H., Fang, Y., and Fang, X., Augmenting Transmission Environments for Better Communications: Tunable Reflector Assisted MmWave WLANs; *TVT July 2020 7416-7428*
- Zhang, L., *see* Zhu, Y., *TVT Aug. 2020 8317-8328*
- Zhang, L., *see* Liu, Z., *TVT Sept. 2020 9469-9482*
- Zhang, L., *see* Kuang, Z., *TVT Sept. 2020 9972-9983*
- Zhang, L., Wang, Y., Tao, W., Jia, Z., Song, T., and Pan, C., Intelligent Reflecting Surface Aided MIMO Cognitive Radio Systems; *TVT Oct. 2020 11445-11457*
- Zhang, L., *see* Ding, X., *TVT Nov. 2020 12797-12806*
- Zhang, L., *see* Qi, Q., *TVT Nov. 2020 13861-13874*
- Zhang, L., Zhang, H., Jiang, Y., and Wu, Z., Intelligent and Reliable Deep Learning LSTM Neural Networks-Based OFDM-DCSK Demodulation Design; *TVT Dec. 2020 16163-16167*
- Zhang, M., *see* Li, X., *TVT Feb. 2020 1867-1878*
- Zhang, M., *see* Li, B., *TVT March 2020 2376-2388*
- Zhang, M., *see* Li, R., *TVT April 2020 4006-4018*
- Zhang, M., Shi, S., Cheng, W., and Shen, Y., Self-Adaptive Hyper-Heuristic Markov Chain Evolution for Generating Vehicle Multi-Parameter Driving Cycles; *TVT June 2020 6041-6052*
- Zhang, M., *see* Shi, S., *TVT Aug. 2020 8221-8231*
- Zhang, N., *see* Li, J., *TVT March 2020 3267-3279*
- Zhang, N., *see* Wu, H., *TVT April 2020 3954-3967*
- Zhang, N., *see* Fu, S., *TVT April 2020 4367-4378*
- Zhang, N., *see* Wu, W., *TVT May 2020 5293-5306*
- Zhang, N., *see* Jiang, Q., *TVT Sept. 2020 9390-9401*
- Zhang, N., *see* Wu, H., *TVT Sept. 2020 10397*
- Zhang, N., *see* Wu, Y., *TVT Oct. 2020 10899-10913*
- Zhang, N., *see* Liu, P., *TVT Oct. 2020 10630-10641*
- Zhang, N., *see* Zhou, S., *TVT Oct. 2020 10710-10723*
- Zhang, P., *see* Guo, G., *TVT Jan. 2020 302-316*
- Zhang, P., *see* Tian, M., *TVT March 2020 2716-2730*
- Zhang, P., *see* Zhang, J., *TVT March 2020 2437-2448*

- Zhang, P., see Liu, H., *TVT April 2020 4221-4232*
- Zhang, P., see Yao, H., *TVT June 2020 6718-6730*
- Zhang, P., see Zhang, Z., *TVT June 2020 6264-6274*
- Zhang, P., see Wang, H., *TVT Sept. 2020 10155-10166*
- Zhang, P., see Shang, J., *TVT Nov. 2020 13148-13164*
- Zhang, P., see Gao, K., *TVT Dec. 2020 16142-16154*
- Zhang, P., Wang, C., Auja, G.S., Kumar, N., and Guizani, M., IoV Scenario: Implementation of a Bandwidth Aware Algorithm in Wireless Network Communication Mode; *TVT Dec. 2020 15774-15785*
- Zhang, Q., see He, S., *TVT Jan. 2020 488-496*
- Zhang, Q., see Jing, L., *TVT March 2020 3080-3092*
- Zhang, Q., Chen, J., Ji, L., Feng, Z., Han, Z., and Chen, Z., Response Delay Optimization in Mobile Edge Computing Enabled UAV Swarm; *TVT March 2020 3280-3295*
- Zhang, Q., see Xie, B., *TVT April 2020 4596-4600*
- Zhang, Q., Wu, K., and Shi, Y., Route Planning and Power Management for PHEVs With Reinforcement Learning; *TVT May 2020 4751-4762*
- Zhang, Q., see Yang, Z., *TVT May 2020 5426-5441*
- Zhang, Q., see Zhao, H., *TVT May 2020 4700-4710*
- Zhang, Q., see Pan, Y., *TVT June 2020 5995-6010*
- Zhang, Q., see Qu, S., *TVT July 2020 7762-7777*
- Zhang, Q., Hu, Y., and Niu, X., Required Lever Arm Accuracy of Non-Holonomic Constraint for Land Vehicle Navigation; *TVT Aug. 2020 8305-8316*
- Zhang, Q., see Zheng, J., *TVT Nov. 2020 13942-13946*
- Zhang, Q., see Liu, C., *TVT Dec. 2020 14341-14354*
- Zhang, R., see Huang, Z., *TVT Jan. 2020 4-15*
- Zhang, R., see Chen, W., *TVT Jan. 2020 1086-1090*
- Zhang, R., see Duo, B., *TVT April 2020 4590-4595*
- Zhang, R., see Li, B., *TVT Aug. 2020 8925-8937*
- Zhang, R., see Han, M., *TVT Aug. 2020 8764-8776*
- Zhang, R., see Pu, Q., *TVT Oct. 2020 10656-10667*
- Zhang, R., see Zhang, J., *TVT Dec. 2020 16178-16182*
- Zhang, R., see Duo, B., *TVT Dec. 2020 16288-16293*
- Zhang, R., see Xiao, Z., *TVT Dec. 2020 14537-14549*
- Zhang, R.H., see Kumar, A., *TVT Aug. 2020 8290-8304*
- Zhang, S., see Mohammed, A., *TVT Jan. 2020 685-699*
- Zhang, S., see Sun, R., *TVT Jan. 2020 636-650*
- Zhang, S., see Guo, J., *TVT Feb. 2020 2311-2315*
- Zhang, S., and Ansari, N., 3D Drone Base Station Placement and Resource Allocation With FSO-Based Backhaul in Hotspots; *TVT March 2020 3322-3329*
- Zhang, S., see Zhao, N., *TVT April 2020 3994-4005*
- Zhang, S., see Wen, K., *TVT April 2020 4340-4352*
- Zhang, S., see Xia, J., *TVT April 2020 4492-4497*
- Zhang, S., see Zhang, C., *TVT April 2020 3562-3574*
- Zhang, S., Zhang, H., and Song, L., Beyond D2D: Full Dimension UAV-to-Everything Communications in 6G; *TVT June 2020 6592-6602*
- Zhang, S., see Sun, R., *TVT Aug. 2020 8529-8541*
- Zhang, S., see Rodriguez-Cano, R., *TVT Aug. 2020 8132-8139*
- Zhang, S., see Wang, C., *TVT Aug. 2020 9234-9238*
- Zhang, S., see Shi, K., *TVT Sept. 2020 10380-10384*
- Zhang, S., Zhang, H., Di, B., Tan, Y., Han, Z., and Song, L., Beyond Intelligent Reflecting Surfaces: Reflective-Transmissive Metasurface Aided Communications for Full-Dimensional Coverage Extension; *TVT Nov. 2020 13905-13909*
- Zhang, S., see Zhang, H., *TVT Nov. 2020 14049-14054*
- Zhang, S., see Sun, J., *TVT Nov. 2020 12938-12950*
- Zhang, S., see Zhang, H., *TVT Dec. 2020 16191-16196*
- Zhang, S., see Guo, C., *TVT Dec. 2020 16276-16281*
- Zhang, S., Yin, B., Cheng, Y., Cai, L.X., Zhou, S., Niu, Z., and Shan, H., Energy-Efficient Massive MIMO With Decentralized Precoder Design; *TVT Dec. 2020 15370-15384*
- Zhang, T., see Wang, Y., *TVT Jan. 2020 1008-1022*
- Zhang, T., Han, G., Guizani, M., Yan, L., and Shu, L., Peak Extraction Passive Source Localization Using a Single Hydrophone in Shallow Water; *TVT March 2020 3412-3423*
- Zhang, T., see Xu, X., *TVT April 2020 3816-3827*
- Zhang, T., see Li, C., *TVT April 2020 4192-4206*
- Zhang, T., see Wang, Q., *TVT April 2020 4033-4041*
- Zhang, T., see Guo, N., *TVT May 2020 4935-4946*
- Zhang, T., see Han, G., *TVT Aug. 2020 8959-8971*
- Zhang, T., see Zhu, Y., *TVT Aug. 2020 8317-8328*
- Zhang, T., see Shi, Q., *TVT Sept. 2020 10009-10018*
- Zhang, T., Wang, Z., Liu, Y., Xu, W., and Nallanathan, A., Caching Placement and Resource Allocation for Cache-Enabling UAV NOMA Networks; *TVT Nov. 2020 12897-12911*
- Zhang, T., see Liu, C., *TVT Dec. 2020 14341-14354*
- Zhang, W., see Bai, L., *TVT Jan. 2020 497-508*
- Zhang, W., see Feng, Y., *TVT March 2020 3486-3490*
- Zhang, W., see Wei, S., *TVT March 2020 2449-2462*
- Zhang, W., Han, G., Wang, X., Guizani, M., Fan, K., and Shu, L., A Node Location Algorithm Based on Node Movement Prediction in Underwater Acoustic Sensor Networks; *TVT March 2020 3166-3178*
- Zhang, W., see Wang, Y., *TVT April 2020 4575-4579*
- Zhang, W., see Wen, K., *TVT April 2020 4340-4352*
- Zhang, W., see Liang, L., *TVT April 2020 3864-3878*
- Zhang, W., Kim, T., and Leung, S., A Sequential Subspace Method for Millimeter Wave MIMO Channel Estimation; *TVT May 2020 5355-5368*
- Zhang, W., see Wang, W., *TVT July 2020 7987-7991*
- Zhang, W., Wang, P., He, N., and He, Z., Super Resolution DOA Based on Relative Motion for FMCW Automotive Radar; *TVT Aug. 2020 8698-8709*
- Zhang, W., see Liu, B., *TVT Aug. 2020 8777-8791*
- Zhang, W., and Wu, J., UAV Beam Alignment for Highly Mobile Millimeter Wave Communications; *TVT Aug. 2020 8577-8585*
- Zhang, W., see Zhang, W., *TVT Aug. 2020 8577-8585*
- Zhang, W., see Meng, Y., *TVT Oct. 2020 11501-11514*
- Zhang, W., see Liu, P., *TVT Oct. 2020 11570-11583*
- Zhang, W., see Hu, J., *TVT Nov. 2020 12992-13004*
- Zhang, W., see Wang, W., *TVT Nov. 2020 13974-13978*
- Zhang, W., see Cong, X., *TVT Nov. 2020 12775-12785*
- Zhang, W., Wang, Z., Drugge, L., and Nybacka, M., Evaluating Model Predictive Path Following and Yaw Stability Controllers for Over-Actuated Autonomous Electric Vehicles; *TVT Nov. 2020 12807-12821*
- Zhang, X., Yang, Q., Ma, M., Lin, Z., and Yang, S., A Switched Reluctance Motor Torque Ripple Reduction Strategy With Deadbeat Current Control and Active Thermal Management; *TVT Jan. 2020 317-327*
- Zhang, X., see Liu, H., *TVT Feb. 2020 1363-1374*
- Zhang, X., see Liu, H., *TVT Feb. 2020 2286-2290*
- Zhang, X., see Du, H., *TVT Feb. 2020 1855-1866*
- Zhang, X., see Liu, X., *TVT Feb. 2020 1802-1812*
- Zhang, X., see Jiang, Z., *TVT Feb. 2020 2157-2170*
- Zhang, X., see Cao, Z., *TVT March 2020 2424-2436*
- Zhang, X., Zhang, J., Liu, Z., Cui, Q., Tao, X., and Wang, S., MDP-Based Task Offloading for Vehicular Edge Computing Under Certain and Uncertain Transition Probabilities; *TVT March 2020 3296-3309*
- Zhang, X., see Zhang, J., *TVT April 2020 3980-3993*
- Zhang, X., see Zheng, J., *TVT April 2020 4537-4541*
- Zhang, X., see Wang, S., *TVT May 2020 5203-5218*
- Zhang, X., see Guo, N., *TVT May 2020 4935-4946*
- Zhang, X., see Wang, X., *TVT May 2020 5570-5582*
- Zhang, X., Cao, Y., Peng, L., Ahmad, N., and Xu, L., Towards Efficient Battery Swapping Service Operation Under Battery Heterogeneity; *TVT June 2020 6107-6118*
- Zhang, X., see Han, Y., *TVT July 2020 7339-7353*
- Zhang, X., see Hu, J., *TVT July 2020 6943-6951*
- Zhang, X., see Wang, X., *TVT Aug. 2020 8613-8626*
- Zhang, X., and Duan, L., Energy-Saving Deployment Algorithms of UAV Swarm for Sustainable Wireless Coverage; *TVT Sept. 2020 10320-10335*
- Zhang, X., see Feng, W., *TVT Sept. 2020 9265-9278*
- Zhang, X., see Shi, K., *TVT Sept. 2020 10380-10384*
- Zhang, X., see Wang, X., *TVT Oct. 2020 12148-12161*
- Zhang, X., see Han, Y., *TVT Oct. 2020 11811-11827*
- Zhang, X., see Guo, D., *TVT Nov. 2020 13124-13138*

- Zhang, X.**, Zhao, Z., Cheng, Y., and Wang, Y., Robust Model Predictive Current Control Based on Inductance and Flux Linkage Extraction Algorithm; *TVT Dec. 2020 14893-14902*
- Zhang, X.Y.**, see Liu, G., *TVT Oct. 2020 11408-11418*
- Zhang, Y.**, see Fan, J., *TVT Jan. 2020 1111-1116*
- Zhang, Y.**, Zhang, H., Wang, G., Yang, J., and Hwang, J., Bundle Adjustment for Monocular Visual Odometry Based on Detections of Traffic Signs; *TVT Jan. 2020 151-162*
- Zhang, Y.**, see Wu, F., *TVT Jan. 2020 901-913*
- Zhang, Y.**, see Lago, L.A., *TVT Jan. 2020 405-417*
- Zhang, Y.**, Guo, L., Gao, B., Qu, T., and Chen, H., Deterministic Promotion Reinforcement Learning Applied to Longitudinal Velocity Control for Automated Vehicles; *TVT Jan. 2020 338-348*
- Zhang, Y.**, He, S., Li, S., and Chen, J., Intra-Operator Customer Churn in Telecommunications: A Systematic Perspective; *TVT Jan. 2020 948-957*
- Zhang, Y.**, see Jiang, L., *TVT Jan. 2020 828-841*
- Zhang, Y.**, see Zhang, J., *TVT Feb. 2020 2092-2104*
- Zhang, Y.**, see Rui, X., *TVT Feb. 2020 1440-1451*
- Zhang, Y.**, see Lu, Y., *TVT April 2020 4298-4311*
- Zhang, Y.**, Khajepour, A., and Ataci, M., A Universal and Reconfigurable Stability Control Methodology for Articulated Vehicles With Any Configurations; *TVT April 2020 3748-3759*
- Zhang, Y.**, see Dai, Y., *TVT April 2020 4312-4324*
- Zhang, Y.**, Di, B., Wang, P., Lin, J., and Song, L., HetMEC: Heterogeneous Multi-Layer Mobile Edge Computing in the 6 G Era; *TVT April 2020 4388-4400*
- Zhang, Y.**, see Liu, H., *TVT April 2020 4221-4232*
- Zhang, Y.**, see Lu, K., *TVT May 2020 4689-4699*
- Zhang, Y.**, Zhu, D., Wang, P., Zhang, G., and Leung, H., Vision-Based Vehicle Detection for VideoSAR Surveillance Using Low-Rank Plus Sparse Three-Term Decomposition; *TVT May 2020 4711-4726*
- Zhang, Y.**, see Zheng, J., *TVT June 2020 6603-6618*
- Zhang, Y.**, see Fu, Y., *TVT June 2020 5876-5888*
- Zhang, Y.**, Yuan, Z., Guo, Q., Wang, Z., Xi, J., and Li, Y., Bayesian Receiver Design for Grant-Free NOMA With Message Passing Based Structured Signal Estimation; *TVT Aug. 2020 8643-8656*
- Zhang, Y.**, see Ren, J., *TVT Aug. 2020 8900-8913*
- Zhang, Y.**, see Li, Q., *TVT Aug. 2020 9244-9248*
- Zhang, Y.**, see Song, T., *TVT Sept. 2020 9634-9642*
- Zhang, Y.**, see Hong, L., *TVT Sept. 2020 10177-10187*
- Zhang, Y.**, Mou, Z., Gao, F., Jiang, J., Ding, R., and Han, Z., UAV-Enabled Secure Communications by Multi-Agent Deep Reinforcement Learning; *TVT Oct. 2020 11599-11611*
- Zhang, Y.**, see Sun, W., *TVT Oct. 2020 12240-12251*
- Zhang, Y.**, see Lan, L., *TVT Oct. 2020 11584-11598*
- Zhang, Y.**, Wu, Q., and Shikh-Bahaei, M., A Pointer Network Based Deep Learning Algorithm for User Pairing in Full-Duplex Wi-Fi Networks; *TVT Oct. 2020 12363-12368*
- Zhang, Y.**, see Dai, Y., *TVT Oct. 2020 12175-12186*
- Zhang, Y.**, see Liu, Y., *TVT Oct. 2020 12229-12239*
- Zhang, Y.**, Zhang, J., Huo, Y., Xu, C., El-Hajjar, M., and Hanzo, L., Scalable Panoramic Wireless Video Streaming Relying on Optimal-Rate FEC-Coded Adaptive QAM; *TVT Oct. 2020 11206-11219*
- Zhang, Y.**, Du, J., Chen, Y., Li, X., Rabie, K.M., and Khkrel, R., Dual-Iterative Hybrid Beamforming Design for Millimeter-Wave Massive Multi-User MIMO Systems With Sub-Connected Structure; *TVT Nov. 2020 13482-13496*
- Zhang, Y.**, see Sun, H., *TVT Nov. 2020 13741-13755*
- Zhang, Y.**, Huo, Y., Wang, D., Dong, X., and You, X., Channel Estimation and Hybrid Precoding for Distributed Phased Arrays Based MIMO Wireless Communications; *TVT Nov. 2020 12921-12937*
- Zhang, Y.**, see Ma, Y., *TVT Nov. 2020 13812-13820*
- Zhang, Y.**, see Wu, X., *TVT Nov. 2020 12763-12774*
- Zhang, Y.**, Xu, C., Hemadeh, I.A., El-Hajjar, M., and Hanzo, L., Near-Instantaneously Adaptive Multi-Set Space-Time Shift Keying for UAV-Aided Video Surveillance; *TVT Nov. 2020 12843-12856*
- Zhang, Y.**, Xiao, M., Han, S., Skoglund, M., and Meng, W., Power Scaling of Full-Duplex Two-Way Millimeter-Wave Relay With Massive MIMO; *TVT Dec. 2020 15298-15313*
- Zhang, Y.**, see Liu, C., *TVT Dec. 2020 14341-14354*
- Zhang, Y.**, see Xue, Q., *TVT Dec. 2020 14765-14779*
- Zhang, Y.**, see Liu, Y., *TVT Dec. 2020 15720-15730*
- Zhang, Y.**, Zhang, J., Xu, C., El-Hajjar, M., and Hanzo, L., Optimal-Power Superposition Modulation for Scalable Video Broadcasting; *TVT Dec. 2020 16230-16234*
- Zhang, Y.**, see Xie, Y., *TVT Dec. 2020 14657-14673*
- Zhang, Y.**, see Jiang, L., *TVT Dec. 2020 15828-15841*
- Zhang, Z.**, see Rahim, M.A., *TVT Jan. 2020 163-171*
- Zhang, Z.**, see Xiao, H., *TVT Jan. 2020 1101-1105*
- Zhang, Z.**, see Zhang, C., *TVT Feb. 2020 1245-1256*
- Zhang, Z.**, see Zhou, H., *TVT Feb. 2020 1257-1266*
- Zhang, Z.**, see Wen, F., *TVT Feb. 2020 1626-1638*
- Zhang, Z.**, see Du, C., *TVT March 2020 3119-3134*
- Zhang, Z.**, see Lu, J., *TVT March 2020 3190-3201*
- Zhang, Z.**, see Shen, Y., *TVT April 2020 3575-3589*
- Zhang, Z.**, see Zhang, C., *TVT April 2020 3562-3574*
- Zhang, Z.**, see Ren, Y., *TVT May 2020 5657-5660*
- Zhang, Z.**, see Zhang, C., *TVT May 2020 4663-4676*
- Zhang, Z.**, see Wu, R., *TVT June 2020 6473-6484*
- Zhang, Z.**, see Zhou, H., *TVT June 2020 6777-6781*
- Zhang, Z.**, see Wu, L., *TVT June 2020 6803-6807*
- Zhang, Z.**, see Xu, M., *TVT June 2020 6771-6776*
- Zhang, Z.**, Lu, Y., Huang, Y., and Zhang, P., Neural Network-Based Relay Selection in Two-Way SWIPT-Enabled Cognitive Radio Networks; *TVT June 2020 6264-6274*
- Zhang, Z.**, Lung, C., St-Hilaire, M., and Lambadaris, I., Smart Proactive Caching: Empower the Video Delivery for Autonomous Vehicles in ICN-Based Networks; *TVT July 2020 7955-7965*
- Zhang, Z.**, see Li, P., *TVT July 2020 7998-8002*
- Zhang, Z.**, see Wang, C., *TVT Sept. 2020 9624-9633*
- Zhang, Z.**, see Qiu, B., *TVT Oct. 2020 11028-11041*
- Zhang, Z.**, see Yin, F., *TVT Oct. 2020 12058-12071*
- Zhang, Z.**, Li, H., Dong, Y., Wang, X., and Dai, X., Decentralized Signal Detection via Expectation Propagation Algorithm for Uplink Massive MIMO Systems; *TVT Oct. 2020 11233-11240*
- Zhang, Z.**, see Zhang, C., *TVT Nov. 2020 13005-13017*
- Zhang, Z.**, Luo, H., Wang, C., Gan, C., and Xiang, Y., Automatic Modulation Classification Using CNN-LSTM Based Dual-Stream Structure; *TVT Nov. 2020 13521-13531*
- Zhang, Z.**, see Sun, Q., *TVT Nov. 2020 13289-13304*
- Zhang, Z.**, see Du, C., *TVT Dec. 2020 15880-15892*
- Zhang, Z.**, see Lin, Y., *TVT Dec. 2020 16027-16043*
- Zhao, B.**, Ren, G., Dong, X., and Zhang, H., Spatial Group Based Optimal Uplink Power Control for Random Access in Satellite Networks; *TVT July 2020 7354-7365*
- Zhao, B.**, Xu, N., Chen, H., Guo, K., and Huang, Y., Design and Experimental Evaluations on Energy-Efficient Control for 4WIMD-EVs Considering Tire Slip Energy; *TVT Dec. 2020 14631-14644*
- Zhao, C.**, see Fan, C., *TVT Jan. 2020 1060-1064*
- Zhao, C.**, see Ma, M., *TVT Oct. 2020 10797-10808*
- Zhao, D.**, see Gui, G., *TVT Jan. 2020 140-150*
- Zhao, D.**, see Wang, H., *TVT Feb. 2020 2219-2229*
- Zhao, D.**, see Zhu, Y., *TVT April 2020 3615-3627*
- Zhao, D.**, see Lan, J., *TVT Nov. 2020 12570-12584*
- Zhao, D.**, see Mu, S., *TVT Dec. 2020 15746-15759*
- Zhao, F.**, Zeng, G., and Lu, K., EnLSTM-WPEO: Short-Term Traffic Flow Prediction by Ensemble LSTM, NNCT Weight Integration, and Population Extremal Optimization; *TVT Jan. 2020 101-113*
- Zhao, F.**, see Ding, H., *TVT April 2020 4119-4129*
- Zhao, G.**, see Xu, C., *TVT Oct. 2020 11771-11785*
- Zhao, H.**, see Guo, W., *TVT Jan. 2020 457-470*
- Zhao, H.**, see Du, H., *TVT Feb. 2020 1855-1866*

- Zhao, H.**, Dai, X., Zhang, Q., and Ding, J., Robust Event-Triggered Model Predictive Control for Multiple High-Speed Trains With Switching Topologies; *TVT May 2020 4700-4710*
- Zhao, H.**, see Liu, C., *TVT Nov. 2020 13087-13097*
- Zhao, J.**, Shen, F., and Joung, J., Throughput Maximization With Rate-Dependent Power Consumption in Battery-Limited Multiuser Networks; *TVT Jan. 2020 1141-1146*
- Zhao, J.**, see Liang, Z., *TVT April 2020 3805-3815*
- Zhao, J.**, see Zhu, B., *TVT Oct. 2020 10842-10853*
- Zhao, K.**, see Rodriguez-Cano, R., *TVT Aug. 2020 8132-8139*
- Zhao, K.**, see Zhou, Y., *TVT Dec. 2020 16126-16141*
- Zhao, L.**, see Yang, H., *TVT Jan. 2020 1023-1036*
- Zhao, L.**, see Zhou, G., *TVT Jan. 2020 1163-1167*
- Zhao, L.**, see Fu, S., *TVT March 2020 3256-3266*
- Zhao, L.**, see Li, M., *TVT March 2020 3424-3438*
- Zhao, L.**, see Li, W., *TVT April 2020 3550-3561*
- Zhao, L.**, see Fu, S., *TVT April 2020 4367-4378*
- Zhao, L.**, see Sultana, A., *TVT May 2020 5343-5354*
- Zhao, L.**, see Kuang, Z., *TVT Sept. 2020 9972-9983*
- Zhao, L.**, see Zhao, Q., *TVT Sept. 2020 10278-10290*
- Zhao, L.**, see Guo, C., *TVT Oct. 2020 12301-12305*
- Zhao, L.**, see Han, L., *TVT Oct. 2020 11950-11962*
- Zhao, L.**, see Zhou, G., *TVT Nov. 2020 14116-14121*
- Zhao, L.**, see Wang, F., *TVT Nov. 2020 12609-12620*
- Zhao, M.**, see Chen, X., *TVT Feb. 2020 2246-2262*
- Zhao, M.**, see Li, X., *TVT Oct. 2020 12286-12290*
- Zhao, N.**, see Mohammed, A., *TVT Jan. 2020 685-699*
- Zhao, N.**, see Guo, J., *TVT Feb. 2020 2311-2315*
- Zhao, N.**, see Qin, M., *TVT Feb. 2020 1582-1594*
- Zhao, N.**, see Wang, B., *TVT March 2020 3505-3509*
- Zhao, N.**, see Chen, B., *TVT March 2020 3470-3475*
- Zhao, N.**, Li, Y., Zhang, S., Chen, Y., Lu, W., Wang, J., and Wang, X., Security Enhancement for NOMA-UAV Networks; *TVT April 2020 3994-4005*
- Zhao, N.**, see Wang, B., *TVT April 2020 4412-4425*
- Zhao, N.**, see Si, Q., *TVT May 2020 5683-5687*
- Zhao, N.**, see Cao, Y., *TVT July 2020 8008-8012*
- Zhao, N.**, see Li, X., *TVT Sept. 2020 9921-9937*
- Zhao, N.**, see Chen, X., *TVT Sept. 2020 10033-10045*
- Zhao, N.**, see Feng, W., *TVT Sept. 2020 9265-9278*
- Zhao, P.**, Ma, K., Wang, Z., and Chen, S., Virtual Angular-Domain Channel Estimation for FDD Based Massive MIMO Systems With Partial Orthogonal Pilot Design; *TVT May 2020 5164-5178*
- Zhao, P.**, Liu, W., Zhang, G., Li, Z., and Wang, L., Preserving Privacy in WiFi Localization With Plausible Dummy Locations; *TVT Oct. 2020 11909-11925*
- Zhao, P.**, see Lin, J., *TVT Nov. 2020 12635-12651*
- Zhao, Q.**, Feng, L., Zhao, L., Li, Z., and Liang, Y., SatOpt Partition: Dividing Throughput-Stability Region for IEEE 802.11 DCF Networks; *TVT Sept. 2020 10278-10290*
- Zhao, R.**, see Yao, P., *TVT Sept. 2020 9518-9527*
- Zhao, S.**, see Chen, W., *TVT Jan. 2020 1086-1090*
- Zhao, S.**, see Xia, X., *TVT Aug. 2020 8080-8096*
- Zhao, S.**, Yan, S., and Xi, J., Adaptive Turbo Equalization for Differential OFDM Systems in Underwater Acoustic Communications; *TVT Nov. 2020 13937-13941*
- Zhao, S.**, see Zhu, Y., *TVT Dec. 2020 15920-15932*
- Zhao, T.**, Li, F., and Tian, P., A Deep-Learning Method for Device Activity Detection in mMTC Under Imperfect CSI Based on Variational-Autoencoder; *TVT July 2020 7981-7986*
- Zhao, W.**, see Bian, F., *TVT March 2020 2588-2597*
- Zhao, W.**, see Xu, L., *TVT July 2020 7104-7115*
- Zhao, W.**, see Luan, Z., *TVT Aug. 2020 8140-8150*
- Zhao, W.**, see Sun, Y., *TVT Sept. 2020 9601-9612*
- Zhao, W.**, see Xu, C., *TVT Nov. 2020 12621-12634*
- Zhao, W.**, see Lin, J., *TVT Nov. 2020 12635-12651*
- Zhao, X.**, see Kou, L., *TVT March 2020 2513-2524*
- Zhao, X.**, see Liang, H., *TVT June 2020 6401-6414*
- Zhao, X.**, see Mu, X., *TVT July 2020 7622-7633*
- Zhao, X.**, see Xu, C., *TVT Dec. 2020 16001-16016*
- Zhao, Y.**, see Yin, S., *TVT Feb. 2020 1554-1567*
- Zhao, Y.**, see Lu, X., *TVT March 2020 3068-3079*
- Zhao, Y.**, see Wang, J., *TVT May 2020 5416-5425*
- Zhao, Y.**, see Zhu, H., *TVT Aug. 2020 8725-8738*
- Zhao, Y.**, see Wang, Q., *TVT Oct. 2020 10809-10819*
- Zhao, Y.**, see Wang, H., *TVT Oct. 2020 10484-10493*
- Zhao, Y.**, see Ren, H., *TVT Oct. 2020 10619-10629*
- Zhao, Y.**, Hu, J., Yang, K., and Cui, S., Deep Reinforcement Learning Aided Intelligent Access Control in Energy Harvesting Based WLAN; *TVT Nov. 2020 14078-14082*
- Zhao, Y.**, see Wen, S., *TVT Dec. 2020 16057-16066*
- Zhao, Z.**, see Li, M., *TVT May 2020 4883-4893*
- Zhao, Z.**, see Feng, B., *TVT Sept. 2020 10115-10126*
- Zhao, Z.**, see Wang, W., *TVT Sept. 2020 10000-10008*
- Zhao, Z.**, see Zhang, X., *TVT Dec. 2020 14893-14902*
- Zhe, T.**, Huang, L., Wu, Q., Zhang, J., Pei, C., and Li, L., Inter-Vehicle Distance Estimation Method Based on Monocular Vision Using 3D Detection; *TVT May 2020 4907-4919*
- Zheng, B.**, see Shan, Y., *TVT Oct. 2020 10581-10595*
- Zheng, C.**, see He, D., *TVT Nov. 2020 12408-12417*
- Zheng, F.**, see Jiang, Y., *TVT May 2020 5219-5231*
- Zheng, F.**, see Wen, W., *TVT July 2020 7879-7894*
- Zheng, F.**, see Yang, L., *TVT Sept. 2020 10140-10154*
- Zheng, G.**, see Zhou, G., *TVT Jan. 2020 1163-1167*
- Zheng, G.**, see Guo, K., *TVT May 2020 5129-5141*
- Zheng, G.**, see Zhou, G., *TVT Nov. 2020 14116-14121*
- Zheng, G.**, see Zhang, J., *TVT Dec. 2020 16178-16182*
- Zheng, G.**, see Xu, C., *TVT Dec. 2020 16001-16016*
- Zheng, H.**, see Zhou, J., *TVT Feb. 2020 1291-1308*
- Zheng, H.**, see Xiong, F., *TVT Aug. 2020 9002-9016*
- Zheng, H.**, see Wu, P., *TVT Sept. 2020 9342-9355*
- Zheng, J.**, Zhang, J., Zhang, L., Zhang, X., and Ai, B., Efficient Receiver Design for Uplink Cell-Free Massive MIMO With Hardware Impairments; *TVT April 2020 4537-4541*
- Zheng, J.**, see Wu, Y., *TVT April 2020 3538-3549*
- Zheng, J.**, Xiao, J., Ren, Q., and Zhang, Y., Performance Modeling of an LTE LAA and WiFi Coexistence System Using the LAA Category-4 LBT Procedure and 802.11e EDCA Mechanism; *TVT June 2020 6603-6618*
- Zheng, J.**, see Wu, Y., *TVT June 2020 6619-6630*
- Zheng, J.**, see Sun, Y., *TVT Sept. 2020 9601-9612*
- Zheng, J.**, see Zhang, J., *TVT Sept. 2020 9589-9600*
- Zheng, J.**, Zhang, Q., and Qin, J., Outage Probabilities of Cache and SIC Enabled Downlink MIMO NOMA Cellular Networks With Randomly Distributed Users; *TVT Nov. 2020 13942-13946*
- Zheng, K.**, see Yang, H., *TVT Jan. 2020 1023-1036*
- Zheng, K.**, see Chen, Z., *TVT July 2020 7692-7706*
- Zheng, K.**, Liu, X., Zhu, Y., Chi, K., and Li, Y., Impact of Battery Charging on Spectrum Sensing of CRN With Energy Harvesting; *TVT July 2020 7545-7557*
- Zheng, K.**, see Han, L., *TVT Oct. 2020 11950-11962*
- Zheng, L.**, Chen, Q., Yan, Q., and Tang, X., Decentralized Coded Caching Scheme With Heterogeneous File Sizes; *TVT Jan. 2020 818-827*
- Zheng, X.**, see Xia, Y., *TVT Nov. 2020 12664-12678*
- Zheng, X.**, Cao, R., Gao, H., and Lu, Y., Guaranteeing Information Transfer Integrity Through Two Non-Colluding Malicious Nodes Against i.i.d. Attacks; *TVT Nov. 2020 14099-14103*
- Zheng, Y.**, see Sheng, M., *TVT Jan. 2020 509-521*
- Zheng, Y.**, see Wang, W., *TVT Sept. 2020 10000-10008*
- Zheng, Z.**, see Wu, Z., *TVT April 2020 4417-4425*
- Zheng, Z.**, Pan, J., and Cai, L., Lightweight Blockchain Consensus Protocols for Vehicular Social Networks; *TVT June 2020 5736-5748*
- Zheng, Z.**, see Yu, H., *TVT Oct. 2020 10975-10987*
- Zheng, Z.**, see Wu, Z., *TVT Oct. 2020 12216-12228*
- Zhong, H.**, see Zhang, J., *TVT July 2020 7940-7954*
- Zhong, H.**, see Cui, J., *TVT Aug. 2020 8914-8924*
- Zhong, L.**, see Gao, K., *TVT Dec. 2020 16142-16154*

- Zhong, S.**, *see* Xiang, L., *TVT Nov. 2020 12449-12458*
- Zhong, X.**, Guo, Y., Li, N., and Li, S., Joint Relay Assignment and Channel Allocation for Opportunistic UAVs-Aided Dynamic Networks: A Mood-Driven Approach; *TVT Dec. 2020 15019-15034*
- Zhong, Z.**, *see* Huang, C., *TVT Jan. 2020 1041-1045*
- Zhong, Z.**, *see* Ma, Z., *TVT Feb. 2020 1214-1226*
- Zhong, Z.**, Yang, Z., Fang, X., Lin, F., and Tian, Z., Hierarchical Optimization of an On-Board Supercapacitor Energy Storage System Considering Train Electric Braking Characteristics and System Loss; *TVT March 2020 2576-2587*
- Zhong, Z.**, *see* Jiang, R., *TVT July 2020 7264-7280*
- Zhong, Z.**, *see* Chen, Y., *TVT Sept. 2020 9736-9749*
- Zhong, Z.**, *see* Gu, Q., *TVT Sept. 2020 10348-10361*
- Zhong, Z.**, *see* He, D., *TVT Nov. 2020 12408-12417*
- Zhong, Z.**, *see* Ma, Z., *TVT Nov. 2020 12418-12431*
- Zhong, Z.**, *see* Wang, Y., *TVT Nov. 2020 13836-13848*
- Zhong, Z.**, *see* Mu, S., *TVT Dec. 2020 15746-15759*
- Zhou, B.**, *see* Xue, W., *TVT Nov. 2020 13196-13205*
- Zhou, C.**, *see* Li, H., *TVT Sept. 2020 10214-10226*
- Zhou, D.**, *see* Du, P., *TVT Oct. 2020 12162-12174*
- Zhou, F.**, *see* Zhou, Y., *TVT Jan. 2020 1168-1172*
- Zhou, F.**, *see* Zhang, J., *TVT Feb. 2020 2114-2125*
- Zhou, F.**, *see* Li, X., *TVT Feb. 2020 1867-1878*
- Zhou, G.**, Zhao, L., Liang, K., Zheng, G., and Hanzo, L., Utility Analysis of Radio Access Network Slicing; *TVT Jan. 2020 1163-1167*
- Zhou, G.**, Zhao, L., Wang, Y., Zheng, G., and Hanzo, L., Energy Efficiency and Delay Optimization for Edge Caching Aided Video Streaming; *TVT Nov. 2020 14116-14121*
- Zhou, H.**, *see* Sun, R., *TVT Jan. 2020 636-650*
- Zhou, H.**, Song, W., Gross, W.J., Zhang, Z., You, X., and Zhang, C., An Efficient Software Stack Sphere Decoder for Polar Codes; *TVT Feb. 2020 1257-1266*
- Zhou, H.**, J. Gross, W., Zhang, Z., You, X., and Zhang, C., Efficient Sphere Polar Decoding via Synchronous Determination; *TVT June 2020 6777-6781*
- Zhou, H.**, *see* Qian, B., *TVT June 2020 6374-6387*
- Zhou, H.**, *see* Wu, J., *TVT Aug. 2020 8343-8355*
- Zhou, H.**, *see* Yuan, Q., *TVT Aug. 2020 9041-9052*
- Zhou, H.**, *see* Deng, Q., *TVT Oct. 2020 10889-10898*
- Zhou, H.**, Zhu, A., Deng, Q., Chen, J., Yang, F., and Hu, W., Protection Strategy for Wireless Charging Electrical Vehicles; *TVT Nov. 2020 13510-13520*
- Zhou, H.**, *see* Wang, Z., *TVT Dec. 2020 15357-15369*
- Zhou, J.**, Zheng, H., Wang, J., Wang, Y., Zhang, B., and Shao, Q., Multiobjective Optimization of Lane-Changing Strategy for Intelligent Vehicles in Complex Driving Environments; *TVT Feb. 2020 1291-1308*
- Zhou, J.**, *see* Yan, X., *TVT Feb. 2020 2021-2033*
- Zhou, J.**, Sun, Y., Cao, Q., Li, S., Sun, Z., and Wang, X., Power Minimization for Secure Multi-User MISO NOMA System With Energy Harvesting; *TVT Sept. 2020 10046-10058*
- Zhou, J.**, *see* Chen, D., *TVT Oct. 2020 10642-10655*
- Zhou, J.**, *see* Xu, C., *TVT Nov. 2020 12621-12634*
- Zhou, K.**, *see* Chen, H., *TVT Dec. 2020 15500-15517*
- Zhou, L.**, *see* Zhang, J., *TVT Feb. 2020 2114-2125*
- Zhou, L.**, *see* Liu, X., *TVT Feb. 2020 1802-1812*
- Zhou, L.**, Min, W., Lin, D., Han, Q., and Liu, R., Detecting Motion Blurred Vehicle Logo in IoV Using Filter-DeblurGAN and VL-YOLO; *TVT April 2020 3604-3614*
- Zhou, L.**, Feng, W., Wang, D., and Shi, Y., A Compact Millimeter-Wave Frequency Conversion SOP (System on Package) Module Based on LTCC Technology; *TVT June 2020 5923-5932*
- Zhou, L.**, *see* Chen, B., *TVT June 2020 5813-5825*
- Zhou, L.**, *see* Agrawal, B., *TVT June 2020 6094-6106*
- Zhou, M.**, *see* Cheng, J., *TVT April 2020 4246-4256*
- Zhou, M.**, *see* Wu, X., *TVT Nov. 2020 12763-12774*
- Zhou, P.**, *see* Wu, T., *TVT Aug. 2020 8243-8256*
- Zhou, P.**, *see* Wang, X., *TVT Sept. 2020 9497-9508*
- Zhou, P.**, Braud, T., Zavodovski, A., Liu, Z., Chen, X., Hui, P., and Kangasharju, J., Edge-Facilitated Augmented Vision in Vehicle-to-Everything Networks; *TVT Oct. 2020 12187-12201*
- Zhou, P.**, *see* Wang, X., *TVT Oct. 2020 12148-12161*
- Zhou, Q.**, *see* Liu, X., *TVT Dec. 2020 16173-16177*
- Zhou, Q.**, *see* Yang, H., *TVT Dec. 2020 14494-14509*
- Zhou, S.**, *see* Wang, L., *TVT April 2020 4194-4206*
- Zhou, S.**, *see* Zeng, F., *TVT July 2020 7634-7647*
- Zhou, S.**, Walker, P.D., Xiao, B., and Zhang, N., Modelling and Vibration Analysis of a Parallel Hydraulic Hybrid Vehicle; *TVT Oct. 2020 10710-10723*
- Zhou, S.**, *see* Zhang, S., *TVT Dec. 2020 15370-15384*
- Zhou, T.**, *see* Qin, D., *TVT Feb. 2020 2274-2279*
- Zhou, T.**, Wang, Y., Wang, C., Salous, S., Liu, L., and Tao, C., Multi-Feature Fusion Based Recognition and Relevance Analysis of Propagation Scenes for High-Speed Railway Channels; *TVT Aug. 2020 8107-8118*
- Zhou, W.**, *see* Horng, S., *TVT Dec. 2020 15933-15946*
- Zhou, W.**, Wang, Y., Ahn, C.K., Cheng, J., and Chen, C., Adaptive Fuzzy Backstepping-Based Formation Control of Unmanned Surface Vehicles With Unknown Model Nonlinearity and Actuator Saturation; *TVT Dec. 2020 14749-14764*
- Zhou, X.**, *see* Liu, H., *TVT Jan. 2020 971-982*
- Zhou, X.**, *see* Lu, J., *TVT Sept. 2020 10090-10102*
- Zhou, X.**, *see* Wang, Y., *TVT Dec. 2020 16309-16313*
- Zhou, Y.**, Zhou, F., Wu, Y., Hu, R.Q., and Wang, Y., Subcarrier Assignment Schemes Based on Q-Learning in Wideband Cognitive Radio Networks; *TVT Jan. 2020 1168-1172*
- Zhou, Y.**, *see* Cheng, K., *TVT July 2020 7116-7130*
- Zhou, Y.**, *see* Gui, L., *TVT Aug. 2020 8949-8958*
- Zhou, Y.**, *see* Jiang, S., *TVT Sept. 2020 10252-10263*
- Zhou, Y.**, *see* Sun, Q., *TVT Nov. 2020 13289-13304*
- Zhou, Y.**, Wang, R., Zhao, K., and Burleigh, S.C., A Study of Cross-Layer BP/LTP Data Block Size in Space Vehicle Communications Over Lossy and Highly Asymmetric Channels; *TVT Dec. 2020 16126-16141*
- Zhou, Z.**, *see* Gui, G., *TVT Jan. 2020 140-150*
- Zhou, Z.**, *see* Anand, K., *TVT Feb. 2020 1679-1694*
- Zhou, Z.**, *see* Gui, G., *TVT May 2020 4817-4826*
- Zhou, Z.**, *see* Han, G., *TVT Aug. 2020 8959-8971*
- Zhou, Z.**, *see* Wang, Y., *TVT Aug. 2020 8176-8191*
- Zhu, A.**, *see* Zhou, H., *TVT Nov. 2020 13510-13520*
- Zhu, B.**, Tao, X., Zhao, J., Ke, M., Wang, H., and Deng, W., An Integrated GNSS/UWB/DR/VMM Positioning Strategy for Intelligent Vehicles; *TVT Oct. 2020 10842-10853*
- Zhu, C.**, *see* Guo, X., *TVT Jan. 2020 428-442*
- Zhu, C.**, *see* Tang, C., *TVT Sept. 2020 9364-9375*
- Zhu, D.**, *see* Zhang, Y., *TVT May 2020 4711-4726*
- Zhu, D.**, *see* Chen, M., *TVT Dec. 2020 14401-14412*
- Zhu, F.**, *see* Huang, S., *TVT July 2020 7483-7492*
- Zhu, G.**, *see* Li, S., *TVT March 2020 3384-3398*
- Zhu, G.**, *see* Xu, Y., *TVT Oct. 2020 12312-12316*
- Zhu, H.**, *see* Wang, Y., *TVT Jan. 2020 1008-1022*
- Zhu, H.**, *see* Liu, F., *TVT March 2020 2928-2942*
- Zhu, H.**, Cao, Z., Zhao, Y., and Li, D., Learning to Denoise and Decode: A Novel Residual Neural Network Decoder for Polar Codes; *TVT Aug. 2020 8725-8738*
- Zhu, H.**, *see* Zhang, C., *TVT Oct. 2020 11828-11840*
- Zhu, H.**, *see* Mahbas, A., *TVT Dec. 2020 15706-15719*
- Zhu, H.**, *see* Liu, B., *TVT Dec. 2020 15005-15018*
- Zhu, H.**, *see* Ali, W., *TVT Dec. 2020 15427-15441*
- Zhu, J.**, Wang, J., Huang, Y., Navaie, K., Ding, Z., and Yang, L., On Optimal Beamforming Design for Downlink MISO NOMA Systems; *TVT March 2020 3008-3020*
- Zhu, J.**, *see* Jiang, Y., *TVT March 2020 3021-3033*
- Zhu, J.**, *see* Yan, P., *TVT May 2020 5115-5128*
- Zhu, J.**, *see* Sun, X., *TVT May 2020 4968-4978*
- Zhu, J.**, *see* Gao, S., *TVT June 2020 5784-5798*
- Zhu, J.**, *see* Zou, J., *TVT July 2020 7092-7103*
- Zhu, J.**, *see* Xue, W., *TVT Nov. 2020 13196-13205*
- Zhu, K.**, *see* Kang, W., *TVT Oct. 2020 11470-11478*
- Zhu, L.**, *see* Rahim, M.A., *TVT Jan. 2020 163-171*
- Zhu, L.**, *see* Wang, S., *TVT Jan. 2020 1131-1135*

- Zhu, L., see Zhang, C., *TVT June 2020 6578-6591*
- Zhu, L., see Shen, M., *TVT June 2020 5773-5783*
- Zhu, L., see Feng, J., *TVT July 2020 7863-7878*
- Zhu, L., see Zhang, C., *TVT Sept. 2020 10336-10347*
- Zhu, P., see Xia, X., *TVT July 2020 7569-7582*
- Zhu, P., see Xu, B., *TVT Oct. 2020 11128-11138*
- Zhu, Q., see Zhan, W., *TVT March 2020 3341-3356*
- Zhu, Q., see Yao, P., *TVT Sept. 2020 9518-9527*
- Zhu, Q., see Cui, G., *TVT Oct. 2020 12348-12353*
- Zhu, S., see Ma, F., *TVT Aug. 2020 8207-8220*
- Zhu, S., see Fang, Y., *TVT Sept. 2020 10059-10069*
- Zhu, S., see Lyu, L., *TVT Oct. 2020 12264-12276*
- Zhu, T., see Wang, X., *TVT April 2020 3916-3928*
- Zhu, T., see Pan, Y., *TVT June 2020 5995-6010*
- Zhu, W., see Wu, X., *TVT Aug. 2020 9135-9139*
- Zhu, W., see Guo, K., *TVT Aug. 2020 9053-9067*
- Zhu, W., see Kusaladharma, S., *TVT Nov. 2020 13357-13370*
- Zhu, X., see Jiang, J., *TVT Aug. 2020 9031-9040*
- Zhu, X., see Pu, Q., *TVT Oct. 2020 10656-10667*
- Zhu, Y., Zhao, D., and He, H., Synthesis of Cooperative Adaptive Cruise Control With Feedforward Strategies; *TVT April 2020 3615-3627*
- Zhu, Y., see Zheng, K., *TVT July 2020 7545-7557*
- Zhu, Y., Zhang, T., Xu, S., Shin, H., Li, P., Jin, B., Zhang, L., Weng, C., and Li, Y., A Calibration Method of USBL Installation Error Based on Attitude Determination; *TVT Aug. 2020 8317-8328*
- Zhu, Y., Yan, F., Zhao, S., Shen, F., Xing, S., and Shen, L., Incentive Mechanism for Cooperative Localization in Wireless Networks; *TVT Dec. 2020 15920-15932*
- Zhu, Z., see Gu, Z., *TVT Aug. 2020 9068-9082*
- Zhu, Z., see Wang, J., *TVT Dec. 2020 14818-14833*
- Zhuang, W., see Lu, X., *TVT March 2020 3068-3079*
- Zhuang, W., see Hong, C., *TVT Dec. 2020 15893-15907*
- Zhuang, Y., Li, X., Ji, H., Zhang, H., and Leung, V.C.M., Optimal Resource Allocation for RF-Powered Underlay Cognitive Radio Networks With Ambient Backscatter Communication; *TVT Dec. 2020 15216-15228*
- Zhuang, Z., see Lu, J., *TVT Sept. 2020 10090-10102*
- Zhuang, Z., see Qi, Q., *TVT Nov. 2020 13861-13874*
- Zhuang, Z., see Wang, Y., *TVT Dec. 2020 16309-16313*
- Zima, E., see Wang, L., *TVT March 2020 2411-2423*
- Zomaya, A.Y., see Alsarhan, A., *TVT Feb. 2020 1568-1581*
- Zomaya, A.Y., see Pathak, N., *TVT June 2020 6731-6738*
- Zong, B., see Zhang, H., *TVT Sept. 2020 9795-9806*
- Zou, J., see Xu, W., *TVT Jan. 2020 131-139*
- Zou, J., Xu, W., Zhu, J., and Liu, Y., Simplified Model Predictive Thrust Control Based Arbitrary Two Voltage Vectors for Linear Induction Machines in Metro Transportation; *TVT July 2020 7092-7103*
- Zou, Q., Jiang, H., Dai, Q., Yue, Y., Chen, L., and Wang, Q., Robust Lane Detection From Continuous Driving Scenes Using Deep Neural Networks; *TVT Jan. 2020 41-54*
- Zou, X., see Li, Y., *TVT May 2020 4920-4934*
- Zou, Y., see Jiang, Y., *TVT March 2020 3021-3033*
- Zou, Y., see Guo, N., *TVT May 2020 4935-4946*
- Zou, Y., see Yan, P., *TVT May 2020 5115-5128*
- Zou, Y., Precoding Design and Optimization for Multi-Antenna Systems With Limited Feedback; *TVT July 2020 7306-7316*
- Zou, Y., see Ding, X., *TVT July 2020 7648-7662*
- Zou, Y., see Raut, P., *TVT Aug. 2020 9146-9151*
- Zou, Y., Gong, S., Xu, J., Cheng, W., Hoang, D.T., and Niyato, D., Wireless Powered Intelligent Reflecting Surfaces for Enhancing Wireless Communications; *TVT Oct. 2020 12369-12373*
- Zou, Y., see Wang, C., *TVT Dec. 2020 15253-15268*
- Zou, Y., see Ding, X., *TVT Dec. 2020 16314-16319*
- Zukerman, M., see Li, J., *TVT Jan. 2020 1106-1110*
- Zumel, P., see Miniguano, H., *TVT Jan. 2020 235-245*
- Zuo, Y., see Mei, J., *TVT Nov. 2020 12822-12831*

Subject Index

Numeric

3G mobile communication

- A Critical MTC Resource Allocation Approach for LTE Networks With Finite Blocklength Codes. *Abdelsadek, M.Y., +, TVT May 2020 5598-5609*
- Adaptive Sum of Markov Chains for Modelling 3D Blockage in mmWave V2I Communications. *Alsalem, F.N., +, TVT Sept. 2020 9431-9444*
- Intra-Operator Customer Churn in Telecommunications: A Systematic Perspective. *Zhang, Y., +, TVT Jan. 2020 948-957*
- Localization in 3GPP LTE Based on One RTT and One TDOA Observation. *Radnosrati, K., +, TVT March 2020 3399-3411*
- On Wireless Blind Spots in the C-V2X Sidelink. *Bazzi, A., +, TVT Aug. 2020 9239-9243*
- Reinforcement Learning for Efficient and Fair Coexistence Between LTE-LAA and Wi-Fi. *Han, M., +, TVT Aug. 2020 8764-8776*

3GPP

- Networking and Positioning Co-Design in Multi-Connectivity Industrial mmW Systems. *Rastorgueva-Foi, E., +, TVT Dec. 2020 15842-15856*

4G mobile communication

- Coverage Regions Under Multi-Slope Pathloss Propagation. *Briggs, K., +, TVT Oct. 2020 11786-11789*
- DeepChannel: Wireless Channel Quality Prediction Using Deep Learning. *Kulkarni, A., +, TVT Jan. 2020 443-456*
- Intra-Operator Customer Churn in Telecommunications: A Systematic Perspective. *Zhang, Y., +, TVT Jan. 2020 948-957*
- Propagation Measurements and Modeling for Low Altitude UAVs From 1 to 24 GHz. *Briso, C., +, TVT March 2020 3439-3443*

5G mobile communication

- A Critical MTC Resource Allocation Approach for LTE Networks With Finite Blocklength Codes. *Abdelsadek, M.Y., +, TVT May 2020 5598-5609*
- A Dynamic MAP Discovery and Selection Scheme for Predictive Hierarchical MIPv6 in Vehicular Networks. *Aljeri, N., +, TVT Jan. 2020 793-806*
- A Fast Beam Alignment Scheme for Dual-Band HSR Wireless Networks. *Yan, L., +, TVT April 2020 3968-3979*
- A Game Theoretic Scheme for Collaborative Vehicular Task Offloading in 5G HetNets. *Hui, Y., +, TVT Dec. 2020 16044-16056*
- A Novel Approach for MBSFN Area Formation Aided by D2D Communications for eMBB Service Delivery in 5G NR Systems. *Rinaldi, F., +, TVT Feb. 2020 2058-2070*
- A Novel Compact, Broadband, High Gain Millimeter-Wave Antenna for 5G Beam Steering Applications. *Ozpinar, H., +, TVT March 2020 2389-2397*
- A Resource Sharing Scheme for Intercell D2D Communication in Cellular Networks: A Repeated Game Theoretic Approach. *Barik, P.K., +, TVT July 2020 7806-7820*
- A Tri-Polarized Antenna With Diverse Radiation Characteristics for 5G and V2X Communications. *Feng, B., +, TVT Sept. 2020 10115-10126*
- A Two-Layered Incentive Scheme for Cooperation in Sliced 5G D2D Networks. *Sun, Q., +, TVT Nov. 2020 13289-13304*
- A Unified Optimisation Framework for QoS Management and Congestion Control in VHTS Systems. *de Cola, T., +, TVT Oct. 2020 11619-11631*
- Adaptive Channel Prediction, Beamforming and Scheduling Design for 5G V2I Network: Analytical and Machine Learning Approaches. *Bogale, T.E., +, TVT May 2020 5055-5067*
- An Adaptive Wireless Virtual Reality Framework in Future Wireless Networks: A Distributed Learning Approach. *Guo, F., +, TVT Aug. 2020 8514-8528*
- An Efficient Software Stack Sphere Decoder for Polar Codes. *Zhou, H., +, TVT Feb. 2020 1257-1266*
- Bit Error Probability and Capacity Bound of OFDM Systems in Deterministic Doubly-Selective Channels. *Dominguez-Bolano, T., +, TVT Oct. 2020 11458-11469*
- Blockchain-Envisioned Secure Data Delivery and Collection Scheme for 5G-Based IoT-Enabled Internet of Drones Environment. *Bera, B., +, TVT Aug. 2020 9097-9111*

- Capacity Analysis of Device-to-Device mmWave Networks Under Transceiver Distortion Noise and Imperfect CSI. *Tlebaldiyeva, L.*, +, *TVT May 2020 5707-5712*
- Capturing the Sparsity and Tracking the Channels for Massive MIMO Networks. *Mohammed, A.*, +, *TVT Jan. 2020 685-699*
- Coalitional Games for Computation Offloading in NOMA-Enabled Multi-Access Edge Computing. *Pham, Q.*, +, *TVT Feb. 2020 1982-1993*
- Decentralized Learning Based Indoor Interference Mitigation for 5G-and-Beyond Systems. *Wang, Y.*, +, *TVT Oct. 2020 12124-12135*
- Delay Violation Probability and Effective Rate of Downlink NOMA Over α - μ Fading Channels. *Kumar, V.*, +, *TVT Oct. 2020 11241-11252*
- Design and Prototyping of a Software Defined Vehicular Networking. *Sadio, O.*, +, *TVT Jan. 2020 842-850*
- Direct Data Detection of OFDM Signals Over Wireless Channels. *Saci, A.*, +, *TVT Nov. 2020 12432-12448*
- Edge Intelligence for Energy-Efficient Computation Offloading and Resource Allocation in 5G Beyond. *Dai, Y.*, +, *TVT Oct. 2020 12175-12186*
- Efficient Resource Allocation in SCMA-Enabled Device-to-Device Communication for 5G Networks. *Sultana, A.*, +, *TVT May 2020 5343-5354*
- Electromagnetic Radiation Reduction in 5G Networks and Beyond Using Thermal Radiation Mode. *Kour, H.*, +, *TVT Oct. 2020 11841-11856*
- End-to-End Slicing With Optimized Communication and Computing Resource Allocation in Multi-Tenant 5G Systems. *Chien, H.*, +, *TVT Feb. 2020 2079-2091*
- Energy-Efficient Power Allocation and Q-Learning-Based Relay Selection for Relay-Aided D2D Communication. *Wang, X.*, +, *TVT June 2020 6452-6462*
- Enhancing Misbehavior Detection in 5G Vehicle-to-Vehicle Communications. *Nguyen, V.*, +, *TVT Sept. 2020 9417-9430*
- Extensionless Adaptive Transmitter and Receiver Windowing of Beyond 5G Frames. *Pekoz, B.*, +, *TVT Feb. 2020 1888-1902*
- Finite-Alphabet Signature Design for Grant-Free NOMA: A Quantized Deep Learning Approach. *Yu, H.*, +, *TVT Oct. 2020 10975-10987*
- Flexible DRX Optimization for LTE and 5G. *Moradi, F.*, +, *TVT Jan. 2020 607-621*
- FTGPHA: Fixed-Trajectory Group Pre-Handover Authentication Mechanism for Mobile Relays in 5G High-Speed Rail Networks. *Ma, R.*, +, *TVT Feb. 2020 2126-2140*
- Game Theory-Based Multi-Objective Optimization Interference Alignment Algorithm for HSR 5G Heterogeneous Ultra-Dense Network. *Sheng, J.*, +, *TVT Nov. 2020 13371-13382*
- Gaussian Mixture Based Context-Aware Short-Term Characterization of Wireless Channels. *Mukherjee, P.*, +, *TVT Jan. 2020 26-40*
- Handling Spontaneous Traffic Variations in 5G+ via Offloading Onto mmWave-Capable UAV "Bridges". *Tafintsev, N.*, +, *TVT Sept. 2020 10070-10084*
- Handset Frame Blockage Reduction of 5G mm-Wave Phased Arrays Using Hard Surface Inspired Structure. *Rodriguez-Cano, R.*, +, *TVT Aug. 2020 8132-8139*
- Impact of UAV Rotation on MIMO Channel Characterization for Air-to-Ground Communication Systems. *Ma, Z.*, +, *TVT Nov. 2020 12418-12431*
- Intelligent Maritime Networking With Edge Services and Computing Capability. *Su, X.*, +, *TVT Nov. 2020 13606-13620*
- Joint Transaction Relaying and Block Verification Optimization for Blockchain Empowered D2D Communication. *Jiang, L.*, +, *TVT Jan. 2020 828-841*
- Learning-Based Multi-Channel Access in 5G and Beyond Networks With Fast Time-Varying Channels. *Wang, S.*, +, *TVT May 2020 5203-5218*
- Leveraging Dynamic Stackelberg Pricing Game for Multi-Mode Spectrum Sharing in 5G-VANET. *Qian, B.*, +, *TVT June 2020 6374-6387*
- Localization Error Bounds for 5G mmWave Systems Under I/Q Imbalance. *Ghaseminajm, F.*, +, *TVT July 2020 7971-7975*
- Low-Complexity Beam Training for 5G Millimeter-Wave Massive MIMO Systems. *Wu, W.*, +, *TVT Jan. 2020 361-376*
- Low-Latency Segmented List-Pruning Software Polar List Decoder. *Shen, Y.*, +, *TVT April 2020 3575-3589*
- Mean-Field Game Theoretic Edge Caching in Ultra-Dense Networks. *Kim, H.*, +, *TVT Jan. 2020 935-947*
- Mobility Prediction Based Proactive Dynamic Network Orchestration for Load Balancing With QoS Constraint (OPERA). *Farooq, H.*, +, *TVT March 2020 3370-3383*
- Network Optimisation in 5G Networks: A Radio Environment Map Approach. *Suarez Rodriguez, A.C.*, +, *TVT Oct. 2020 12043-12057*
- Networking and Positioning Co-Design in Multi-Connectivity Industrial mmW Systems. *Rastorgueva-Foi, E.*, +, *TVT Dec. 2020 15842-15856*
- Non-Coherent Massive MIMO-OFDM Down-Link Based on Differential Modulation. *Chen-Hu, K.*, +, *TVT Oct. 2020 11281-11294*
- Non-Redundant OFDM Receiver Windowing for 5G Frames and Beyond. *Pekoz, B.*, +, *TVT Jan. 2020 676-684*
- On Outage Analysis in SWIPT Enabled Bidirectional D2D Communications Using Spectrum Sharing in Cellular Networks. *Ghosh, S.*, +, *TVT Sept. 2020 10167-10176*
- On the Multiplexing of Data and Metadata for Ultra-Reliable Low-Latency Communications in 5G. *Karimi, A.*, +, *TVT Oct. 2020 12136-12147*
- On The Secrecy Performance Over N-Wave With Diffuse Power Fading Channel. *Sanchez, J.D.V.*, +, *TVT Dec. 2020 15137-15148*
- Optimization of Data Exchange in 5G Vehicle-to-Infrastructure Edge Networks. *Huang, T.*, +, *TVT Sept. 2020 9376-9389*
- Optimization of Multitenant Radio Admission Control Through a Semi-Markov Decision Process. *Perez-Romero, J.*, +, *TVT Jan. 2020 862-875*
- Pairing Distance Resolution and Power Control for Massive Connectivity Improvement in NOMA Systems. *Mounchili, S.*, +, *TVT April 2020 4093-4103*
- Partial Tree Search Assisted Symbol Detection for Massive MIMO Systems. *Lu, H.*, +, *TVT Nov. 2020 13319-13327*
- Performance Analysis of Downlink NOMA Systems Over κ - μ Shadowed Fading Channels. *ElHalawany, B.M.*, +, *TVT Jan. 2020 1046-1050*
- Performance of Distributed Massive MIMO and Small-Cell Systems Under Hardware and Channel Impairments. *Elhoushy, S.*, +, *TVT Aug. 2020 8627-8642*
- Physical Layer Security Designs for 5G NOMA Systems With a Stronger Near-End Internal Eavesdropper. *Zhang, C.*, +, *TVT Nov. 2020 13005-13017*
- Pricing Based Distributed Traffic Allocation for 5G Heterogeneous Networks. *Passas, V.*, +, *TVT Oct. 2020 12111-12123*
- Propagation Measurements and Modeling for Low Altitude UAVs From 1 to 24 GHz. *Briso, C.*, +, *TVT March 2020 3439-3443*
- QoS Optimisation of eMBB Services in Converged 5G-Satellite Networks. *de Cola, T.*, +, *TVT Oct. 2020 12098-12110*
- Rate Splitting for Multi-Group Multicasting With a Common Message. *Yalcin, A.Z.*, +, *TVT Oct. 2020 12281-12285*
- Reduced-Complexity Low-Latency Logarithmic Successive Cancellation Stack Polar Decoding for 5G New Radio and Its Software Implementation. *Xiang, L.*, +, *TVT Nov. 2020 12449-12458*
- Resource Allocation for 5G-Enabled Vehicular Networks in Unlicensed Frequency Bands. *Li, P.*, +, *TVT Nov. 2020 13546-13555*
- SEARCH: An SDN-Enabled Approach for Vehicle Path-Planning. *Oubbati, O.S.*, +, *TVT Dec. 2020 14523-14536*
- Secure and Efficient Privacy-Preserving Authentication Scheme for 5G Software Defined Vehicular Networks. *Huang, J.*, +, *TVT Aug. 2020 8542-8554*
- Self-Energized UAV-Assisted Scheme for Cooperative Wireless Relay Networks. *Jayakody, D.N.K.*, +, *TVT Jan. 2020 578-592*
- Single-Anchor Two-Way Localization Bounds for 5G mmWave Systems. *Abu-Shaban, Z.*, +, *TVT June 2020 6388-6400*
- Single-Layer Wideband End-Fire Dual-Polarized Antenna Array for Device-to-Device Communication in 5G Wireless Systems. *Li, A.*, +, *TVT May 2020 5142-5150*
- Space-Frequency Increment Index Modulation Approach for Fifth Generation and Beyond Wireless Communication Systems. *Nusenu, S.Y.*, +, *TVT June 2020 6286-6298*

STBC-Aided Cooperative NOMA With Timing Offsets, Imperfect Successive Interference Cancellation, and Imperfect Channel State Information. *Akhtar, M.W.*, +, *TVT Oct. 2020 11712-11727*

The Comparative Study of S-V Model Between 3.5 and 28 GHz in Indoor and Outdoor Scenarios. *Jiang, T.*, +, *TVT March 2020 2351-2364*

Three-Dimensional Modeling of mmWave Doubly Massive MIMO Aerial Fading Channels. *Michailidis, E.T.*, +, *TVT Feb. 2020 1190-1202*

User Assisted Dynamic RAN Notification Area Configuration Scheme Based on Delay Sensitivity for 5G Inactive UEs. *Huang, X.*, +, *TVT March 2020 2671-2683*

6G mobile communication

Beyond D2D: Full Dimension UAV-to-Everything Communications in 6G. *Zhang, S.*, +, *TVT June 2020 6592-6602*

GCH-MV: Game-Enhanced Compensation Handover Scheme for Multipath TCP in 6G Software Defined Vehicular Networks. *Gao, K.*, +, *TVT Dec. 2020 16142-16154*

Impact of UAV Rotation on MIMO Channel Characterization for Air-to-Ground Communication Systems. *Ma, Z.*, +, *TVT Nov. 2020 12418-12431*

Reducing Offloading Latency for Digital Twin Edge Networks in 6G. *Sun, W.*, +, *TVT Oct. 2020 12240-12251*

Spectral Efficiency Optimization for Next Generation NOMA-Enabled IoT Networks. *Khan, W.U.*, +, *TVT Dec. 2020 15284-15297*

III-V semiconductor materials

IoV Scenario: Implementation of a Bandwidth Aware Algorithm in Wireless Network Communication Mode. *Zhang, P.*, +, *TVT Dec. 2020 15774-15785*

A

Absorption

Analyzing the Impact of Molecular Re-Radiation on the MIMO Capacity in High-Frequency Bands. *Hoseini, S.A.*, +, *TVT Dec. 2020 15458-15471*

Performance Analysis of Terahertz Unmanned Aerial Vehicular Networks. *Wang, X.*, +, *TVT Dec. 2020 16330-16335*

Acceleration

A Probability-Based Short-Term Velocity Prediction Method for Energy-Efficient Cruise Control. *Wasserburger, A.*, +, *TVT Dec. 2020 14424-14435*

Adaptive Robust Game-Theoretic Decision Making Strategy for Autonomous Vehicles in Highway. *Sankar, G.S.*, +, *TVT Dec. 2020 14484-14493*

An ω -Free Gyro-Free Accelerometer Pair Algorithm for 2D Trajectory Reconstruction. *Liu, X.*, +, *TVT Dec. 2020 16173-16177*

An Integrated Framework of Decision Making and Motion Planning for Autonomous Vehicles Considering Social Behaviors. *Hang, P.*, +, *TVT Dec. 2020 14458-14469*

Time-Dependent Performance Analysis of the 802.11p-Based Platooning Communications Under Disturbance. *Wu, Q.*, +, *TVT Dec. 2020 15760-15773*

Accelerometers

An ω -Free Gyro-Free Accelerometer Pair Algorithm for 2D Trajectory Reconstruction. *Liu, X.*, +, *TVT Dec. 2020 16173-16177*

MEMS Gyro Bias Estimation in Accelerated Motions Using Sensor Fusion of Camera and Angular-Rate Gyroscope. *Nazemipour, A.*, +, *TVT April 2020 3841-3851*

Sensor Fault Detection and Isolation Using a Support Vector Machine for Vehicle Suspension Systems. *Jeong, K.*, +, *TVT April 2020 3852-3863*

Access control

An Identity-Based and Revocable Data-Sharing Scheme in VANETs. *Hornig, S.*, +, *TVT Dec. 2020 15933-15946*

Deep Reinforcement Learning Aided Intelligent Access Control in Energy Harvesting Based WLAN. *Zhao, Y.*, +, *TVT Nov. 2020 14078-14082*

Device Association for RAN Slicing Based on Hybrid Federated Deep Reinforcement Learning. *Liu, Y.*, +, *TVT Dec. 2020 15731-15745*

Access protocols

A Priority-Based Cross-Layer Design for Future VANETs Through Full-Duplex Technology. *Zang, J.*, +, *TVT July 2020 7531-7544*

A WLAN Uplink Collision-Resolving Scheme Using Multi-User Beamforming Technique. *Lee, Y.*, +, *TVT Oct. 2020 11042-11054*

Distributive Throughput Optimization for Massive Random Access of M2M Communications in LTE Networks. *Zhang, C.*, +, *TVT Oct. 2020 11828-11840*

Implementing Distributed TDMA Using Relative Distance in Vehicular Networks. *Deng, Y.*, +, *TVT July 2020 7295-7305*

Joint Scheduling and Precoding for mmWave and Sub-6GHz Dual-Mode Networks. *Cheng, M.*, +, *TVT Nov. 2020 13098-13111*

SatOpt Partition: Dividing Throughput-Stability Region for IEEE 802.11 DCF Networks. *Zhao, Q.*, +, *TVT Sept. 2020 10278-10290*

Theoretical Throughput Analysis for Massive Random Access With Spatial Successive Decoding. *Li, P.*, +, *TVT July 2020 7998-8002*

Acoustic noise

Making the Case for Switched Reluctance Motors for Propulsion Applications. *Bilgin, B.*, +, *TVT July 2020 7172-7186*

Modelling and Vibration Analysis of a Parallel Hydraulic Hybrid Vehicle. *Zhou, S.*, +, *TVT Oct. 2020 10710-10723*

Acoustic signal processing

A Direct Position Determination Approach for Underwater Acoustic Sensor Networks. *Wang, L.*, +, *TVT Nov. 2020 13033-13044*

Peak Extraction Passive Source Localization Using a Single Hydrophone in Shallow Water. *Zhang, T.*, +, *TVT March 2020 3412-3423*

Vehicle Detection and Classification Using Distributed Fiber Optic Acoustic Sensing. *Liu, H.*, +, *TVT Feb. 2020 1363-1374*

Active antenna arrays

A Precoding Aided Space Domain Index Modulation Scheme for Downlink Multiuser MIMO Systems. *Souto, N.*, +, *TVT Oct. 2020 12333-12337*

Actuators

A Mechatronic Brake Booster for Electric Vehicles: Design, Control, and Experiment. *Wu, J.*, +, *TVT July 2020 7040-7053*

A Universal and Reconfigurable Stability Control Methodology for Articulated Vehicles With Any Configurations. *Zhang, Y.*, +, *TVT April 2020 3748-3759*

Adaptive Fault-Tolerant Control of Platoons With Guaranteed Traffic Flow Stability. *Guo, G.*, +, *TVT July 2020 6916-6927*

Adaptive Fuzzy Backstepping-Based Formation Control of Unmanned Surface Vehicles With Unknown Model Nonlinearity and Actuator Saturation. *Zhou, W.*, +, *TVT Dec. 2020 14749-14764*

Asymptotic Stabilization of USVs With Actuator Dead-Zones and Yaw Constraints Based on Fixed-Time Disturbance Observer. *Guo, G.*, +, *TVT Jan. 2020 302-316*

Coordinated Control in the Presence of Actuator Saturation for Multiple High-Speed Trains in the Moving Block Signaling System Mode. *Bai, W.*, +, *TVT Aug. 2020 8054-8064*

Dynamic Output Feedback Fault Tolerant Control for Unmanned Underwater Vehicles. *Wang, X.*, +, *TVT April 2020 3693-3702*

Efficient Mode Transition Control for Parallel Hybrid Electric Vehicle With Adaptive Dual-Loop Control Framework. *Yang, C.*, +, *TVT Feb. 2020 1519-1532*

On the Design of Yaw Rate Control via Variable Front-to-Total Anti-Roll Moment Distribution. *Ricco, M.*, +, *TVT Feb. 2020 1388-1403*

Prescribed Performance Concurrent Control of Connected Vehicles With Nonlinear Third-Order Dynamics. *Li, D.*, +, *TVT Dec. 2020 14793-14802*

Wheel Modules With Distributed Controllers: A Multi-Agent Approach to Vehicular Control. *Tang, C.*, +, *TVT Oct. 2020 10879-10888*

Ad hoc networks

ARFV: An Efficient Shared Data Auditing Scheme Supporting Revocation for Fog-Assisted Vehicular Ad-Hoc Networks. *Cui, M.*, +, *TVT Dec. 2020 15815-15827*

Corrections to "Energy-Efficient and Secure Air-to-Ground Communication With Jittering UAV". *Wu, H.*, +, *TVT Sept. 2020 10397*

Adaptation models

A Method of State-of-Charge Estimation for EV Power Lithium-Ion Battery Using a Novel Adaptive Extended Kalman Filter. *He, Z.*, +, *TVT Dec. 2020 14618-14630*

Adaptive Federated Learning With Gradient Compression in Uplink NOMA. *Sun, H.*, +, *TVT Dec. 2020 16325-16329*

Adaptive Fuzzy Backstepping-Based Formation Control of Unmanned Surface Vehicles With Unknown Model Nonlinearity and Actuator Saturation. Zhou, W., +, *TVT Dec. 2020 14749-14764*

Adaptive Robust Game-Theoretic Decision Making Strategy for Autonomous Vehicles in Highway. Sankar, G.S., +, *TVT Dec. 2020 14484-14493*

Adaptive antenna arrays

Efficient DOA Estimation Method Using Bias-Compensated Adaptive Filtering. Liu, C., +, *TVT Nov. 2020 13087-13097*

Low-Complexity Channel Estimation for Circular and Noncircular Signals in Virtual MIMO Vehicle Communication Systems. Wang, X., +, *TVT April 2020 3916-3928*

Adaptive control

A Novel Terramechanics-Based Path-Tracking Control of Terrain-Based Wheeled Robot Vehicle With Matched-Mismatched Uncertainties. Taghavifar, H., +, *TVT Jan. 2020 67-77*

A Reinforcement Learning-Based Adaptive Path Tracking Approach for Autonomous Driving. Shan, Y., +, *TVT Oct. 2020 10581-10595*

Adaptive Fault-Tolerant Control of Platoons With Guaranteed Traffic Flow Stability. Guo, G., +, *TVT July 2020 6916-6927*

Adaptive Sliding Mode-Based Lateral Stability Control of Steer-by-Wire Vehicles With Experimental Validations. Zhang, J., +, *TVT Sept. 2020 9589-9600*

An Adaptive Backstepping Sliding Mode Controller to Improve Vehicle Maneuverability and Stability via Torque Vectoring Control. Zhang, L., +, *TVT March 2020 2598-2612*

An Adaptive Resilient Load Frequency Controller for Smart Grids With DoS Attacks. Lu, K., +, *TVT May 2020 4689-4699*

Asymptotic Stabilization of USVs With Actuator Dead-Zones and Yaw Constraints Based on Fixed-Time Disturbance Observer. Guo, G., +, *TVT Jan. 2020 302-316*

Compensation of Communication Delays in a Cooperative ACC System. Xing, H., +, *TVT Feb. 2020 1177-1189*

Dynamic Output Feedback Fault Tolerant Control for Unmanned Underwater Vehicles. Wang, X., +, *TVT April 2020 3693-3702*

Efficient Mode Transition Control for Parallel Hybrid Electric Vehicle With Adaptive Dual-Loop Control Framework. Yang, C., +, *TVT Feb. 2020 1519-1532*

Impact of Jamming Attacks on Vehicular Cooperative Adaptive Cruise Control Systems. Alipour-Fanid, A., +, *TVT Nov. 2020 12679-12693*

Learning at the Racetrack: Data-Driven Methods to Improve Racing Performance Over Multiple Laps. Kapania, N.R., +, *TVT Aug. 2020 8232-8242*

Neural Networks-Based Sliding Mode Fault-Tolerant Control for High-Speed Trains With Bounded Parameters and Actuator Faults. Dong, H., +, *TVT Feb. 2020 1353-1362*

Self-Adaptive Hyper-Heuristic Markov Chain Evolution for Generating Vehicle Multi-Parameter Driving Cycles. Zhang, M., +, *TVT June 2020 6041-6052*

Speed Profile Tracking by an Adaptive Controller for Subway Train Based on Neural Network and PID Algorithm. Pu, Q., +, *TVT Oct. 2020 10656-10667*

Synthesis of Cooperative Adaptive Cruise Control With Feedforward Strategies. Zhu, Y., +, *TVT April 2020 3615-3627*

Adaptive decoding

Efficient Sparse Code Multiple Access Decoder Based on Deterministic Message Passing Algorithm. Zhang, C., +, *TVT April 2020 3562-3574*

Low-Latency Segmented List-Pruning Software Polar List Decoder. Shen, Y., +, *TVT April 2020 3575-3589*

Adaptive estimation

DeepChannel: Wireless Channel Quality Prediction Using Deep Learning. Kulkarni, A., +, *TVT Jan. 2020 443-456*

IMU-Based Automated Vehicle Body Sideslip Angle and Attitude Estimation Aided by GNSS Using Parallel Adaptive Kalman Filters. Xiong, L., +, *TVT Oct. 2020 10668-10680*

Adaptive filters

Efficient DOA Estimation Method Using Bias-Compensated Adaptive Filtering. Liu, C., +, *TVT Nov. 2020 13087-13097*

Adaptive Kalman filters

IMU-Based Automated Vehicle Body Sideslip Angle and Attitude Estimation Aided by GNSS Using Parallel Adaptive Kalman Filters. Xiong, L., +, *TVT Oct. 2020 10668-10680*

Adaptive modulation

Design and Analysis of CQI Feedback Reduction Mechanism for Adaptive Multicast IPTV in Wireless Cellular Networks. Li, M., +, *TVT Feb. 2020 2008-2020*

Scalable Panoramic Wireless Video Streaming Relying on Optimal-Rate FEC-Coded Adaptive QAM. Zhang, Y., +, *TVT Oct. 2020 11206-11219*

Adaptive optics

Channel Modeling for UAV-Based Optical Wireless Links With Nonzero Boresight Pointing Errors. Dabiri, M.T., +, *TVT Dec. 2020 14238-14246*

Adaptive signal detection

Adaptive Switching Spatial-Temporal Fusion Detection for Remote Flying Drones. Xie, J., +, *TVT July 2020 6964-6976*

Adaptive systems

An Adaptive State Machine Based Energy Management Strategy for a Multi-Stack Fuel Cell Hybrid Electric Vehicle. Macias Fernandez, A., +, *TVT Jan. 2020 220-234*

Adjacent channel interference

Characterization and Performance Improvement of Cooperative Wireless Networks With Nonlinear Power Amplifier at Relay. Majidi, M., +, *TVT March 2020 3244-3255*

Extensionless Adaptive Transmitter and Receiver Windowing of Beyond 5G Frames. Pekoz, B., +, *TVT Feb. 2020 1888-1902*

Non-Redundant OFDM Receiver Windowing for 5G Frames and Beyond. Pekoz, B., +, *TVT Jan. 2020 676-684*

Reduced Complexity Sparse Recovery Detectors for Differential Space Shift Keying MIMO System. Alshawaqfeh, M., +, *TVT April 2020 4558-4562*

Advertising

Transparent and Accountable Vehicular Local Advertising With Practical Blockchain Designs. Liu, D., +, *TVT Dec. 2020 15694-15705*

Aerodynamics

Capturing the Impact of Speed, Grade, and Traffic on Class 8 Truck Platooning. Taylor, A.H., +, *TVT Oct. 2020 10506-10518*

Least-Energy Path Planning With Building Accurate Power Consumption Model of Rotary Unmanned Aerial Vehicle. Hong, D., +, *TVT Dec. 2020 14803-14817*

Racecar Longitudinal Control in Unknown and Highly-Varying Driving Conditions. Pedone, S., +, *TVT Nov. 2020 12521-12535*

Time-Dependent Performance Analysis of the 802.11p-Based Platooning Communications Under Disturbance. Wu, Q., +, *TVT Dec. 2020 15760-15773*

Aerospace communication

AirNet: Energy-Aware Deployment and Scheduling of Aerial Networks. Bozkaya, E., +, *TVT Oct. 2020 12252-12263*

Caching Placement and Resource Allocation for Cache-Enabling UAV NOMA Networks. Zhang, T., +, *TVT Nov. 2020 12897-12911*

Cooperative Offloading and Resource Management for UAV-Enabled Mobile Edge Computing in Power IoT System. Liu, Y., +, *TVT Oct. 2020 12229-12239*

Energy-Saving Deployment Algorithms of UAV Swarm for Sustainable Wireless Coverage. Zhang, X., +, *TVT Sept. 2020 10320-10335*

Optimal Altitude Selection of Aerial Base Stations to Maximize Coverage and Energy Harvesting Probabilities: A Stochastic Geometry Analysis. Enayati, S., +, *TVT Jan. 2020 1096-1100*

Resonant Beam Charging-Powered UAV-Assisted Sensing Data Collection. Chen, W., +, *TVT Jan. 2020 1086-1090*

State-Aware Rate Adaptation for UAVs by Incorporating On-Board Sensors. He, S., +, *TVT Jan. 2020 488-496*

UAV Virtualization for Enabling Heterogeneous and Persistent UAV-as-a-Service. Pathak, N., +, *TVT June 2020 6731-6738*

UAV-Enabled Secure Communications by Multi-Agent Deep Reinforcement Learning. Zhang, Y., +, *TVT Oct. 2020 11599-11611*

Aerospace components

Joint 3D Trajectory Design and Time Allocation for UAV-Enabled Wireless Power Transfer Networks. Feng, W., +, *TVT Sept. 2020 9265-9278*

Aerospace computing

auSense: Collaborative Airspace Sensing by Commercial Airplanes and Unmanned Aerial Vehicles. *Pan, Y., +, TVT June 2020 5995-6010*

Cooperative Offloading and Resource Management for UAV-Enabled Mobile Edge Computing in Power IoT System. *Liu, Y., +, TVT Oct. 2020 12229-12239*

Flight Delay Prediction Based on Aviation Big Data and Machine Learning. *Gui, G., +, TVT Jan. 2020 140-150*

Machine Learning Aided Air Traffic Flow Analysis Based on Aviation Big Data. *Gui, G., +, TVT May 2020 4817-4826*

Online Task Allocation and Flying Control in Fog-Aided Internet of Drones. *Yao, J., +, TVT May 2020 5562-5569*

UAV Virtualization for Enabling Heterogeneous and Persistent UAV-as-a-Service. *Pathak, N., +, TVT June 2020 6731-6738*

Aerospace control

Online Task Allocation and Flying Control in Fog-Aided Internet of Drones. *Yao, J., +, TVT May 2020 5562-5569*

Social-Aware UAV-Assisted Mobile Crowd Sensing in Stochastic and Dynamic Environments for Disaster Relief Networks. *Wang, B., +, TVT Jan. 2020 1070-1074*

Aerospace safety

Flight Delay Prediction Based on Aviation Big Data and Machine Learning. *Gui, G., +, TVT Jan. 2020 140-150*

Aging

A Hierarchical and Flexible Data-Driven Method for Online State-of-Health Estimation of Li-Ion Battery. *Liu, W., +, TVT Dec. 2020 14739-14748*

Active Adaptive Battery Aging Management for Electric Vehicles. *Corno, M., +, TVT Jan. 2020 258-269*

Remaining Useful Life Prediction for Lithium-Ion Batteries Based on Capacity Estimation and Box-Cox Transformation. *Xue, Q., +, TVT Dec. 2020 14765-14779*

Research on Optimization of Charging Strategy Control for Aged Batteries. *Sun, J., +, TVT Dec. 2020 14141-14149*

Agricultural machinery

Trailer Mass Estimation Using System Model-Based and Machine Learning Approaches. *Korayem, A.H., +, TVT Nov. 2020 12536-12546*

Air conditioning

An On-Line Multiple Open-Circuit Fault Diagnostic Technique for Railway Vehicle Air-Conditioning Inverters. *Li, K., +, TVT July 2020 7026-7039*

Air gaps

A Comprehensive Analysis of Short-Circuit Fault in Wound-Rotor Resolvers. *Lasjerdi, H., +, TVT Dec. 2020 14884-14892*

A New Parallel-Hybrid-Excited Permanent-Magnet Machine With Harmonic-Differential Effect for Electric Vehicles. *Cao, L., +, TVT Nov. 2020 12734-12750*

A Novel Dual-Permanent-Magnet-Excited Machine With Non-Uniformly Distributed Permanent-Magnets and Flux Modulation Poles on the Stator. *Xu, L., +, TVT July 2020 7104-7115*

Comprehensive Efficiency Optimization of Linear Induction Motors for Urban Transit. *Xu, W., +, TVT Jan. 2020 131-139*

Mitigating the Torque Ripple in Electric Traction Using Proportional Integral Resonant Controller. *Chuan, H., +, TVT Oct. 2020 10820-10831*

Air pollution

A Densely-Deployed, High Sampling Rate, Open-Source Air Pollution Monitoring WSN. *Montrucchio, B., +, TVT Dec. 2020 15786-15799*

Air pollution control

Can Charging Infrastructure Used Only by Electric Taxis Be Profitable? A Case Study From Karlsruhe, Germany. *Funke, S.A., +, TVT June 2020 5933-5944*

Demand-Aware Provisioning of Electric Vehicles Fast Charging Infrastructure. *Kabir, M.E., +, TVT July 2020 6952-6963*

Joint Route Selection and Charging Discharging Scheduling of EVs in V2G Energy Network. *Liu, P., +, TVT Oct. 2020 10630-10641*

Air traffic control

Machine Learning Aided Air Traffic Flow Analysis Based on Aviation Big Data. *Gui, G., +, TVT May 2020 4817-4826*

Aircraft

auSense: Collaborative Airspace Sensing by Commercial Airplanes and Unmanned Aerial Vehicles. *Pan, Y., +, TVT June 2020 5995-6010*

Spectral Efficiency of Dynamic Licensed Shared Access. *Onidare, S.O., +, TVT Dec. 2020 15149-15161*

Aircraft antennas

Learning and Uncertainty-Exploited Directional Antenna Control for Robust Long-Distance and Broad-Band Aerial Communication. *Liu, M., +, TVT Jan. 2020 593-606*

Aircraft communication

auSense: Collaborative Airspace Sensing by Commercial Airplanes and Unmanned Aerial Vehicles. *Pan, Y., +, TVT June 2020 5995-6010*

A Wideband Non-Stationary Air-to-Air Channel Model for UAV Communications. *Ma, Z., +, TVT Feb. 2020 1214-1226*

Beyond D2D: Full Dimension UAV-to-Everything Communications in 6G. *Zhang, S., +, TVT June 2020 6592-6602*

Energy Efficiency Maximization for Full-Duplex UAV Secrecy Communication. *Duo, B., +, TVT April 2020 4590-4595*

Energy-Efficient and Secure Air-to-Ground Communication With Jittering UAV. *Wu, H., +, TVT April 2020 3954-3967*

Joint Placement and Resources Optimization for Multi-User UAV-Relaying Systems With Underlaid Cellular Networks. *Guo, Y., +, TVT Oct. 2020 12374-12377*

Learning and Uncertainty-Exploited Directional Antenna Control for Robust Long-Distance and Broad-Band Aerial Communication. *Liu, M., +, TVT Jan. 2020 593-606*

On the Performance of RIS-Assisted Dual-Hop UAV Communication Systems. *Yang, L., +, TVT Sept. 2020 10385-10390*

Optimal Detection of UAV's Transmission With Beam Sweeping in Covert Wireless Networks. *Hu, J., +, TVT Jan. 2020 1080-1085*

Optimal Resource Allocation in Ground Wireless Networks Supporting Unmanned Aerial Vehicle Transmissions. *Hu, Y., +, TVT Aug. 2020 8972-8984*

Propagation Measurements and Modeling for Low Altitude UAVs From 1 to 24 GHz. *Briso, C., +, TVT March 2020 3439-3443*

Security Enhancement for NOMA-UAV Networks. *Zhao, N., +, TVT April 2020 3994-4005*

Service-Oriented Fair Resource Allocation and Auction for Civil Aircrafts Augmented Space-Air-Ground Integrated Networks. *Chen, Q., +, TVT Nov. 2020 13658-13672*

Spectral Coexistence of LDACS and DME: Analysis via Hardware Software Co-Design in Presence of Real Channels and RF Impairments. *Agrawal, N., +, TVT Sept. 2020 9837-9848*

UAV-Assisted Cooperative Communications With Time-Sharing Information and Power Transfer. *Yin, S., +, TVT Feb. 2020 1554-1567*

UAV-Enabled Uplink Non-Orthogonal Multiple Access System: Joint Deployment and Power Control. *Lu, J., +, TVT Sept. 2020 10090-10102*

Aircraft control

Autonomous Tracking Using a Swarm of UAVs: A Constrained Multi-Agent Reinforcement Learning Approach. *Chen, Y., +, TVT Nov. 2020 13702-13717*

Energy Efficiency Maximization for Full-Duplex UAV Secrecy Communication. *Duo, B., +, TVT April 2020 4590-4595*

Robust Time-Varying Formation Control for a Set of Quad-Copters With Switching Interaction Communication Topology. *Liu, H., +, TVT July 2020 6880-6890*

Airports

Flight Delay Prediction Based on Aviation Big Data and Machine Learning. *Gui, G., +, TVT Jan. 2020 140-150*

Spectral Efficiency of Dynamic Licensed Shared Access. *Onidare, S.O., +, TVT Dec. 2020 15149-15161*

Alarm systems

A Device-Free Intelligent Alarm System Based on the Channel State Information. *Yang, X., +, TVT Oct. 2020 11419-11427*

Algebra

Algebraic Construction of Optimal Frequency Hopping Patterns Based on Welch Costas Arrays. *Yao, J., +, TVT Feb. 2020 1841-1854*

Amplify and forward communication

- Characterization and Performance Improvement of Cooperative Wireless Networks With Nonlinear Power Amplifier at Relay. *Majidi, M.*, +, *TVT March 2020 3244-3255*
- Detection for OFDM-AF Relay Systems Under Gaussian Mixture Noise With Imperfect CSI. *Zhang, J.*, +, *TVT May 2020 5666-5671*
- Enabling Edge Caching Through Full-Duplex Non-Orthogonal Multiple Access. *Ma, R.*, +, *TVT Oct. 2020 12338-12342*
- Full-Duplex Amplify-and-Forward Relaying Under I/Q Imbalance. *Samara, L.*, +, *TVT July 2020 7966-7970*
- Impact of Co-Channel Interference and Vehicles as Obstacles on Full-Duplex V2V Cooperative Wireless Network. *Eshteiwi, K.*, +, *TVT July 2020 7503-7517*
- On the Distribution of the Ratio of Products of Fisher-Snedecor \mathcal{F} Random Variables and Its Applications. *Du, H.*, +, *TVT Feb. 2020 1855-1866*
- On the Performance Analysis of Higher Order QAM Schemes Over Mixed RF/FSO Systems. *Singya, P.K.*, +, *TVT July 2020 7366-7378*
- On the Performance of RIS-Assisted Dual-Hop UAV Communication Systems. *Yang, L.*, +, *TVT Sept. 2020 10385-10390*
- On Uplink Performance of Multiuser Massive MIMO Relay Network With Limited RF Chains. *Xu, J.*, +, *TVT Aug. 2020 8670-8683*
- Optimal Relay Selection for Secure NOMA Systems Under Untrusted Users. *Cao, K.*, +, *TVT Feb. 2020 1942-1955*
- Optimal Training Design for MIMO Amplify-and-Forward Two-Way Relay Systems in the Presence of Interference. *Chun, C.*, +, *TVT May 2020 5151-5163*
- Outage Analysis of RF Energy Harvesting Cooperative Communication Systems Over Nakagami- m Fading Channels With Integer and Non-Integer. *Hoang, T.M.*, +, *TVT March 2020 2785-2801*
- Performance Analysis and Optimization of Bidirectional Overlay Cognitive Radio Networks With Hybrid-SWIPT. *Prathima, A.*, +, *TVT Nov. 2020 13467-13481*
- Performance Analysis of Bidirectional AF Based Cooperative Vehicular Networks. *Qin, D.*, +, *TVT Feb. 2020 2274-2279*
- Performance Analysis of Dual-Hop Relaying With I/Q Imbalance and Additive Hardware Impairment. *Gao, Y.*, +, *TVT April 2020 4580-4584*
- Performance Analysis of Full-Duplex Relay-Aided NOMA Systems Using Partial Relay Selection. *Tregancini, A.*, +, *TVT Jan. 2020 622-635*
- Performance Analysis of Mixed RF-UWOC Dual-Hop Transmission Systems. *Li, S.*, +, *TVT Nov. 2020 14043-14048*
- Performance of SWIPT for Full-Duplex Relay System With Co-Channel Interference. *Guo, J.*, +, *TVT Feb. 2020 2311-2315*
- Robust Secure Beamforming for SWIPT-Aided Relay Systems With Full-Duplex Receiver and Imperfect CSI. *Li, X.*, +, *TVT Feb. 2020 1867-1878*
- Secure Beamforming and Jamming for Multibeam Satellite Systems With Correlated Wiretap Channels. *Cui, G.*, +, *TVT Oct. 2020 12348-12353*
- Secure Communication With Outdated Channel State Information via Untrusted Relay Capable of Energy Harvesting. *Lim, J.*, +, *TVT Oct. 2020 11323-11337*
- Switched Max-Link Relay Selection Based on Maximum Minimum Distance for Cooperative MIMO Systems. *Duarte, F.L.*, +, *TVT Feb. 2020 1928-1941*
- System Outage Probability of PS-SWIPT Enabled Two-Way AF Relaying With Hardware Impairments. *Liu, Z.*, +, *TVT Nov. 2020 13532-13545*
- Transceiver Design for AF MIMO Relay Systems With a Power Splitting Based Energy Harvesting Relay Node. *Li, B.*, +, *TVT March 2020 2376-2388*

Amplitude modulation

- A Multi-Tone Amplitude Modulation Scheme for Wireless Information and Power Transfer. *Im, C.*, +, *TVT Jan. 2020 1147-1151*

Amplitude shift keying

- Subcarrier-Wise Backscatter Communications Over Ambient OFDM for Low Power IoT. *Nemati, M.*, +, *TVT Nov. 2020 13229-13242*

Analog-digital conversion

- Angular-Domain Channel Estimation for One-Bit Massive MIMO Systems: Performance Bounds and Algorithms. *Liu, F.*, +, *TVT March 2020 2928-2942*
- Fast Beam Training Architecture for Hybrid mmWave Transceivers. *Yang, J.*, +, *TVT March 2020 2700-2715*
- Hybrid Beamforming/Combining for Millimeter Wave MIMO: A Machine Learning Approach. *Chen, J.*, +, *TVT Oct. 2020 11353-11368*
- Spatially Correlated Massive MIMO Relay Systems With Low-Resolution ADCs. *Dong, P.*, +, *TVT June 2020 6541-6553*
- Stochastic Hybrid Combining Design for Quantized Massive MIMO Systems. *Wang, Y.*, +, *TVT Dec. 2020 16224-16229*

Analytical models

- A Study of Cross-Layer BP/LTP Data Block Size in Space Vehicle Communications Over Lossy and Highly Asymmetric Channels. *Zhou, Y.*, +, *TVT Dec. 2020 16126-16141*
- Automatic Virtual Test Technology for Intelligent Driving Systems Considering Both Coverage and Efficiency. *Gao, F.*, +, *TVT Dec. 2020 14365-14376*
- Capacity Analysis of Coordinated Multipoint Reception for mmWave Uplink With Blockages. *Maham, B.*, +, *TVT Dec. 2020 16299-16303*
- Influence and Mitigation of Pedestrian Blockage at mmWave Cellular Networks. *Kumar S, Y.*, +, *TVT Dec. 2020 15442-15457*
- Time-Dependent Performance Analysis of the 802.11p-Based Platooning Communications Under Disturbance. *Wu, Q.*, +, *TVT Dec. 2020 15760-15773*

Anechoic chambers (electromagnetic)

- Virtual Drive Testing Over-the-Air for Vehicular Communications. *Ji, Y.*, +, *TVT Feb. 2020 1203-1213*

Angular measurement

- An IMM-UKF Aided SINS/USBL Calibration Solution for Underwater Vehicles. *Yao, Y.*, +, *TVT April 2020 3740-3747*

Angular momentum

- Joint OAM Multiplexing and OFDM in Sparse Multipath Environments. *Liang, L.*, +, *TVT April 2020 3864-3878*

Angular velocity control

- Energy-Efficient Speed Control of Electric Vehicles: Linear Matrix Inequality Approach. *Veysi, M.*, +, *TVT Oct. 2020 10469-10483*
- Speed Sensorless Control of SPMSM Drives for EVs With a Binary Search Algorithm-Based Phase-Locked Loop. *Sun, X.*, +, *TVT May 2020 4968-4978*

Anodes

- An Online Self Cold Startup Methodology for PEM Fuel Cells in Vehicular Applications. *Amamou, A.*, +, *TVT Dec. 2020 14160-14172*

Ant colony optimization

- Cooperative Edge Caching With Location-Based and Popular Contents for Vehicular Networks. *Chen, J.*, +, *TVT Sept. 2020 10291-10305*

Antenna arrays

- A Deep Learning Framework for Hybrid Beamforming Without Instantaneous CSI Feedback. *Elbir, A.M.*, *TVT Oct. 2020 11743-11755*
- A Dual-Functional Massive MIMO OFDM Communication and Radar Transmitter Architecture. *Temiz, M.*, +, *TVT Dec. 2020 14974-14988*
- A General and Systematic Method to Design Neutralization Lines for Isolation Enhancement in MIMO Antenna Arrays. *Li, M.*, +, *TVT June 2020 6242-6253*
- A Novel Downlink Interference Alignment Method for Multi-User MIMO System With No CSIT: A Space-Time Coding Approach. *Arti, M.K.*, *TVT Oct. 2020 10937-10948*
- A Sequential Subspace Method for Millimeter Wave MIMO Channel Estimation. *Zhang, W.*, +, *TVT May 2020 5355-5368*
- A Study of 2D Non-Stationary Massive MIMO Channels by Transformation of Delay and Angular Power Spectral Densities. *Lopez, C.F.*, +, *TVT Dec. 2020 14212-14224*
- A WLAN Uplink Collision-Resolving Scheme Using Multi-User Beamforming Technique. *Lee, Y.*, +, *TVT Oct. 2020 11042-11054*
- Accurate Indoor Localization Assisted With Optimizing Array Orientations and Receiver Positions. *Sheng, M.*, +, *TVT Jan. 2020 509-521*

- Analysis of DF Relay Selection in Massive MIMO Systems With Hardware Impairments. *Kazemi, M., +, TVT June 2020 6141-6152*
- Antenna Selection for Improving Energy Efficiency in XL-MIMO Systems. *Marinello, J.C., +, TVT Nov. 2020 13305-13318*
- Beamformed Radio Link Capacity Under Positioning Uncertainty. *Talvitie, J., +, TVT Dec. 2020 16235-16240*
- Calibration of Ray-Tracing With Diffuse Scattering Against 28-GHz Directional Urban Channel Measurements. *Charbonnier, R., +, TVT Dec. 2020 14264-14276*
- Capacity and Outage of Terahertz Communications With User Micro-Mobility and Beam Misalignment. *Petrov, V., +, TVT June 2020 6822-6827*
- Channel Capacity of Massive MIMO With Selected Multi-Stream Transmission in Spatially Correlated Fading Environments. *Karasawa, Y., TVT May 2020 5320-5330*
- Complex ResNet Aided DoA Estimation for Near-Field MIMO Systems. *Cao, Y., +, TVT Oct. 2020 11139-11151*
- Computationally Efficient Constructive Interference Precoding for PSK Modulations Under Per-Antenna Power Constraint. *Chen, C., TVT Aug. 2020 9206-9211*
- Covert Communications in D2D Underlying Cellular Networks With Antenna Array Assisted Artificial Noise Transmission. *Jiang, Y., +, TVT March 2020 2980-2992*
- Decentralized Signal Detection via Expectation Propagation Algorithm for Uplink Massive MIMO Systems. *Zhang, Z., +, TVT Oct. 2020 11233-11240*
- Deep Learning-Based Cooperative Automatic Modulation Classification Method for MIMO Systems. *Wang, Y., +, TVT April 2020 4575-4579*
- Double Space-Time Line Codes. *Joung, J., +, TVT Feb. 2020 2316-2321*
- Downlink Sum-Rates of SC-FDP and OFDM Massive MIMO Systems in Doubly Dispersive Channels. *Mokhtari, Z., +, TVT Aug. 2020 8065-8079*
- Efficient Low-Complexity Antenna Selection Algorithms in Multi-User Massive MIMO Systems With Matched Filter Precoding. *Abdullah, Z., +, TVT March 2020 2993-3007*
- Efficient Pre-Conditioned Descent Search Detector for Massive MU-MIMO. *Zhang, C., +, TVT May 2020 4663-4676*
- Efficient Receiver Design for Uplink Cell-Free Massive MIMO With Hardware Impairments. *Zheng, J., +, TVT April 2020 4537-4541*
- Energy Efficient Resource Allocation for Underlying Multi-D2D Enabled Multiple-Antennas Communications. *Ozbek, B., +, TVT June 2020 6189-6199*
- Energy-Efficient and Secure Air-to-Ground Communication With Jittering UAV. *Wu, H., +, TVT April 2020 3954-3967*
- Frame Integrated Wideband Dual-Polarized Arrays for Mm-Wave/Sub 6-GHz Mobile Handsets and Its User Effects. *Li, H., +, TVT Dec. 2020 14330-14340*
- Full-Duplex Non-Orthogonal Multiple Access Cooperative Spectrum-Sharing Networks With Non-Linear Energy Harvesting. *Hakimi, A., +, TVT Oct. 2020 10925-10936*
- Gibbs Distribution Based Antenna Splitting and User Scheduling in Full Duplex Massive MIMO Systems. *Guo, M., +, TVT April 2020 4508-4515*
- Impact of UAV Rotation on MIMO Channel Characterization for Air-to-Ground Communication Systems. *Ma, Z., +, TVT Nov. 2020 12418-12431*
- Improving Massive MIMO Message Passing Detectors With Deep Neural Network. *Tan, X., +, TVT Feb. 2020 1267-1280*
- Joint 3D Trajectory Design and Time Allocation for UAV-Enabled Wireless Power Transfer Networks. *Feng, W., +, TVT Sept. 2020 9265-9278*
- Joint Beamforming Design and Receive Antenna Selection for Large-Scale MIMO Wiretap Channels. *Tian, M., +, TVT March 2020 2716-2730*
- Joint Power and Subcarrier Allocation Optimization for Multigroup Multicast Systems With Rate Splitting. *Chen, H., +, TVT Feb. 2020 2306-2310*
- Joint Sparse Beamforming and Power Control for a Large-Scale DAS With Network-Assisted Full Duplex. *Xia, X., +, TVT July 2020 7569-7582*
- Max-Min QoS Power Control in Generalized Cell-Free Massive MIMO-NOMA With Optimal Backhaul Combining. *Nguyen, T.K., +, TVT Oct. 2020 10949-10964*
- Mobile Image Communications Using Deep Neural Networks for Heterogeneous User Devices in MIMO Channels. *Chang, S., +, TVT June 2020 6359-6373*
- Multi-Beam Index Modulation With Cooperative Legitimate Users Schemes Based on Frequency Diverse Array. *Qiu, B., +, TVT Oct. 2020 11028-11041*
- Multi-Panel Sparse Base Station Design With Physical Antenna Effects in Massive MU-MIMO. *Amani, N., +, TVT June 2020 6500-6510*
- Multi-User Linear Precoding in Massively Distributed Polarized Antenna Systems Under Imperfect CSIT. *Park, J., +, TVT May 2020 5268-5280*
- Multibeam Optimization for Joint Communication and Radio Sensing Using Analog Antenna Arrays. *Luo, Y., +, TVT Oct. 2020 11000-11013*
- Multicast Beamforming Optimization in Cloud-Based Heterogeneous Terrestrial and Satellite Networks. *Zhang, H., +, TVT Feb. 2020 1766-1776*
- Networking and Positioning Co-Design in Multi-Connectivity Industrial mmW Systems. *Rastorgueva-Foi, E., +, TVT Dec. 2020 15842-15856*
- On Uplink Performance of Multiuser Massive MIMO Relay Network With Limited RF Chains. *Xu, J., +, TVT Aug. 2020 8670-8683*
- Optimal Uplink Pilot-Data Power Allocation for Large-Scale Antenna Array-Aided OFDM Systems. *Guo, X., +, TVT Jan. 2020 428-442*
- Passive Radar at the Roadside Unit to Configure Millimeter Wave Vehicle-to-Infrastructure Links. *Ali, A., +, TVT Dec. 2020 14903-14917*
- Performance Analysis of Full-Duplex Massive MIMO Systems With Low-Resolution ADCs/DACs Over Rician Fading Channels. *Ding, Q., +, TVT July 2020 7389-7403*
- Performance Analysis of Hybrid Satellite-Terrestrial Cooperative Networks With Relay Selection. *Guo, K., +, TVT Aug. 2020 9053-9067*
- Physical Layer Security of QSTBC With Power Scaling in MIMO Wiretap Channels. *Chae, S.H., +, TVT May 2020 5647-5651*
- Pilot Assignment and Power Allocation for Multipair Massive MIMO DF Relaying Networks. *Ho, C.D., +, TVT July 2020 7379-7388*
- PLS-Based Secrecy Transmission for VANETs. *Song, H., +, TVT July 2020 7596-7608*
- Practical Hybrid Beamforming With Finite-Resolution Phase Shifters for Reconfigurable Intelligent Surface Based Multi-User Communications. *Di, B., +, TVT April 2020 4565-4570*
- Precoding Design and Optimization for Multi-Antenna Systems With Limited Feedback. *Zou, Y., TVT July 2020 7306-7316*
- Precoding Design and Power Control for SINR Maximization of MISO System With Nonlinear Power Amplifiers. *Jee, J., +, TVT Nov. 2020 14019-14024*
- Receive Beamforming and Resource Allocation for Wireless Powered Non-Orthogonal Multiple Access. *Lee, C., +, TVT April 2020 4563-4568*
- Secrecy Outage Analysis of Transmit Antenna Selection Assisted With Wireless Power Beacon. *Yan, P., +, TVT July 2020 7473-7482*
- Secrecy Performance of User and Antenna Selection With Channel Estimation Inaccuracy. *Lee, D., TVT April 2020 4533-4536*
- Secure Degrees of Freedom of Rank-Deficient BCCM and Rank-Deficient ICCM. *Wang, Q., +, TVT April 2020 4033-4041*
- Security Enhancement for NOMA-UAV Networks. *Zhao, N., +, TVT April 2020 3994-4005*
- Signed Quadrature Spatial Modulation for MIMO Systems. *Abu-Hudrouss, A.M., +, TVT March 2020 2740-2746*
- Space-Frequency Increment Index Modulation Approach for Fifth Generation and Beyond Wireless Communication Systems. *Nusenu, S.Y., +, TVT June 2020 6286-6298*
- Sparse Space-Time-Frequency-Domain Spreading for Large-Scale Non-Orthogonal Multiple Access. *Liu, Y., +, TVT Oct. 2020 12327-12332*
- Spatially Correlated Massive MIMO Relay Systems With Low-Resolution ADCs. *Dong, P., +, TVT June 2020 6541-6553*
- Spectral Efficient Resource Allocation for URLLC in Distributed Antenna Systems. *Hong, J., +, TVT Dec. 2020 15057-15067*
- Sum-Throughput Maximization Based on the Significance and Fairness of Sensors for Energy and Information Transfer in Virtual MIMO-WBAN. *Wang, T., +, TVT Nov. 2020 13400-13409*
- Throughput Maximization of a Hybrid EH-SWIPT Relay System Under Temperature Constraints. *Oshaghi, M., +, TVT Feb. 2020 1792-1801*

Transceiver Design for AF MIMO Relay Systems With a Power Splitting Based Energy Harvesting Relay Node. *Li, B.*, +, *TVT March 2020 2376-2388*

Transceiver Design for Simultaneous Wireless Information and Power Multicast in Multi-User mmWave MIMO System. *Yue, Q.*, +, *TVT Oct. 2020 11394-11407*

Truncated Tree Based Hybrid Beamforming for Multi-Panel MIMO. *Wang, W.*, +, *TVT Nov. 2020 13974-13978*

Uplink NOMA Random Access Systems With Space-Time Line Code. *Seo, J.*, +, *TVT April 2020 4522-4526*

User Grouping and Hybrid RF/Baseband Precoding for Multi-User Massive MIMO Systems. *Masmoudi, A.*, +, *TVT Oct. 2020 11308-11322*

Verification of the Random Line-of-Sight Measurement Setup at 1.5-3 GHz Including MIMO Throughput Measurements of a Complete Vehicle. *Kildal, M.S.*, +, *TVT Nov. 2020 13165-13179*

Wireless Powered Intelligent Reflecting Surfaces for Enhancing Wireless Communications. *Zou, Y.*, +, *TVT Oct. 2020 12369-12373*

Antenna feeds

A Reconfigurable Dual-Band Dual-Circularly Polarized Antenna for Vehicle Global Navigation Satellite System Application. *Xu, R.*, +, *TVT Oct. 2020 11857-11867*

A Tri-Polarized Antenna With Diverse Radiation Characteristics for 5G and V2X Communications. *Feng, B.*, +, *TVT Sept. 2020 10115-10126*

Analytical Estimation of Radiation Mode Radar Cross Section (RCS) of Phased Arrays. *Singh, A.*, +, *TVT June 2020 6415-6421*

Compact Filtering Patch Antenna Arrays for Marine Communications. *Liu, G.*, +, *TVT Oct. 2020 11408-11418*

Single-Layer Wideband End-Fire Dual-Polarized Antenna Array for Device-to-Device Communication in 5G Wireless Systems. *Li, A.*, +, *TVT May 2020 5142-5150*

Wideband Dual Circularly Polarized Antenna for Intelligent Transport Systems. *Wen, L.*, +, *TVT May 2020 5193-5202*

Antenna measurements

Calibration of Ray-Tracing With Diffuse Scattering Against 28-GHz Directional Urban Channel Measurements. *Charbonnier, R.*, +, *TVT Dec. 2020 14264-14276*

Experimentally Analyzing Diverse Antenna Placements and Orientations for UAV Communications. *Badi, M.*, +, *TVT Dec. 2020 14989-15004*

Networking and Positioning Co-Design in Multi-Connectivity Industrial mmW Systems. *Rastorgueva-Foi, E.*, +, *TVT Dec. 2020 15842-15856*

Antenna phased arrays

Handset Frame Blockage Reduction of 5G mm-Wave Phased Arrays Using Hard Surface Inspired Structure. *Rodriguez-Cano, R.*, +, *TVT Aug. 2020 8132-8139*

Optimal Beam Pattern Design for Hybrid Beamforming in Millimeter Wave Communications. *Wang, W.*, +, *TVT July 2020 7987-7991*

Antenna radiation patterns

A General and Systematic Method to Design Neutralization Lines for Isolation Enhancement in MIMO Antenna Arrays. *Li, M.*, +, *TVT June 2020 6242-6253*

A Novel Compact, Broadband, High Gain Millimeter-Wave Antenna for 5G Beam Steering Applications. *Ozpinar, H.*, +, *TVT March 2020 2389-2397*

A Reconfigurable Dual-Band Dual-Circularly Polarized Antenna for Vehicle Global Navigation Satellite System Application. *Xu, R.*, +, *TVT Oct. 2020 11857-11867*

A Tri-Polarized Antenna With Diverse Radiation Characteristics for 5G and V2X Communications. *Feng, B.*, +, *TVT Sept. 2020 10115-10126*

A Wideband Beamforming Antenna Array for 802.11ac and 4.9 GHz in Modern Transportation Market. *Tan, M.C.*, +, *TVT March 2020 2659-2670*

Analytical Estimation of Radiation Mode Radar Cross Section (RCS) of Phased Arrays. *Singh, A.*, +, *TVT June 2020 6415-6421*

Capacity and Outage of Terahertz Communications With User Micro-Mobility and Beam Misalignment. *Petrov, V.*, +, *TVT June 2020 6822-6827*

Compact Filtering Patch Antenna Arrays for Marine Communications. *Liu, G.*, +, *TVT Oct. 2020 11408-11418*

Dual-Band Dual-CP All-Metal Antenna With Large Signal Coverage and High Isolation Over Two Bands for Vehicular Communications. *Wang, S.*, +, *TVT Jan. 2020 1131-1135*

Experimental Study on the Impact of Antenna Characteristics on Non-Stationary V2I Channel Parameters in Tunnels. *Yusuf, M.*, +, *TVT Nov. 2020 12396-12407*

Experimentally Analyzing Diverse Antenna Placements and Orientations for UAV Communications. *Badi, M.*, +, *TVT Dec. 2020 14989-15004*

Handset Frame Blockage Reduction of 5G mm-Wave Phased Arrays Using Hard Surface Inspired Structure. *Rodriguez-Cano, R.*, +, *TVT Aug. 2020 8132-8139*

Interference Characterization and Power Optimization for Automotive Radar With Directional Antenna. *Chu, P.*, +, *TVT April 2020 3703-3716*

Single-Layer Wideband End-Fire Dual-Polarized Antenna Array for Device-to-Device Communication in 5G Wireless Systems. *Li, A.*, +, *TVT May 2020 5142-5150*

Wideband Dual Circularly Polarized Antenna for Intelligent Transport Systems. *Wen, L.*, +, *TVT May 2020 5193-5202*

Antenna theory

DOA Estimation via Sparse Signal Recovery in 4-D Linear Antenna Arrays With Optimized Time Sequences. *Yang, F.*, +, *TVT Jan. 2020 771-783*

Learning and Uncertainty-Exploited Directional Antenna Control for Robust Long-Distance and Broad-Band Aerial Communication. *Liu, M.*, +, *TVT Jan. 2020 593-606*

Simulation of Multiple-Antenna Terminal Performance in Massive MIMO Systems Based on Indoor Measurements. *Bengtsson, E.L.*, +, *TVT Jan. 2020 418-427*

Antennas

Capacity Analysis of Coordinated Multipoint Reception for mmWave Uplink With Blockages. *Maham, B.*, +, *TVT Dec. 2020 16299-16303*

Energy-Efficient Massive MIMO With Decentralized Precoder Design. *Zhang, S.*, +, *TVT Dec. 2020 15370-15384*

Frame Integrated Wideband Dual-Polarized Arrays for Mm-Wave/Sub-6-GHz Mobile Handsets and Its User Effects. *Li, H.*, +, *TVT Dec. 2020 14330-14340*

On NOMA-Based mmWave Communications. *Tian, Y.*, +, *TVT Dec. 2020 15398-15411*

On the Performance of MIMO Full-Duplex Relaying System With SWIPT Under Outdated CSI. *Hoang, T.M.*, +, *TVT Dec. 2020 15580-15593*

Seamless Mobility Under a Dedicated Distributed Antenna System for High-Speed Rail Networks. *Ali, W.*, +, *TVT Dec. 2020 15427-15441*

Spectral Efficiency Optimization and Interference Management for Multi-Hop D2D Communications in VANETs. *Yang, F.*, +, *TVT June 2020 6422-6436*

Stochastic Hybrid Combining Design for Quantized Massive MIMO Systems. *Wang, Y.*, +, *TVT Dec. 2020 16224-16229*

Systematic Beam Management in mmWave Networks: Tradeoff Among Beam Coverage, Link Budget, and Interference Control. *Ju, H.*, +, *TVT Dec. 2020 15325-15334*

Uplink Channel Estimation With Hardware Imperfections, Antenna Position Error and Channel Correlation for Nested and Linear Array Antennas. *Azam, M.A.*, +, *TVT Dec. 2020 15412-15426*

Aperture antennas

Convex Optimization-Based 2-D DOA Estimation With Enhanced Virtual Aperture and Virtual Snapshots Extension for L-Shaped Array. *Wu, R.*, +, *TVT June 2020 6473-6484*

Application specific integrated circuits

Stochastic Belief Propagation Polar Decoding With Efficient Re-Randomization. *Xu, M.*, +, *TVT June 2020 6771-6776*

Approximation algorithms

UAV-Enabled Secure Communication With Finite Blocklength. *Wang, Y.*, +, *TVT Dec. 2020 16309-16313*

Approximation theory

3D-MIMO Dual Communications in SCMA-Based Secure HetNets. *Abedi, M.R.*, +, *TVT Aug. 2020 8499-8513*

A Novelty in Blahut-Arimoto Type Algorithms: Optimal Control Over Noisy Communication Channels. *Zamanipour, M.*, *TVT June 2020 6348-6358*

A Simple Variational Bayes Detector for Orthogonal Time Frequency Space (OTFS) Modulation. *Yuan, W.*, +, *TVT July 2020 7976-7980*

Active Fault Diagnosis Method for Vehicles in Platoon Formation. *Lopes, A.*, +, *TVT April 2020 3590-3603*

- An Energy-Efficient Resource Allocation Scheme for SWIPT-NOMA Based Femtocells Users With Imperfect CSI. *Budhiraja, I.*, +, *TVT July 2020 7790-7805*
- Approximate Gram-Matrix Interpolation for Wideband Massive MU-MIMO Systems. *Jeon, C.*, +, *TVT May 2020 4677-4688*
- Autonomous PEV Charging Scheduling Using Dyna-Q Reinforcement Learning. *Wang, F.*, +, *TVT Nov. 2020 12609-12620*
- Balancing Coverage and Response Time in Area Target Scheduling for Satellite Networks. *He, L.*, +, *TVT June 2020 6848-6853*
- Beam Allocation for Millimeter-Wave MIMO Tracking Systems. *Zhang, D.*, +, *TVT Feb. 2020 1595-1611*
- Capacity Analysis of Device-to-Device mmWave Networks Under Transceiver Distortion Noise and Imperfect CSI. *Tlebaldiyeva, L.*, +, *TVT May 2020 5707-5712*
- Charge-and-Activate Policies for Targets Monitoring in RF-Harvesting Sensor Networks. *Fei, J.*, +, *TVT July 2020 7835-7846*
- Completion Time Minimization for Turning Angle-Constrained UAV-to-UAV Communications. *Wang, H.*, +, *TVT April 2020 4569-4574*
- Cooperative Caching and Transmission in CoMP-Integrated Cellular Networks Using Reinforcement Learning. *Lin, P.*, +, *TVT May 2020 5508-5520*
- Delay Minimization for Massive MIMO Assisted Mobile Edge Computing. *Zeng, M.*, +, *TVT June 2020 6788-6792*
- Delay Violation Probability and Effective Rate of Downlink NOMA Over α - μ Fading Channels. *Kumar, V.*, +, *TVT Oct. 2020 11241-11252*
- Dual-Iterative Hybrid Beamforming Design for Millimeter-Wave Massive Multi-User MIMO Systems With Sub-Connected Structure. *Zhang, Y.*, +, *TVT Nov. 2020 13482-13496*
- Dynamic Network Slicing and Resource Allocation in Mobile Edge Computing Systems. *Feng, J.*, +, *TVT July 2020 7863-7878*
- Efficient Sparse Code Multiple Access Decoder Based on Deterministic Message Passing Algorithm. *Zhang, C.*, +, *TVT April 2020 3562-3574*
- Energy Efficient UAV Communication With Energy Harvesting. *Yang, Z.*, +, *TVT Feb. 2020 1913-1927*
- Energy-Efficient and Secure Air-to-Ground Communication With Jittering UAV. *Wu, H.*, +, *TVT April 2020 3954-3967*
- Energy-Efficient Resource Allocation for High-Rate Underlay D2D Communications With Statistical CSI: A One-to-Many Strategy. *Li, R.*, +, *TVT April 2020 4006-4018*
- Energy-Saving Deployment Algorithms of UAV Swarm for Sustainable Wireless Coverage. *Zhang, X.*, +, *TVT Sept. 2020 10320-10335*
- Energy-Spectral Efficiency Optimization in Vehicular Communications: Joint Clustering and Pricing-Based Robust Power Control Approach. *Xie, Y.*, +, *TVT Nov. 2020 13673-13685*
- Importance-Aware Data Selection and Resource Allocation in Federated Edge Learning System. *He, Y.*, +, *TVT Nov. 2020 13593-13605*
- Information-Energy Region for SWIPT Networks in Mobility Scenarios. *Jiang, R.*, +, *TVT July 2020 7264-7280*
- Intelligent Reflecting Surface Aided MIMO Cognitive Radio Systems. *Zhang, L.*, +, *TVT Oct. 2020 11445-11457*
- Joint Power and Subcarrier Allocation Optimization for Multigroup Multicast Systems With Rate Splitting. *Chen, H.*, +, *TVT Feb. 2020 2306-2310*
- Joint Sparse Beamforming and Power Control for a Large-Scale DAS With Network-Assisted Full Duplex. *Xia, X.*, +, *TVT July 2020 7569-7582*
- Latency-Based Transmission Point Selection Algorithms in Wireless Networks. *Kim, E.*, +, *TVT Nov. 2020 14072-14077*
- Max-Min QoS Power Control in Generalized Cell-Free Massive MIMO-NOMA With Optimal Backhaul Combining. *Nguyen, T.K.*, +, *TVT Oct. 2020 10949-10964*
- Multicast Beamforming Optimization in Cloud-Based Heterogeneous Terrestrial and Satellite Networks. *Zhang, H.*, +, *TVT Feb. 2020 1766-1776*
- On Angular Sampling Intervals for Reconstructing Wideband Channel Spatial Profiles in Directional Scanning Measurements. *Fan, W.*, +, *TVT Nov. 2020 13910-13915*
- On the Distribution of the Sum of Málaga- \mathcal{M} Random Variables and Applications. *Illi, E.*, +, *TVT Nov. 2020 13996-14000*
- Online Computation Offloading and Traffic Routing for UAV Swarms in Edge-Cloud Computing. *Liu, B.*, +, *TVT Aug. 2020 8777-8791*
- Optimizing Weighted-Sum Energy Efficiency in Downlink and Uplink NOMA Systems. *Zamani, M.R.*, +, *TVT Oct. 2020 11112-11127*
- OQAM-OFDM Radar Approximated IRCI-Free Pulse Compression. *Shi, Q.*, +, *TVT Sept. 2020 10009-10018*
- Physical Layer Security of QSTBC With Power Scaling in MIMO Wiretap Channels. *Chae, S.H.*, +, *TVT May 2020 5647-5651*
- Power Allocation Based on Reinforcement Learning for MIMO System With Energy Harvesting. *Mu, X.*, +, *TVT July 2020 7622-7633*
- Power Allocation for Multiple User-Type Massive MIMO Systems. *Dao, H.T.*, +, *TVT Oct. 2020 10965-10974*
- Reinforcement Learning Based Cooperative Coded Caching Under Dynamic Popularities in Ultra-Dense Networks. *Gao, S.*, +, *TVT May 2020 5442-5456*
- Resource Allocation in Green Dense Cellular Networks: Complexity and Algorithms. *Mlika, Z.*, +, *TVT Feb. 2020 1994-2007*
- Spatial Modulation for Terahertz Communication Systems With Hardware Impairments. *Mao, T.*, +, *TVT April 2020 4553-4557*
- Spatially Correlated Massive MIMO Relay Systems With Low-Resolution ADCs. *Dong, P.*, +, *TVT June 2020 6541-6553*
- Trajectory Optimization for UAVs' Efficient Charging in Wireless Rechargeable Sensor Networks. *Wu, P.*, +, *TVT April 2020 4207-4220*
- UAV-Aided Wireless Communication Designs With Propulsion Energy Limitations. *Eom, S.*, +, *TVT Jan. 2020 651-662*
- UAV-Enabled Uplink Non-Orthogonal Multiple Access System: Joint Deployment and Power Control. *Lu, J.*, +, *TVT Sept. 2020 10090-10102*
- Array signal processing**
- A Deep Learning Framework for Hybrid Beamforming Without Instantaneous CSI Feedback. *Elbir, A.M.*, *TVT Oct. 2020 11743-11755*
- A Direct Position Determination Approach for Underwater Acoustic Sensor Networks. *Wang, L.*, +, *TVT Nov. 2020 13033-13044*
- A Fast Beam Alignment Scheme for Dual-Band HSR Wireless Networks. *Yan, L.*, +, *TVT April 2020 3968-3979*
- A Joint Iterative Optimal Resource Allocation Algorithm for Non-Orthogonal Multi-User and Multi-Weight Opportunistic Beamforming Systems. *Sun, W.*, +, *TVT March 2020 2864-2877*
- A Wideband Beamforming Antenna Array for 802.11ac and 4.9 GHz in Modern Transportation Market. *Tan, M.C.*, +, *TVT March 2020 2659-2670*
- A WLAN Uplink Collision-Resolving Scheme Using Multi-User Beamforming Technique. *Lee, Y.*, +, *TVT Oct. 2020 11042-11054*
- Achievable Rate Region of MISO Interference Channel Aided by Intelligent Reflecting Surface. *Huang, W.*, +, *TVT Dec. 2020 16264-16269*
- Adaptive Channel Prediction, Beamforming and Scheduling Design for 5G V2I Network: Analytical and Machine Learning Approaches. *Bogale, T.E.*, +, *TVT May 2020 5055-5067*
- Adaptive Perturbation-Aided Opportunistic Hybrid Beamforming for mmWave Systems. *Van Le, T.*, +, *TVT June 2020 6554-6562*
- Adaptive Sum of Markov Chains for Modelling 3D Blockage in mmWave V2I Communications. *Alsaleem, F.N.*, +, *TVT Sept. 2020 9431-9444*
- Attractor Selection Based Limited Feedback Hybrid Precoding for Uplink V2I Communications. *Ye, J.*, +, *TVT April 2020 3943-3953*
- Beamformed Radio Link Capacity Under Positioning Uncertainty. *Talvitie, J.*, +, *TVT Dec. 2020 16235-16240*
- Beamformer Design for Physical Layer Security in Dual-Polarized Millimeter Wave Channels. *Song, J.*, +, *TVT Oct. 2020 12306-12311*
- Beamwidth Design for Beam Scanning in Millimeter-Wave Cellular Networks. *Fan, J.*, +, *TVT Jan. 2020 1111-1116*
- Capacity Analysis of Device-to-Device mmWave Networks Under Transceiver Distortion Noise and Imperfect CSI. *Tlebaldiyeva, L.*, +, *TVT May 2020 5707-5712*
- Channel Estimation and Hybrid Precoding for Distributed Phased Arrays Based MIMO Wireless Communications. *Zhang, Y.*, +, *TVT Nov. 2020 12921-12937*
- Cloud and Edge Multicast Beamforming for Cache-Enabled Ultra-Dense Networks. *Huang, W.*, +, *TVT March 2020 3481-3485*

- Coherent Communications in Self-Organizing Networks With Distributed Beamforming. *Shi, Y.*, +, *TVT Jan. 2020* 760-770
- Complex ResNet Aided DoA Estimation for Near-Field MIMO Systems. *Cao, Y.*, +, *TVT Oct. 2020* 11139-11151
- Convex Optimization-Based 2-D DOA Estimation With Enhanced Virtual Aperture and Virtual Snapshots Extension for L-Shaped Array. *Wu, R.*, +, *TVT June 2020* 6473-6484
- Coordinated Multiple Access Point Multiuser Beamforming Training Protocol for Millimeter Wave WLANs. *Shen, L.*, +, *TVT Nov. 2020* 13875-13889
- Correlation-Based Cooperative Jamming to Enhance Secrecy With Receiver-Side Correlation. *Xu, S.*, +, *TVT Feb. 2020* 1903-1912
- Covert Communication Using Null Space and 3D Beamforming: Uncertainty of Willie's Location Information. *Forouzes, M.*, +, *TVT Aug. 2020* 8568-8576
- Delay-Constrained Beamforming and Resource Allocation in Full Duplex Systems. *Kabir, M.T.*, +, *TVT March 2020* 3476-3480
- Design and Analysis of Multi-User Association and Beam Training Schemes for Millimeter Wave Based WLANs. *Shen, L.*, +, *TVT July 2020* 7458-7472
- Distributed Beamforming in the Presence of Adversaries. *Kong, J.*, +, *TVT Sept. 2020* 9682-9696
- DOA Estimation for Coherent Signals With Improved Sparse Representation in the Presence of Unknown Spatially Correlated Gaussian Noise. *Fang, Y.*, +, *TVT Sept. 2020* 10059-10069
- Dual-Iterative Hybrid Beamforming Design for Millimeter-Wave Massive Multi-User MIMO Systems With Sub-Connected Structure. *Zhang, Y.*, +, *TVT Nov. 2020* 13482-13496
- Efficient DOA Estimation Method Using Bias-Compensated Adaptive Filtering. *Liu, C.*, +, *TVT Nov. 2020* 13087-13097
- Efficient Hybrid Beamforming With Anti-Blockage Design for High-Speed Railway Communications. *Gao, M.*, +, *TVT Sept. 2020* 9643-9655
- Energy-Efficient Analog Combiner Design Using Low-Resolution Phase Shifters and Antenna Selection for mmWave D2D Communications. *Chen, J.*, *TVT Nov. 2020* 13979-13984
- Energy-Efficient and Secure Air-to-Ground Communication With Jittering UAV. *Wu, H.*, +, *TVT April 2020* 3954-3967
- Energy-Efficient Design of IRS-NOMA Networks. *Fang, F.*, +, *TVT Nov. 2020* 14088-14092
- Enhancing Misbehavior Detection in 5G Vehicle-to-Vehicle Communications. *Nguyen, V.*, +, *TVT Sept. 2020* 9417-9430
- Fast Adaptive Minorization-Maximization Procedure for Beamforming Design of Downlink NOMA Systems. *Lyons, O.*, +, *TVT July 2020* 8023-8027
- Fast Beam Training Architecture for Hybrid mmWave Transceivers. *Yang, J.*, +, *TVT March 2020* 2700-2715
- Fast Beamforming Design via Deep Learning. *Huang, H.*, +, *TVT Jan. 2020* 1065-1069
- Fast Specific Absorption Rate Aware Beamforming for Downlink SWIPT via Deep Learning. *Zhang, J.*, +, *TVT Dec. 2020* 16178-16182
- FFR Based Joint 3D Beamforming Interference Coordination for Multi-Cell FD-MIMO Downlink Transmission Systems. *Li, X.*, +, *TVT March 2020* 3105-3118
- Frequency Synchronization With Beamforming Network Optimization for Uplink Massive MIMO Systems. *Feng, Y.*, +, *TVT March 2020* 3486-3490
- Full-Duplex Non-Orthogonal Multiple Access Cooperative Spectrum-Sharing Networks With Non-Linear Energy Harvesting. *Hakimi, A.*, +, *TVT Oct. 2020* 10925-10936
- Heterophasic Binaural Differential Beamforming for Speech Intelligibility Improvement. *Jin, J.*, +, *TVT Nov. 2020* 13497-13509
- High-Resolution Angle-of-Arrival and Channel Estimation for mmWave Massive MIMO Systems With Lens Antenna Array. *Dong, F.*, +, *TVT Nov. 2020* 12963-12973
- Hybrid Analog-Digital Beamforming Design for SE and EE Maximization in Massive MIMO Networks. *Ardah, K.*, +, *TVT Jan. 2020* 377-389
- Hybrid Beamforming for mmWave Massive MIMO Systems Employing DFT-Assisted User Clustering. *Soleimani, M.*, +, *TVT Oct. 2020* 11646-11658
- Hybrid Beamforming for Multi-User Millimeter-Wave Networks. *Nasir, A.A.*, +, *TVT March 2020* 2943-2956
- Hybrid Beamforming With Variable RF Attenuator for Multi-User mmWave Systems. *Lee, J.*, +, *TVT Aug. 2020* 9131-9134
- Hybrid Beamforming/Combining for Millimeter Wave MIMO: A Machine Learning Approach. *Chen, J.*, +, *TVT Oct. 2020* 11353-11368
- Impact of Intra-Cluster Angular Spread on the Performance of NLoS Millimeter Wave Links With Imperfect Beam Alignment. *Kutty, S.*, +, *TVT Feb. 2020* 1813-1827
- Improper Gaussian Signaling for Computationally Tractable Energy and Information Beamforming. *Yu, H.*, +, *TVT Nov. 2020* 13990-13995
- Improved De-Multipath Neural Network Models With Self-Paced Feature-to-Feature Learning for DOA Estimation in Multipath Environment. *Xiang, H.*, +, *TVT May 2020* 5068-5078
- Intelligent Reflecting Surface-Assisted Millimeter Wave Communications: Joint Active and Passive Precoding Design. *Wang, P.*, +, *TVT Dec. 2020* 14960-14973
- Joint 2D-DOD, 2D-DOA, and Polarization Angles Estimation for Bistatic EMVS-MIMO Radar via PARAFAC Analysis. *Wen, F.*, +, *TVT Feb. 2020* 1626-1638
- Joint Beamforming Design and Receive Antenna Selection for Large-Scale MIMO Wiretap Channels. *Tian, M.*, +, *TVT March 2020* 2716-2730
- Joint Energy-Efficient Power Allocation and Beamforming for Uplink mmWave-NOMA System. *Yu, X.*, +, *TVT Oct. 2020* 12291-12295
- Joint Long-Term Admission Control and Beamforming in Green Downlink Networks: Offline and Online Approaches. *Lin, J.*, +, *TVT Aug. 2020* 8710-8724
- Joint Modulation and Beamforming for MIMO Systems With 1-b DACs. *Han, Y.*, +, *TVT Jan. 2020* 1075-1079
- Joint Power Allocation and Beamforming for Overlaid Secrecy Transmissions in MIMO-OFDM Channels. *Yuan, C.*, +, *TVT Sept. 2020* 10019-10032
- Joint Power and Subcarrier Allocation Optimization for Multigroup Multicast Systems With Rate Splitting. *Chen, H.*, +, *TVT Feb. 2020* 2306-2310
- Joint Sparse Beamforming and Power Control for a Large-Scale DAS With Network-Assisted Full Duplex. *Xia, X.*, +, *TVT July 2020* 7569-7582
- Joint Uplink/Downlink Discrete Sum Rate Maximization for Full-Duplex Multicell Heterogeneous Networks. *Li, Q.*, +, *TVT March 2020* 2758-2770
- Low-Complexity Beam Training for 5G Millimeter-Wave Massive MIMO Systems. *Wu, W.*, +, *TVT Jan. 2020* 361-376
- Low-Complexity Multicast Beamforming for Millimeter Wave Communications. *Li, Z.*, +, *TVT Oct. 2020* 12317-12320
- Machine Learning Enabling Analog Beam Selection for Concurrent Transmissions in Millimeter-Wave V2V Communications. *Yang, Y.*, +, *TVT Aug. 2020* 9185-9189
- Mobility and Blockage-Aware Communications in Millimeter-Wave Vehicular Networks. *Hussain, M.*, +, *TVT Nov. 2020* 13072-13086
- Multi-Beam Index Modulation With Cooperative Legitimate Users Schemes Based on Frequency Diverse Array. *Qiu, B.*, +, *TVT Oct. 2020* 11028-11041
- Multi-Beam Multiplexing Design for Arbitrary Directions Based on the Interleaved Subarray Architecture. *Zhang, J.*, +, *TVT Oct. 2020* 11220-11232
- Multi-Beam NOMA for Millimeter-Wave Massive MIMO With Lens Antenna Array. *Liu, P.*, +, *TVT Oct. 2020* 11570-11583
- Multi-Panel Sparse Base Station Design With Physical Antenna Effects in Massive MU-MIMO. *Amani, N.*, +, *TVT June 2020* 6500-6510
- Multibeam Optimization for Joint Communication and Radio Sensing Using Analog Antenna Arrays. *Luo, Y.*, +, *TVT Oct. 2020* 11000-11013
- Multicast Beamforming Optimization in Cloud-Based Heterogeneous Terrestrial and Satellite Networks. *Zhang, H.*, +, *TVT Feb. 2020* 1766-1776
- Multiojective Beamforming Power Control for Robust SINR Target Tracking and Power Efficiency in Multicell MU-MIMO Wireless System. *Chen, W.*, +, *TVT June 2020* 6200-6214
- New Efficient Transmission Technique for HetNets With Massive MIMO Wireless Backhaul. *Hamdi, R.*, +, *TVT Jan. 2020* 663-675
- Non-Coherent Massive MIMO-OFDM Down-Link Based on Differential Modulation. *Chen-Hu, K.*, +, *TVT Oct. 2020* 11281-11294

- On Distance Statistics of First Arriving Multi-Paths in Indoor mm-Wave Communications. *R. T., R., +, TVT Dec. 2020 16218-16223*
- On Optimal Beamforming Design for Downlink MISO NOMA Systems. *Zhu, J., +, TVT March 2020 3008-3020*
- On the Performance Analysis of mmWave MIMO-NOMA Transmission Scheme. *Aghdam, M.R.G., +, TVT Oct. 2020 11491-11500*
- On the Physical Layer Security of Millimeter Wave NOMA Networks. *Huang, S., +, TVT Oct. 2020 11697-11711*
- Optimal Beam Pattern Design for Hybrid Beamforming in Millimeter Wave Communications. *Wang, W., +, TVT July 2020 7987-7991*
- Optimal Detection of UAV's Transmission With Beam Sweeping in Covert Wireless Networks. *Hu, J., +, TVT Jan. 2020 1080-1085*
- Optimal Pilot Power Based Channel Estimation Improves the Throughput of Intelligent Reflective Surface Assisted Systems. *An, J., +, TVT Dec. 2020 16202-16206*
- Optimizing Weighted-Sum Energy Efficiency in Downlink and Uplink NOMA Systems. *Zamani, M.R., +, TVT Oct. 2020 11112-11127*
- Outage Analysis for MISO Zero-Forcing Precoding With Outdated CSI. *Liu, G., +, TVT Aug. 2020 9152-9156*
- Outage Performance Analysis of Two-Way Full-Duplex DF Relaying Networks With Beamforming. *Lee, J., +, TVT Aug. 2020 8753-8763*
- Oversampling Based Analog Beamforming for Initial Access With a Large Number of Receive Antennas. *Wang, X., +, TVT Aug. 2020 8613-8626*
- Peak Extraction Passive Source Localization Using a Single Hydrophone in Shallow Water. *Zhang, T., +, TVT March 2020 3412-3423*
- Performance Analysis and Enhancement of Beamforming Training in 802.11ad. *Wu, W., +, TVT May 2020 5293-5306*
- Performance Analysis of Hybrid Beamforming Precoders for Multiuser Millimeter Wave NOMA Systems. *Badrudeen, A.A., +, TVT Aug. 2020 8739-8752*
- PLS-Based Secrecy Transmission for VANETs. *Song, H., +, TVT July 2020 7596-7608*
- Polarization and Frequency-Selective Surface for Vehicular Beamforming Communications Requiring Near-Zero Profile. *Youn, Y., +, TVT Feb. 2020 1719-1726*
- Power Minimization for Secure Multi-User MISO NOMA System With Energy Harvesting. *Zhou, J., +, TVT Sept. 2020 10046-10058*
- Practical Hybrid Beamforming With Finite-Resolution Phase Shifters for Reconfigurable Intelligent Surface Based Multi-User Communications. *Di, B., +, TVT April 2020 4565-4570*
- QoE-Driven Transmission-Aware Cache Placement and Cooperative Beamforming Design in Cloud-RANs. *Sun, R., +, TVT Jan. 2020 636-650*
- Receive Beamforming and Resource Allocation for Wireless Powered Non-Orthogonal Multiple Access. *Lee, C., +, TVT April 2020 4563-4568*
- Robust Secure Beamforming for SWIPT-Aided Relay Systems With Full-Duplex Receiver and Imperfect CSI. *Li, X., +, TVT Feb. 2020 1867-1878*
- Secure Beamforming and Jamming for Multibeam Satellite Systems With Correlated Wiretap Channels. *Cui, G., +, TVT Oct. 2020 12348-12353*
- Security Enhancement for NOMA-UAV Networks. *Zhao, N., +, TVT April 2020 3994-4005*
- Simultaneous Wireless Content and Power Transfer in F-RAN: Caching, eRRH Classification and Beamforming. *Hu, J., +, TVT Nov. 2020 12992-13004*
- Single Far-Field or Near-Field Source Localization With Sparse or Uniform Cross Array. *Wu, X., +, TVT Aug. 2020 9135-9139*
- Single-Anchor Two-Way Localization Bounds for 5G mmWave Systems. *Abu-Shaban, Z., +, TVT June 2020 6388-6400*
- Spatial Resource Management in LEO Satellite. *Ivanov, A., +, TVT Dec. 2020 15623-15632*
- Spatial Spectrum Estimation of Incoherently Distributed Sources Based on Low-Rank Matrix Recovery. *Li, J., +, TVT June 2020 6333-6347*
- Stochastic Geometry Based Performance Characterization of SWIPT in Cell-Free Massive MIMO. *Kusaladharma, S., +, TVT Nov. 2020 13357-13370*
- Sub-Channel Allocation for Full-Duplex Access and Device-to-Device Links Underlying Heterogeneous Cellular Networks Using Coalition Formation Games. *Chen, Y., +, TVT Sept. 2020 9736-9749*
- Sum-Rate Maximization of Multicell MISO Networks With Limited Information Exchange. *Kim, Y., +, TVT July 2020 7247-7263*
- Suppression of Mainbeam Deceptive Jammer With FDA-MIMO Radar. *Lan, L., +, TVT Oct. 2020 11584-11598*
- Systematic Beam Management in mmWave Networks: Tradeoff Among Beam Coverage, Link Budget, and Interference Control. *Ju, H., +, TVT Dec. 2020 15325-15334*
- Throughput Maximization With Rate-Dependent Power Consumption in Battery-Limited Multiuser Networks. *Zhao, J., +, TVT Jan. 2020 1141-1146*
- Transceiver Design for Simultaneous Wireless Information and Power Multicast in Multi-User mmWave MIMO System. *Yue, Q., +, TVT Oct. 2020 11394-11407*
- Truncated Tree Based Hybrid Beamforming for Multi-Panel MIMO. *Wang, W., +, TVT Nov. 2020 13974-13978*
- UAV Beam Alignment for Highly Mobile Millimeter Wave Communications. *Zhang, W., +, TVT Aug. 2020 8577-8585*
- UAV-Assisted Cooperative Communications With Time-Sharing Information and Power Transfer. *Yin, S., +, TVT Feb. 2020 1554-1567*
- UAV-Enabled Secure Communications by Multi-Agent Deep Reinforcement Learning. *Zhang, Y., +, TVT Oct. 2020 11599-11611*
- User Grouping and Hybrid RF/Baseband Precoding for Multi-User Massive MIMO Systems. *Masmoudi, A., +, TVT Oct. 2020 11308-11322*
- When to Realign the Receive Beam in High Mobility V2X Communications?. *Kang, Y., +, TVT Nov. 2020 13180-13195*
- Wireless Powered Intelligent Reflecting Surfaces for Enhancing Wireless Communications. *Zou, Y., +, TVT Oct. 2020 12369-12373*
- Arrays**
- Performance of Joint Sensing-Communication Cooperative Sensing UAV Network. *Chen, X., +, TVT Dec. 2020 15545-15556*
- Uplink Channel Estimation With Hardware Imperfections, Antenna Position Error and Channel Correlation for Nested and Linear Array Antennas. *Azam, M.A., +, TVT Dec. 2020 15412-15426*
- Artificial intelligence**
- An Adaptive Computation Offloading Mechanism for Mobile Health Applications. *Dai, S., +, TVT Jan. 2020 998-1007*
- Carpool for Big Data: Enabling Efficient Crowd Cooperation in Data Market for Pervasive AI. *Shi, Q., +, TVT July 2020 7778-7789*
- FPGA Implementation of Real-Time Pedestrian Detection Using Normalization-Based Validation of Adaptive Features Clustering. *Li, T., +, TVT Sept. 2020 9330-9341*
- Hybrid Beamforming/Combining for Millimeter Wave MIMO: A Machine Learning Approach. *Chen, J., +, TVT Oct. 2020 11353-11368*
- Velocity-Free Localization of Autonomous Driverless Vehicles in Underground Intelligent Mines. *Dong, L., +, TVT Sept. 2020 9292-9303*
- Asphalt**
- Racecar Longitudinal Control in Unknown and Highly-Varying Driving Conditions. *Pedone, S., +, TVT Nov. 2020 12521-12535*
- Asymptotic stability**
- Asymptotic Stabilization of USVs With Actuator Dead-Zones and Yaw Constraints Based on Fixed-Time Disturbance Observer. *Guo, G., +, TVT Jan. 2020 302-316*
- Estimation of Transmission Input&Output Shaft Torque and Drive Wheel Speed for Compound Power Split Powertrain Based on Unknown Input Observer. *Li, M., +, TVT May 2020 4883-4893*
- Nonlinear Motion Control for a Quadrotor Transporting a Cable-Suspended Payload. *Lv, Z., +, TVT Aug. 2020 8192-8206*
- Robust Observer Based Intermittent Forces Estimation for Driver Intervention Identification. *Huang, C., +, TVT April 2020 3628-3640*
- Route Planning and Power Management for PHEVs With Reinforcement Learning. *Zhang, Q., +, TVT May 2020 4751-4762*
- Atmospheric measurements**
- A Densely-Deployed, High Sampling Rate, Open-Source Air Pollution Monitoring WSN. *Montrucchio, B., +, TVT Dec. 2020 15786-15799*

A Novel Atmosphere-Informed Data-Driven Predictive Channel Modeling for B5G/6G Satellite-Terrestrial Wireless Communication Systems at Q-Band. *Bai, L., +, TVT Dec. 2020 14225-14237*

Atmospheric modeling

A Novel Atmosphere-Informed Data-Driven Predictive Channel Modeling for B5G/6G Satellite-Terrestrial Wireless Communication Systems at Q-Band. *Bai, L., +, TVT Dec. 2020 14225-14237*

Analyzing the Impact of Molecular Re-Radiation on the MIMO Capacity in High-Frequency Bands. *Hoseini, S.A., +, TVT Dec. 2020 15458-15471*

Atmospheric turbulence

On the Performance Analysis of Higher Order QAM Schemes Over Mixed RF/FSO Systems. *Singya, P.K., +, TVT July 2020 7366-7378*

Attenuation

A Novel Atmosphere-Informed Data-Driven Predictive Channel Modeling for B5G/6G Satellite-Terrestrial Wireless Communication Systems at Q-Band. *Bai, L., +, TVT Dec. 2020 14225-14237*

Analyzing the Impact of Molecular Re-Radiation on the MIMO Capacity in High-Frequency Bands. *Hoseini, S.A., +, TVT Dec. 2020 15458-15471*

Short-Frame Fountain Code for Plasma Sheath With "Communication Windows". *Zhang, H., +, TVT Dec. 2020 15569-15579*

Systematic Beam Management in mmWave Networks: Tradeoff Among Beam Coverage, Link Budget, and Interference Control. *Ju, H., +, TVT Dec. 2020 15325-15334*

Attitude control

Nonlinear Motion Control for a Quadrotor Transporting a Cable-Suspended Payload. *Lv, Z., +, TVT Aug. 2020 8192-8206*

Robust Time-Varying Formation Control for a Set of Quad-Copters With Switching Interaction Communication Topology. *Liu, H., +, TVT July 2020 6880-6890*

Attitude measurement

A Calibration Method of USBL Installation Error Based on Attitude Determination. *Zhu, Y., +, TVT Aug. 2020 8317-8328*

Four-Element Array for GNSS Attitude Determination Using IRLS: An Improved Rounding of Long-Short Baseline Approach. *Li, Y., +, TVT May 2020 4920-4934*

Reconciliation Problem in Polar Integrated Navigation Considering Coordinate Frame Transformation. *Sun, J., +, TVT Sept. 2020 10375-10379*

Augmented reality

Edge-Facilitated Augmented Vision in Vehicle-to-Everything Networks. *Zhou, P., +, TVT Oct. 2020 12187-12201*

Novel QoS-Guaranteed Orchestration Scheme for Energy-Efficient Mobile Augmented Reality Applications in Multi-Access Edge Computing. *Ahn, J., +, TVT Nov. 2020 13631-13645*

Australia

A Joint Scheduling and Power Control Scheme for Hybrid I2V/V2V Networks. *Nguyen, B.L., +, TVT Dec. 2020 15668-15681*

Authentication

A Lightweight Authentication and Attestation Scheme for In-Transit Vehicles in IoV Scenario. *Alladi, T., +, TVT Dec. 2020 14188-14197*

Certificateless and Lightweight Authentication Scheme for Vehicular Communication Networks. *Hathal, W., +, TVT Dec. 2020 16110-16125*

SecAuthUAV: A Novel Authentication Scheme for UAV-Ground Station and UAV-UAV Communication. *Alladi, T., +, TVT Dec. 2020 15068-15077*

Authorization

A Secure and Verifiable Data Sharing Scheme Based on Blockchain in Vehicular Social Networks. *Fan, K., +, TVT June 2020 5826-5835*

An Identity Management and Authentication Scheme Based on Redactable Blockchain for Mobile Networks. *Xu, J., +, TVT June 2020 6688-6698*

Blockchain Empowered Cooperative Authentication With Data Traceability in Vehicular Edge Computing. *Liu, H., +, TVT April 2020 4221-4232*

DAPA: A Decentralized, Accountable, and Privacy-Preserving Architecture for Car Sharing Services. *Huang, C., +, TVT May 2020 4869-4882*

FBIA: A Fog-Based Identity Authentication Scheme for Privacy Preservation in Internet of Vehicles. *Song, L., +, TVT May 2020 5403-5415*

Gait Learning Based Authentication for Intelligent Things. *Zhang, H., +, TVT April 2020 4450-4459*

Lightweight and Privacy-Preserving ID-as-a-Service Provisioning in Vehicular Cloud Computing. *Yao, Y., +, TVT Feb. 2020 2185-2194*

On the Design of Conditional Privacy Preserving Batch Verification-Based Authentication Scheme for Internet of Vehicles Deployment. *Sutrala, A.K., +, TVT May 2020 5535-5548*

Privacy-Preserving Authentication Scheme for Connected Electric Vehicles Using Blockchain and Zero Knowledge Proofs. *Gabay, D., +, TVT June 2020 5760-5772*

Securing SOME/IP for In-Vehicle Service Protection. *Iorio, M., +, TVT Nov. 2020 13450-13466*

Transparent AAA Security Design for Low-Latency MEC-Integrated Cellular Networks. *Li, C., +, TVT March 2020 3231-3243*

Trust Management Scheme Based on Hybrid Cryptography for Secure Communications in VANETs. *Tangade, S., +, TVT May 2020 5232-5243*

TrustAccess: A Trustworthy Secure Ciphertext-Policy and Attribute Hiding Access Control Scheme Based on Blockchain. *Gao, S., +, TVT June 2020 5784-5798*

Tsarray: An Intelligent Access Control System Using Backscatter Communication. *Chen, Y., +, TVT Nov. 2020 13821-13835*

Automatic gain control

A Compact Millimeter-Wave Frequency Conversion SOP (System on Package) Module Based on LTCC Technology. *Zhou, L., +, TVT June 2020 5923-5932*

Automatic repeat request

Achievable Diversity Order of HARQ-Aided Downlink NOMA Systems. *Shi, Z., +, TVT Jan. 2020 471-487*

An Applicable Repeated Transmission for Low Latency and Reliable Services. *Kim, E., +, TVT Aug. 2020 8468-8482*

Average Age of Information in Short Packet Based Machine Type Communication. *Yu, B., +, TVT Sept. 2020 10306-10319*

Energy Optimization For Hybrid ARQ With Turbo Coding: Rate Adaptation and Allocation. *Zhang, B., +, TVT Oct. 2020 11338-11352*

Throughput Analysis of Low-Latency IoT Systems With QoS Constraints and Finite Blocklength Codes. *Hu, Y., +, TVT March 2020 3093-3104*

Automobile industry

Data-Driven Identification of Characteristic Real-Driving Cycles Based on k-Means Clustering and Mixed-Integer Optimization. *Forster, D., +, TVT March 2020 2398-2410*

Design and Modeling of Energy Efficient Dual Clutch Transmission With Ball-Ramp Self-Energizing Mechanism. *Kim, D., +, TVT March 2020 2525-2536*

Forecasts of Electric Vehicle Energy Consumption Based on Characteristic Speed Profiles and Real-Time Traffic Data. *Morlock, F., +, TVT Feb. 2020 1404-1418*

Power Flow Simulation in the Product Development Process of Modern Vehicular DC Distribution Systems. *Mantilla-Perez, P., +, TVT May 2020 5025-5040*

Automobiles

An Analysis of the Tradeoff Between Fuel Consumption and Ride Comfort for the Pulse and Glide Driving Strategy. *Sohn, C., +, TVT July 2020 7223-7233*

An Edge Computing Based Public Vehicle System for Smart Transportation. *Lin, J., +, TVT Nov. 2020 12635-12651*

Can Charging Infrastructure Used Only by Electric Taxis Be Profitable? A Case Study From Karlsruhe, Germany. *Funke, S.A., +, TVT June 2020 5933-5944*

Data-Driven Identification of Characteristic Real-Driving Cycles Based on k-Means Clustering and Mixed-Integer Optimization. *Forster, D., +, TVT March 2020 2398-2410*

Energy-Optimal Adaptive Cruise Control for Electric Vehicles Based on Linear and Nonlinear Model Predictive Control. *Jia, Y., +, TVT Dec. 2020 14173-14187*

Impact of Big Vehicle Shadowing on Vehicle-to-Vehicle Communications. *Nguyen, H., +, TVT July 2020 6902-6915*

Multi-Layer Event-Based Vehicle-to-Grid (V2G) Scheduling With Short Term Predictive Capability Within a Modular Aggregator Control Structure. *Krueger, H., +, TVT May 2020 4727-4739*

Multi-Path Deep CNNs for Fine-Grained Car Recognition. *Wang, H., +, TVT Oct. 2020 10484-10493*

- On Extracting Regular Travel Behavior of Private Cars Based on Trajectory Data Analysis. *Xiao, Z., +, TVT Dec. 2020 14537-14549*
- Personalized Adaptive Cruise Control Based on Online Driving Style Recognition Technology and Model Predictive Control. *Gao, B., +, TVT Nov. 2020 12482-12496*
- Racecar Longitudinal Control in Unknown and Highly-Varying Driving Conditions. *Pedone, S., +, TVT Nov. 2020 12521-12535*
- SAIDuCANT: Specification-Based Automotive Intrusion Detection Using Controller Area Network (CAN) Timing. *Olufowobi, H., +, TVT Feb. 2020 1484-1494*
- Self-Adaptive Hyper-Heuristic Markov Chain Evolution for Generating Vehicle Multi-Parameter Driving Cycles. *Zhang, M., +, TVT June 2020 6041-6052*
- Sensor Fault Detection and Isolation Using a Support Vector Machine for Vehicle Suspension Systems. *Jeong, K., +, TVT April 2020 3852-3863*
- Supervised Parameter Estimation for Road Vehicles, Mitigating Powertrain Induced Uncertainty. *Wragge-Morley, R., +, TVT July 2020 7000-7013*
- Torque Vectoring Algorithm of Electronic-Four-Wheel Drive Vehicles for Enhancement of Cornering Performance. *Park, G., +, TVT April 2020 3668-3679*
- Vehicle Type Recognition From Surveillance Data Based on Deep Active Learning. *Ding, X., +, TVT March 2020 2477-2486*
- Automotive components**
- Comparison of Anti-Jerk Controllers for Electric Vehicles With On-Board Motors. *Scamacio, A., +, TVT Oct. 2020 10681-10699*
- Data-Driven Identification of Characteristic Real-Driving Cycles Based on k-Means Clustering and Mixed-Integer Optimization. *Forster, D., +, TVT March 2020 2398-2410*
- Optimal Coordinated Control of ARS and DYC for Four-Wheel Steer and In-Wheel Motor Driven Electric Vehicle With Unknown Tire Model. *Wang, Q., +, TVT Oct. 2020 10809-10819*
- Automotive electronics**
- Ensuring Safety and Security in CAN-Based Automotive Embedded Systems: A Combination of Design Optimization and Secure Communication. *Mun, H., +, TVT July 2020 7078-7091*
- Fuel Minimization of the Electric Engine Cooling System With Active Grille Shutter by Iterative Quadratic Programming. *Feng, L., +, TVT March 2020 2621-2635*
- Highly Efficient Authentication for CAN by Identifier Reallocation With Ordered CMACs. *Groza, B., +, TVT June 2020 6129-6140*
- Inter-Vehicle Distance Estimation Method Based on Monocular Vision Using 3D Detection. *Zhe, T., +, TVT May 2020 4907-4919*
- MAuth-CAN: Masquerade-Attack-Proof Authentication for In-Vehicle Networks. *Jo, H.J., +, TVT Feb. 2020 2204-2218*
- Power Flow Simulation in the Product Development Process of Modern Vehicular DC Distribution Systems. *Mantilla-Perez, P., +, TVT May 2020 5025-5040*
- SEDAN: Security-Aware Design of Time-Critical Automotive Networks. *Kukkala, V.K., +, TVT Aug. 2020 9017-9030*
- Automotive engineering**
- Cross-Type Transfer for Deep Reinforcement Learning Based Hybrid Electric Vehicle Energy Management. *Lian, R., +, TVT Aug. 2020 8367-8380*
- Formal Verification and Performance Analysis of a New Data Exchange Protocol for Connected Vehicles. *Chouali, S., +, TVT Dec. 2020 15385-15397*
- Autonomous aerial vehicles**
- auSense*: Collaborative Airspace Sensing by Commercial Airplanes and Unmanned Aerial Vehicles. *Pan, Y., +, TVT June 2020 5995-6010*
- A Distributed Framework for Energy Trading Between UAVs and Charging Stations for Critical Applications. *Hassija, V., +, TVT May 2020 5391-5402*
- A Two-Stage Game Framework to Secure Transmission in Two-Tier UAV Networks. *Xu, M., +, TVT Nov. 2020 13728-13740*
- A Wideband Non-Stationary Air-to-Air Channel Model for UAV Communications. *Ma, Z., +, TVT Feb. 2020 1214-1226*
- Age of Information Aware Trajectory Planning of UAVs in Intelligent Transportation Systems: A Deep Learning Approach. *Samir, M., +, TVT Nov. 2020 12382-12395*
- An Efficient Privacy-Preserving Authenticated Key Agreement Scheme for Edge-Assisted Internet of Drones. *Gope, P., +, TVT Nov. 2020 13621-13630*
- Autonomous Tracking Using a Swarm of UAVs: A Constrained Multi-Agent Reinforcement Learning Approach. *Chen, Y., +, TVT Nov. 2020 13702-13717*
- Beyond D2D: Full Dimension UAV-to-Everything Communications in 6G. *Zhang, S., +, TVT June 2020 6592-6602*
- Caching Placement and Resource Allocation for Cache-Enabling UAV NOMA Networks. *Zhang, T., +, TVT Nov. 2020 12897-12911*
- Coarse Trajectory Design for Energy Minimization in UAV-Enabled. *Tran, D., +, TVT Sept. 2020 9483-9496*
- Completion Time Minimization for Turning Angle-Constrained UAV-to-UAV Communications. *Wang, H., +, TVT April 2020 4569-4574*
- Computation-Efficient Offloading and Trajectory Scheduling for Multi-UAV Assisted Mobile Edge Computing. *Zhang, J., +, TVT Feb. 2020 2114-2125*
- Connectivity of UAV Swarms in 3D Spherical Spaces Under (Un)Intentional Ground Interference. *Yuan, X., +, TVT Aug. 2020 8792-8804*
- Cooperative Offloading and Resource Management for UAV-Enabled Mobile Edge Computing in Power IoT System. *Liu, Y., +, TVT Oct. 2020 12229-12239*
- Cooperative Path Planning for Heterogeneous Unmanned Vehicles in a Search-and-Track Mission Aiming at an Underwater Target. *Wu, Y., +, TVT June 2020 6782-6787*
- Deep Reinforcement Learning for UAV Navigation Through Massive MIMO Technique. *Huang, H., +, TVT Jan. 2020 1117-1121*
- Distributed 3D Relative Localization of UAVs. *Liu, Y., +, TVT Oct. 2020 11756-11770*
- Energy Efficiency Maximization for Full-Duplex UAV Secrecy Communication. *Duo, B., +, TVT April 2020 4590-4595*
- Energy Efficient Adaptive Video Streaming With Rotary-Wing UAV. *Zhan, C., +, TVT July 2020 8040-8044*
- Energy Efficient UAV Communication With Energy Harvesting. *Yang, Z., +, TVT Feb. 2020 1913-1927*
- Energy-Efficient and Secure Air-to-Ground Communication With Jittering UAV. *Wu, H., +, TVT April 2020 3954-3967*
- Energy-Efficient Data Collection for IoT Networks via Cooperative Multi-Hop UAV Networks. *Kim, T., +, TVT Nov. 2020 13796-13811*
- Energy-Efficient UAV Routing for Wireless Sensor Networks. *Baek, J., +, TVT Feb. 2020 1741-1750*
- Energy-Efficient UAV-Assisted Mobile Edge Computing: Resource Allocation and Trajectory Optimization. *Li, M., +, TVT March 2020 3424-3438*
- Energy-Saving Data Aggregation for Multi-UAV System. *Xiong, F., +, TVT Aug. 2020 9002-9016*
- Energy-Saving Deployment Algorithms of UAV Swarm for Sustainable Wireless Coverage. *Zhang, X., +, TVT Sept. 2020 10320-10335*
- Federated Learning Assisted Multi-UAV Networks. *Zhang, H., +, TVT Nov. 2020 14104-14109*
- Full-Duplex and Backhaul-Constrained UAV-Enabled Networks Using NOMA. *Youssef, M., +, TVT Sept. 2020 9667-9681*
- Handling Spontaneous Traffic Variations in 5G+ via Offloading Onto mmWave-Capable UAV "Bridges". *Tafintsev, N., +, TVT Sept. 2020 10070-10084*
- Impact of UAV Rotation on MIMO Channel Characterization for Air-to-Ground Communication Systems. *Ma, Z., +, TVT Nov. 2020 12418-12431*
- Impact of UAV Wobbling on the Air-to-Ground Wireless Channel. *Banagar, M., +, TVT Nov. 2020 14025-14030*
- Improving PHY-Security of UAV-Enabled Transmission With Wireless Energy Harvesting: Robust Trajectory Design and Communications Resource Allocation. *Mamaghani, M.T., +, TVT Aug. 2020 8586-8600*
- Joint 3D Trajectory Design and Time Allocation for UAV-Enabled Wireless Power Transfer Networks. *Feng, W., +, TVT Sept. 2020 9265-9278*
- Joint Placement and Resources Optimization for Multi-User UAV-Relaying Systems With Underlaid Cellular Networks. *Guo, Y., +, TVT Oct. 2020 12374-12377*
- Joint Transmit Power and Placement Optimization for URLLC-Enabled UAV Relay Systems. *Ren, H., +, TVT July 2020 8003-8007*

- Joint Unmanned Aerial Vehicle (UAV) Deployment and Power Control for Internet of Things Networks. *Fu, S., +, TVT April 2020 4367-4378*
- Learn to Coloring: Fast Response to Perturbation in UAV-Assisted Disaster Relief Networks. *Wang, B., +, TVT March 2020 3505-3509*
- Learning and Uncertainty-Exploited Directional Antenna Control for Robust Long-Distance and Broad-Band Aerial Communication. *Liu, M., +, TVT Jan. 2020 593-606*
- LightAMC: Lightweight Automatic Modulation Classification via Deep Learning and Compressive Sensing. *Wang, Y., +, TVT March 2020 3491-3495*
- Load Balance and Trajectory Design in Multi-UAV Aided Large-Scale Wireless Rechargeable Networks. *Wu, P., +, TVT Nov. 2020 13756-13767*
- Multi-UAV Formation Control Based on a Novel Back-Stepping Approach. *Zhang, J., +, TVT March 2020 2437-2448*
- On Cooperative Achievable Rates of UAV Assisted Cellular Networks. *Song, Y., +, TVT Sept. 2020 9882-9895*
- On the Performance of RIS-Assisted Dual-Hop UAV Communication Systems. *Yang, L., +, TVT Sept. 2020 10385-10390*
- Online Computation Offloading and Traffic Routing for UAV Swarms in Edge-Cloud Computing. *Liu, B., +, TVT Aug. 2020 8777-8791*
- Optimal Detection of UAV's Transmission With Beam Sweeping in Covert Wireless Networks. *Hu, J., +, TVT Jan. 2020 1080-1085*
- Optimal Measurement Policy for Linear Measurement Systems With Applications to UAV Network Topology Prediction. *Razi, A., TVT Feb. 2020 1970-1981*
- Optimal Power and Bandwidth Allocation for Multiuser Video Streaming in UAV Relay Networks. *Chen, Y., +, TVT June 2020 6644-6655*
- Optimal Resource Allocation in Ground Wireless Networks Supporting Unmanned Aerial Vehicle Transmissions. *Hu, Y., +, TVT Aug. 2020 8972-8984*
- Path Planning for UAV-Mounted Mobile Edge Computing With Deep Reinforcement Learning. *Liu, Q., +, TVT May 2020 5723-5728*
- Performance Analysis and Cell Association Design for Drone-Assisted Heterogeneous Networks. *Sun, H., +, TVT Nov. 2020 13741-13755*
- Performance Analysis and Optimization for the MAC Protocol in UAV-Based IoT Network. *Li, B., +, TVT Aug. 2020 8925-8937*
- Propagation Measurements and Modeling for Low Altitude UAVs From 1 to 24 GHz. *Briso, C., +, TVT March 2020 3439-3443*
- QoE Analysis in Cache-Enabled Multi-UAV Networks. *Bera, A., +, TVT June 2020 6680-6687*
- Rendezvous: Opportunistic Data Delivery to Mobile Users by UAVs Through Target Trajectory Prediction. *Yoon, J., +, TVT Feb. 2020 2230-2245*
- Resonant Beam Charging-Powered UAV-Assisted Sensing Data Collection. *Chen, W., +, TVT Jan. 2020 1086-1090*
- Resource Allocation and Basestation Placement in Downlink Cellular Networks Assisted by Multiple Wireless Powered UAVs. *Yin, S., +, TVT Feb. 2020 2171-2184*
- Resource Allocation and Trajectory Optimization for QoE Provisioning in Energy-Efficient UAV-Enabled Wireless Networks. *Zeng, F., +, TVT July 2020 7634-7647*
- Response Delay Optimization in Mobile Edge Computing Enabled UAV Swarm. *Zhang, Q., +, TVT March 2020 3280-3295*
- Secrecy Performance Analysis of UAV Assisted Relay Transmission for Cognitive Network With Energy Harvesting. *Ji, B., +, TVT July 2020 7404-7415*
- Secrecy Performance Analysis of UAV-Assisted Relaying Communication Systems. *Bao, T., +, TVT Jan. 2020 1122-1126*
- Secure Transmission via Power Allocation in NOMA-UAV Networks With Circular Trajectory. *Chen, X., +, TVT Sept. 2020 10033-10045*
- Security Enhancement for NOMA-UAV Networks. *Zhao, N., +, TVT April 2020 3994-4005*
- Self-Energized UAV-Assisted Scheme for Cooperative Wireless Relay Networks. *Jayakody, D.N.K., +, TVT Jan. 2020 578-592*
- Social-Aware UAV-Assisted Mobile Crowd Sensing in Stochastic and Dynamic Environments for Disaster Relief Networks. *Wang, B., +, TVT Jan. 2020 1070-1074*
- State-Aware Rate Adaptation for UAVs by Incorporating On-Board Sensors. *He, S., +, TVT Jan. 2020 488-496*
- Toward Swarm Coordination: Topology-Aware Inter-UAV Routing Optimization. *Hong, L., +, TVT Sept. 2020 10177-10187*
- Trajectory Optimization for UAVs' Efficient Charging in Wireless Rechargeable Sensor Networks. *Wu, P., +, TVT April 2020 4207-4220*
- UAV Beam Alignment for Highly Mobile Millimeter Wave Communications. *Zhang, W., +, TVT Aug. 2020 8577-8585*
- UAV Virtualization for Enabling Heterogeneous and Persistent UAV-as-a-Service. *Pathak, N., +, TVT June 2020 6731-6738*
- UAV-Aided Wireless Communication Designs With Propulsion Energy Limitations. *Eom, S., +, TVT Jan. 2020 651-662*
- UAV-Assisted Cooperative Communications With Time-Sharing Information and Power Transfer. *Yin, S., +, TVT Feb. 2020 1554-1567*
- UAV-Enabled Secure Communications by Multi-Agent Deep Reinforcement Learning. *Zhang, Y., +, TVT Oct. 2020 11599-11611*
- UAV-Enabled Uplink Non-Orthogonal Multiple Access System: Joint Deployment and Power Control. *Lu, J., +, TVT Sept. 2020 10090-10102*
- UAV-Enabled Wireless Power Transfer With Base Station Charging and UAV Power Consumption. *Yan, H., +, TVT Nov. 2020 12883-12896*
- UAV-to-Everything (U2X) Networks Relying on NOMA: A Stochastic Geometry Model. *Hou, T., +, TVT July 2020 7558-7568*
- Autonomous robots**
- Hybrid Semi-Dense 3D Semantic-Topological Mapping From Stereo Visual-Inertial Odometry SLAM With Loop Closure Detection. *Wen, S., +, TVT Dec. 2020 16057-16066*
- Autonomous underwater vehicles**
- Ant-Colony-Based Complete-Coverage Path-Planning Algorithm for Underwater Gliders in Ocean Areas With Thermoclines. *Han, G., +, TVT Aug. 2020 8959-8971*
- AUV-Aided Localization for Underwater Acoustic Sensor Networks With Current Field Estimation. *Yan, J., +, TVT Aug. 2020 8855-8870*
- Cooperative Path Planning for Heterogeneous Unmanned Vehicles in a Search-and-Track Mission Aiming at an Underwater Target. *Wu, Y., +, TVT June 2020 6782-6787*
- Dynamic Output Feedback Fault Tolerant Control for Unmanned Underwater Vehicles. *Wang, X., +, TVT April 2020 3693-3702*
- Pseudo-3D Vision-Inertia Based Underwater Self-Localization for AUVs. *Wang, Y., +, TVT July 2020 7895-7907*
- Autonomous vehicles**
- An Integrated Framework of Decision Making and Motion Planning for Autonomous Vehicles Considering Social Behaviors. *Hang, P., +, TVT Dec. 2020 14458-14469*
- Beyond Vision: Hidden Car Detector With On-Demand Relaying in Vehicular Communications. *Hwang, S., +, TVT Dec. 2020 15177-15187*
- Coarse-to-Fine Segmentation on LiDAR Point Clouds in Spherical Coordinate and Beyond. *Li, Y., +, TVT Dec. 2020 14588-14601*
- Multi-Sensor Multi-Vehicle (MSMV) Localization and Mobility Tracking for Autonomous Driving. *Yang, P., +, TVT Dec. 2020 14355-14364*
- Path Tracking and Handling Stability Control Strategy With Collision Avoidance for the Autonomous Vehicle Under Extreme Conditions. *Chen, Y., +, TVT Dec. 2020 14602-14617*
- Autoregressive processes**
- Kalman Filter Based Recursive Estimation of Slowly Fading Sparse Channel in Impulsive Noise Environment for OFDM Systems. *Lv, X., +, TVT March 2020 2828-2835*
- Smoothing-Aided Support Vector Machine Based Nonstationary Video Traffic Prediction Towards 5G Networks. *Li, Y., +, TVT July 2020 7493-7502*
- State-of-Health Estimation and Remaining-Useful-Life Prediction for Lithium-Ion Battery Using a Hybrid Data-Driven Method. *Gou, B., +, TVT Oct. 2020 10854-10867*
- AWGN channels**
- A Polarization MDCSK Modulation Without PDL Over Multipath Rayleigh Fading Channels. *Miao, M., +, TVT June 2020 6813-6817*
- Bit Error Probability and Capacity Bound of OFDM Systems in Deterministic Doubly-Selective Channels. *Dominguez-Bolano, T., +, TVT Oct. 2020 11458-11469*

- Bit Error Probability of MQAM in the Presence of Phase Noise. *Jafari, H.*, +, *TVT Dec. 2020 14918-14931*
- Closed-Form Bit Error Probabilities for FBMC Systems. *Kobayashi, R.T.*, +, *TVT Feb. 2020 1237-1244*
- Design and Analysis of Joint Source Channel Coding Schemes Over Non-Standard Coding Channels. *Chen, Q.*, +, *TVT May 2020 5369-5380*
- Design of a Superposition Coding PPM-DCSK System for Downlink Multi-User Transmission. *Ma, H.*, +, *TVT Feb. 2020 1666-1678*
- Design of Optimal Non-Uniform Quantizer in Imperfect Noisy Reporting Channels for Collaborative Spectrum Sensing. *Naderipour, M.*, +, *TVT Nov. 2020 12870-12882*
- REF Codes: Intermediate Performance Oriented Fountain Codes With Feedback. *Shang, J.*, +, *TVT Nov. 2020 13148-13164*

Axles

- A Robust Traction Control Platform for AWD Vehicles With AWD TMU and eLSD. *Guo, Q.*, *TVT Aug. 2020 8395-8406*
- A Universal and Reconfigurable Stability Control Methodology for Articulated Vehicles With Any Configurations. *Zhang, Y.*, +, *TVT April 2020 3748-3759*
- An Energy-Saving Torque Vectoring Control Strategy for Electric Vehicles Considering Handling Stability Under Extreme Conditions. *Hu, X.*, +, *TVT Oct. 2020 10787-10796*
- Design and Experimental Evaluations on Energy-Efficient Control for 4WIMD-EVs Considering Tire Slip Energy. *Zhao, B.*, +, *TVT Dec. 2020 14631-14644*
- Modular Kinematic Modelling of Articulated Buses. *Michalek, M.M.*, +, *TVT Aug. 2020 8381-8394*
- On the Design of Yaw Rate Control via Variable Front-to-Total Anti-Roll Moment Distribution. *Ricco, M.*, +, *TVT Feb. 2020 1388-1403*

B

Backpropagation

- A Real-Time Collision Prediction Mechanism With Deep Learning for Intelligent Transportation System. *Wang, X.*, +, *TVT Sept. 2020 9497-9508*
- Broad Echo State Network for Channel Prediction in MIMO-OFDM Systems. *Sui, Y.*, +, *TVT Nov. 2020 13383-13399*
- Semisupervised PCA Convolutional Network for Vehicle Type Classification. *Soon, F.C.*, +, *TVT Aug. 2020 8267-8277*

Backscatter

- Backscatter Communication via Harvest-Then-Transmit Relaying. *Li, D.*, *TVT June 2020 6843-6847*
- Chipless RFID Infrastructure Based Self-Localization: Testbed Evaluation. *El-Absi, M.*, +, *TVT July 2020 7751-7761*
- Energy Efficiency for RF-Powered Backscatter Networks Using HTT Protocol. *Shi, L.*, +, *TVT Nov. 2020 13932-13936*
- Modeling and Performance Analysis for Ambient Backscattering Underlaying Cellular Networks. *Shi, L.*, +, *TVT June 2020 6563-6577*
- Optimal Non-Coherent Detector for Ambient Backscatter Communication System. *Guruacharya, S.*, +, *TVT Dec. 2020 16197-16201*
- Optimal Resource Allocation for RF-Powered Underlay Cognitive Radio Networks With Ambient Backscatter Communication. *Zhuang, Y.*, +, *TVT Dec. 2020 15216-15228*
- Secrecy Analysis of Ambient Backscatter NOMA Systems Under I/Q Imbalance. *Li, X.*, +, *TVT Oct. 2020 12286-12290*
- Subcarrier-Wise Backscatter Communications Over Ambient OFDM for Low Power IoT. *Nemati, M.*, +, *TVT Nov. 2020 13229-13242*
- Tsarray: An Intelligent Access Control System Using Backscatter Communication. *Chen, Y.*, +, *TVT Nov. 2020 13821-13835*

Backstepping

- Adaptive Fuzzy Backstepping-Based Formation Control of Unmanned Surface Vehicles With Unknown Model Nonlinearity and Actuator Saturation. *Zhou, W.*, +, *TVT Dec. 2020 14749-14764*

Band-pass filters

- Compact Filtering Patch Antenna Arrays for Marine Communications. *Liu, G.*, +, *TVT Oct. 2020 11408-11418*

Bandwidth

- Auction Mechanism for Dynamic Bandwidth Allocation in Multi-Tenant Edge Computing. *Le, T.H.T.*, +, *TVT Dec. 2020 15162-15176*
- Capacity of Uplink Partial Overlapping Non-Orthogonal Multiple Access for Underwater Acoustic Networks. *Jiang, Z.*, +, *TVT Dec. 2020 14290-14303*
- Energy Efficient Adaptive Video Streaming With Rotary-Wing UAV. *Zhan, C.*, +, *TVT July 2020 8040-8044*
- IoV Scenario: Implementation of a Bandwidth Aware Algorithm in Wireless Network Communication Mode. *Zhang, P.*, +, *TVT Dec. 2020 15774-15785*
- Let's Share the Resource When We're Co-Located: Colocation Edge Computing. *Nguyen, M.N.H.*, +, *TVT May 2020 5618-5633*
- Mobility-Aware Subband and Beam Resource Allocation Schemes for Millimeter Wave Wireless Networks. *Shen, L.*, +, *TVT Oct. 2020 11893-11908*
- Multi-Agent Deep Reinforcement Learning-Based Flexible Satellite Payload for Mobile Terminals. *Hu, X.*, +, *TVT Sept. 2020 9849-9865*
- Optimal Power and Bandwidth Allocation for Multiuser Video Streaming in UAV Relay Networks. *Chen, Y.*, +, *TVT June 2020 6644-6655*
- Power and Bandwidth Allocation for Multi-Target Tracking in Collocated MIMO Radar. *Zhang, H.*, +, *TVT Sept. 2020 9795-9806*
- Pricing Based Distributed Traffic Allocation for 5G Heterogeneous Networks. *Passas, V.*, +, *TVT Oct. 2020 12111-12123*
- Resource Allocation and Trajectory Optimization for QoE Provisioning in Energy-Efficient UAV-Enabled Wireless Networks. *Zeng, F.*, +, *TVT July 2020 7634-7647*
- Smoothing-Aided Support Vector Machine Based Nonstationary Video Traffic Prediction Towards B5G Networks. *Li, Y.*, +, *TVT July 2020 7493-7502*

Base stations

- A Game Theoretic Scheme for Collaborative Vehicular Task Offloading in 5G HetNets. *Hui, Y.*, +, *TVT Dec. 2020 16044-16056*
- Strategy-Proof Spectrum Allocation Among Multiple Operators in Wireless Networks. *Yadav, I.*, +, *TVT Dec. 2020 15964-15977*

Batteries

- A Hierarchical and Flexible Data-Driven Method for Online State-of-Health Estimation of Li-Ion Battery. *Liu, W.*, +, *TVT Dec. 2020 14739-14748*
- An MPC-Based Control Strategy for Electric Vehicle Battery Cooling Considering Energy Saving and Battery Lifespan. *Xie, Y.*, +, *TVT Dec. 2020 14657-14673*
- DEFT: Decentralized Multiuser Computation Offloading in a Fog-Enabled IoV Environment. *Deb, P.K.*, +, *TVT Dec. 2020 15978-15987*
- Energy-Optimal Adaptive Cruise Control for Electric Vehicles Based on Linear and Nonlinear Model Predictive Control. *Jia, Y.*, +, *TVT Dec. 2020 14173-14187*
- Fuzzy Model Based Control for Energy Management and Optimization in Fuel Cell Vehicles. *Shen, D.*, +, *TVT Dec. 2020 14674-14688*
- Minimum-Fuel Energy Management of a Hybrid Electric Vehicle via Iterative Linear Programming. *Robuschi, N.*, +, *TVT Dec. 2020 14575-14587*
- Optimal Charging and Routing of Electric Vehicles With Power Constraints and Time-of-Use Energy Prices. *Ferro, G.*, +, *TVT Dec. 2020 14436-14447*
- Power Allocation Strategy Based on Decentralized Convex Optimization in Modular Fuel Cell Systems for Vehicular Applications. *Khalatbarisoltani, A.*, +, *TVT Dec. 2020 14563-14574*
- Research on Optimization of Charging Strategy Control for Aged Batteries. *Sun, J.*, +, *TVT Dec. 2020 14141-14149*
- Sizing of a Battery Pack Based on Series/Parallel Configurations for a High-Power Electric Vehicle as a Constrained Optimization Problem. *Pelletier, L.*, +, *TVT Dec. 2020 14150-14159*
- Stochastic Targets Monitoring in Wireless Powered Sensor Networks. *Fei, J.*, +, *TVT Dec. 2020 15908-15919*

Battery charge measurement

- A Hierarchical and Flexible Data-Driven Method for Online State-of-Health Estimation of Li-Ion Battery. *Liu, W.*, +, *TVT Dec. 2020 14739-14748*

Battery chargers

- A Reconfigurable On-Board Power Converter for Electric Vehicle With Reduced Switch Count. *Meher, S.R.*, +, *TVT April 2020 3760-3772*
- A Single-Phase On-Board Two-Stage Integrated Battery Charger for EVs Based on a Five-Phase Hybrid-Excitation Flux-Switching Machine. *Tong, M.*, +, *TVT April 2020 3793-3804*

Coordinated Charging Control of Electric Vehicles While Improving Power Quality in Power Grids Using a Hierarchical Decision-Making Approach. *Zahedmanesh, A.*, +, *TVT Nov. 2020 12585-12596*

Sinusoidal-Ripple Current Control in Battery Charger of Electric Vehicles. *Bayati, M.*, +, *TVT July 2020 7201-7210*

Wired/Wireless Hybrid Charging System for Electrical Vehicles With Minimum Rated Power Requirement for DC Module. *Deng, Q.*, +, *TVT Oct. 2020 10889-10898*

Battery management systems

Active Adaptive Battery Aging Management for Electric Vehicles. *Corno, M.*, +, *TVT Jan. 2020 258-269*

An Integrated Energy Storage System With Voltage Balancing Based on Switched-Capacitor Reutilization Techniques. *Liu, J.*, +, *TVT Aug. 2020 8356-8366*

Automotive Battery Equalizers Based on Joint Switched-Capacitor and Buck-Boost Converters. *Liu, K.*, +, *TVT Nov. 2020 12716-12724*

Driving Range of Electric Vehicles Charged by Wireless Power Transfer. *Machura, P.*, +, *TVT June 2020 5968-5982*

Dynamical Coupling of a Battery Electro-Thermal Model and the Traction Model of an EV for Driving Range Simulation. *German, R.*, +, *TVT Jan. 2020 328-337*

Faulty Characteristics and Identification of Increased Connecting and Internal Resistance in Parallel-Connected Lithium-Ion Battery Pack for Electric Vehicles. *Ma, M.*, +, *TVT Oct. 2020 10797-10808*

General Parameter Identification Procedure and Comparative Study of Li-Ion Battery Models. *Miniguano, H.*, +, *TVT Jan. 2020 235-245*

On-Board State Estimation in Electrical Vehicles: Achieving Accuracy and Computational Efficiency Through an Electrochemical Model. *Verma, M.K.S.*, +, *TVT March 2020 2563-2575*

Particle-Filtering-Based Prognostics for the State of Maximum Power Available in Lithium-Ion Batteries at Electromobility Applications. *Diaz, C.*, +, *TVT July 2020 7187-7200*

Polynomial Augmented Extended Kalman Filter to Estimate the State of Charge of Lithium-Ion Batteries. *Haus, B.*, +, *TVT Feb. 2020 1452-1463*

Reliability Prediction of Battery Management System for Electric Vehicles Based on Accelerated Degradation Test: A Semi-Parametric Approach. *Lin, K.*, +, *TVT Nov. 2020 12694-12704*

Robust Operation of Shipboard Microgrids With Multiple-Battery Energy Storage System Under Navigation Uncertainties. *Fang, S.*, +, *TVT Oct. 2020 10531-10544*

Sinusoidal-Ripple Current Control in Battery Charger of Electric Vehicles. *Bayati, M.*, +, *TVT July 2020 7201-7210*

State-of-Health Estimation and Remaining-Useful-Life Prediction for Lithium-Ion Battery Using a Hybrid Data-Driven Method. *Gou, B.*, +, *TVT Oct. 2020 10854-10867*

Battery powered vehicles

A Blockchain-Based Framework for Lightweight Data Sharing and Energy Trading in V2G Network. *Hassija, V.*, +, *TVT June 2020 5799-5812*

A Multifunctional Solar PV and Grid Based On-Board Converter for Electric Vehicles. *Singh, A.K.*, +, *TVT April 2020 3717-3727*

A Novel Predictive Energy Management Strategy for Electric Vehicles Based on Velocity Prediction. *Zhai, C.*, +, *TVT Nov. 2020 12559-12569*

A Privacy-Preserving Secure Framework for Electric Vehicles in IoT Using Matching Market and Signcryption. *Kumar, G.*, +, *TVT July 2020 7707-7722*

Active Adaptive Battery Aging Management for Electric Vehicles. *Corno, M.*, +, *TVT Jan. 2020 258-269*

An Integrated Energy Storage System With Voltage Balancing Based on Switched-Capacitor Reutilization Techniques. *Liu, J.*, +, *TVT Aug. 2020 8356-8366*

An IoT and Edge Computing Based Framework for Charge Scheduling and EV Selection in V2G Systems. *Chamola, V.*, +, *TVT Oct. 2020 10569-10580*

Can Charging Infrastructure Used Only by Electric Taxis Be Profitable? A Case Study From Karlsruhe, Germany. *Funke, S.A.*, +, *TVT June 2020 5933-5944*

Computationally Efficient Stochastic Model Predictive Controller for Battery Thermal Management of Electric Vehicle. *Park, S.*, +, *TVT Aug. 2020 8407-8419*

Coordinated Charging Control of Electric Vehicles While Improving Power Quality in Power Grids Using a Hierarchical Decision-Making Approach. *Zahedmanesh, A.*, +, *TVT Nov. 2020 12585-12596*

Cost Minimization Strategy for Fuel Cell Hybrid Electric Vehicles Considering Power Sources Degradation. *Li, H.*, +, *TVT Nov. 2020 12832-12842*

Demand-Aware Provisioning of Electric Vehicles Fast Charging Infrastructure. *Kabir, M.E.*, +, *TVT July 2020 6952-6963*

Driving Range of Electric Vehicles Charged by Wireless Power Transfer. *Machura, P.*, +, *TVT June 2020 5968-5982*

Dynamical Coupling of a Battery Electro-Thermal Model and the Traction Model of an EV for Driving Range Simulation. *German, R.*, +, *TVT Jan. 2020 328-337*

Electric Vehicle Powertrain and Fuzzy Control Multi-Objective Optimization, Considering Dual Hybrid Energy Storage Systems. *Eckert, J.J.*, +, *TVT April 2020 3773-3782*

Faulty Characteristics and Identification of Increased Connecting and Internal Resistance in Parallel-Connected Lithium-Ion Battery Pack for Electric Vehicles. *Ma, M.*, +, *TVT Oct. 2020 10797-10808*

Forecasts of Electric Vehicle Energy Consumption Based on Characteristic Speed Profiles and Real-Time Traffic Data. *Morlock, F.*, +, *TVT Feb. 2020 1404-1418*

General Parameter Identification Procedure and Comparative Study of Li-Ion Battery Models. *Miniguano, H.*, +, *TVT Jan. 2020 235-245*

Joint Route Selection and Charging/Discharging Scheduling of EVs in V2G Energy Network. *Liu, P.*, +, *TVT Oct. 2020 10630-10641*

Lightweight Mutual Authentication Protocol for V2G Using Physical Unclonable Function. *Bansal, G.*, +, *TVT July 2020 7234-7246*

Multi-Layer Event-Based Vehicle-to-Grid (V2G) Scheduling With Short Term Predictive Capability Within a Modular Aggregator Control Structure. *Krueger, H.*, +, *TVT May 2020 4727-4739*

Non-Cooperative and Cooperative Optimization of Scheduling With Vehicle-to-Grid Regulation Services. *Chen, X.*, +, *TVT Jan. 2020 114-130*

On-Board State Estimation in Electrical Vehicles: Achieving Accuracy and Computational Efficiency Through an Electrochemical Model. *Verma, M.K.S.*, +, *TVT March 2020 2563-2575*

Optimal Allocation of Inverter-Based WTGS Complying With Their DSTATCOM Functionality and PEV Requirements. *Ali, A.*, +, *TVT May 2020 4763-4772*

Optimal Power Allocation in Battery/Supercapacitor Electric Vehicles Using Convex Optimization. *East, S.*, +, *TVT Nov. 2020 12751-12762*

Optimal Service Pricing and Charging Scheduling of an Electric Vehicle Sharing System. *Xie, R.*, +, *TVT Jan. 2020 78-89*

Particle-Filtering-Based Prognostics for the State of Maximum Power Available in Lithium-Ion Batteries at Electromobility Applications. *Diaz, C.*, +, *TVT July 2020 7187-7200*

Planning of the DC System Considering Restrictions on the Small-Signal Stability of EV Charging Stations and Comparison Between Series and Parallel Connections. *Fu, Q.*, +, *TVT Oct. 2020 10724-10735*

Polynomial Augmented Extended Kalman Filter to Estimate the State of Charge of Lithium-Ion Batteries. *Haus, B.*, +, *TVT Feb. 2020 1452-1463*

Protection Strategy for Wireless Charging Electrical Vehicles. *Zhou, H.*, +, *TVT Nov. 2020 13510-13520*

Real-Time Model Predictive Powertrain Control for a Connected Plug-In Hybrid Electric Vehicle. *Oncken, J.*, +, *TVT Aug. 2020 8420-8432*

Reducing Road Wear While Ensuring Comfort and Charging Constraints for Dynamically Charged Passenger Vehicles Through Noise-Shaped Path Variations. *Ferrin, C.*, +, *TVT May 2020 4803-4816*

Reliability Prediction of Battery Management System for Electric Vehicles Based on Accelerated Degradation Test: A Semi-Parametric Approach. *Lin, K.*, +, *TVT Nov. 2020 12694-12704*

Robust Operation of Shipboard Microgrids With Multiple-Battery Energy Storage System Under Navigation Uncertainties. *Fang, S.*, +, *TVT Oct. 2020 10531-10544*

Sinusoidal-Ripple Current Control in Battery Charger of Electric Vehicles. *Bayati, M., +, TVT July 2020 7201-7210*

The Fabric ICT Platform for Managing Wireless Dynamic Charging Road Lanes. *Cirimele, V., +, TVT March 2020 2501-2512*

Towards Efficient Battery Swapping Service Operation Under Battery Heterogeneity. *Zhang, X., +, TVT June 2020 6107-6118*

Wired/Wireless Hybrid Charging System for Electrical Vehicles With Minimum Rated Power Requirement for DC Module. *Deng, Q., +, TVT Oct. 2020 10889-10898*

Battery storage plants

Robust Operation of Shipboard Microgrids With Multiple-Battery Energy Storage System Under Navigation Uncertainties. *Fang, S., +, TVT Oct. 2020 10531-10544*

Bayes methods

A Bayesian Game Based Vehicle-to-Vehicle Electricity Trading Scheme for Blockchain-Enabled Internet of Vehicles. *Xia, S., +, TVT July 2020 6856-6868*

A Simple Variational Bayes Detector for Orthogonal Time Frequency Space (OTFS) Modulation. *Yuan, W., +, TVT July 2020 7976-7980*

An Acoustic-Based Surveillance System for Amateur Drones Detection and Localization. *Shi, Z., +, TVT March 2020 2731-2739*

Angular-Domain Channel Estimation for One-Bit Massive MIMO Systems: Performance Bounds and Algorithms. *Liu, F., +, TVT March 2020 2928-2942*

Bayesian Receiver Design for Grant-Free NOMA With Message Passing Based Structured Signal Estimation. *Zhang, Y., +, TVT Aug. 2020 8643-8656*

Blockchain Meets Edge Computing: Stackelberg Game and Double Auction Based Task Offloading for Mobile Blockchain. *Guo, S., +, TVT May 2020 5549-5561*

Channel Estimation and Hybrid Precoding for Distributed Phased Arrays Based MIMO Wireless Communications. *Zhang, Y., +, TVT Nov. 2020 12921-12937*

Human Mobility Prediction Using Sparse Trajectory Data. *Wang, H., +, TVT Sept. 2020 10155-10166*

Realistic Channel Estimation of IEEE 802.11af Systems in TV White Space. *Basaran, M., +, TVT Oct. 2020 11066-11076*

BCH codes

Fast Block Sequential Decoding of Polar Codes. *Trofimiuk, G., +, TVT Oct. 2020 10988-10999*

Beam steering

A Novel Compact, Broadband, High Gain Millimeter-Wave Antenna for 5G Beam Steering Applications. *Ozpinar, H., +, TVT March 2020 2389-2397*

Handset Frame Blockage Reduction of 5G mm-Wave Phased Arrays Using Hard Surface Inspired Structure. *Rodriguez-Cano, R., +, TVT Aug. 2020 8132-8139*

Behavioral sciences computing

Abnormal Driving Detection With Normalized Driving Behavior Data: A Deep Learning Approach. *Hu, J., +, TVT July 2020 6943-6951*

Importance Weighted Gaussian Process Regression for Transferable Driver Behaviour Learning in the Lane Change Scenario. *Li, Z., +, TVT Nov. 2020 12497-12509*

Zero-to-Stable Driver Identification: A Non-Intrusive and Scalable Driver Identification Scheme. *Rahim, M.A., +, TVT Jan. 2020 163-171*

Belief networks

A Novel Deep Learning and Polar Transformation Framework for an Adaptive Automatic Modulation Classification. *Ghasemzadeh, P., +, TVT Nov. 2020 13243-13258*

Data-Driven Incipient Fault Detection and Diagnosis for the Running Gear in High-Speed Trains. *Cheng, C., +, TVT Sept. 2020 9566-9576*

Belief propagation

Bayesian Receiver Design for Grant-Free NOMA With Message Passing Based Structured Signal Estimation. *Zhang, Y., +, TVT Aug. 2020 8643-8656*

Efficient Belief Propagation Polar Decoder With Loop Simplification Based Factor Graphs. *Ren, Y., +, TVT May 2020 5657-5660*

Stochastic Belief Propagation Polar Decoding With Efficient Re-Randomization. *Xu, M., +, TVT June 2020 6771-6776*

Bessel functions

Connectivity of UAV Swarms in 3D Spherical Spaces Under (Un)Intentional Ground Interference. *Yuan, X., +, TVT Aug. 2020 8792-8804*

Bicycles

Design of an External-Rotor Direct Drive E-Bike Switched Reluctance Motor. *Howey, B., +, TVT March 2020 2552-2562*

Particle-Filtering-Based Prognostics for the State of Maximum Power Available in Lithium-Ion Batteries at Electromobility Applications. *Diaz, C., +, TVT July 2020 7187-7200*

Torque Vectoring Algorithm of Electronic-Four-Wheel Drive Vehicles for Enhancement of Cornering Performance. *Park, G., +, TVT April 2020 3668-3679*

Big Data

Carpool for Big Data: Enabling Efficient Crowd Cooperation in Data Market for Pervasive AI. *Shi, Q., +, TVT July 2020 7778-7789*

Content-Aware Traffic Data Completion in ITS Based on Generative Adversarial Nets. *Han, L., +, TVT Oct. 2020 11950-11962*

Flight Delay Prediction Based on Aviation Big Data and Machine Learning. *Gui, G., +, TVT Jan. 2020 140-150*

Intelligent Maritime Networking With Edge Services and Computing Capability. *Su, X., +, TVT Nov. 2020 13606-13620*

Machine Learning Aided Air Traffic Flow Analysis Based on Aviation Big Data. *Gui, G., +, TVT May 2020 4817-4826*

Semi-Supervised Machine Learning Aided Anomaly Detection Method in Cellular Networks. *Lu, Y., +, TVT Aug. 2020 8459-8467*

TRADING: Traffic Aware Data Offloading for Big Data Enabled Intelligent Transportation System. *J. Darwish, T.S., +, TVT July 2020 6869-6879*

Binary codes

Doppler Influence on Waveform Orthogonality in 79 GHz MIMO Phase-Coded Automotive Radar. *Overdevest, J., +, TVT Jan. 2020 16-25*

Stochastic Belief Propagation Polar Decoding With Efficient Re-Randomization. *Xu, M., +, TVT June 2020 6771-6776*

Binary phase shift keying

Intelligent and Reliable Deep Learning LSTM Neural Networks-Based OFDM-DCSK Demodulation Design. *Zhang, L., +, TVT Dec. 2020 16163-16167*

Biological effects of microwaves

Electromagnetic Radiation Reduction in 5G Networks and Beyond Using Thermal Radiation Mode. *Kour, H., +, TVT Oct. 2020 11841-11856*

Biological system modeling

Incentive Mechanism for Cooperative Localization in Wireless Networks. *Zhu, Y., +, TVT Dec. 2020 15920-15932*

Biological tissues

Electromagnetic Radiation Reduction in 5G Networks and Beyond Using Thermal Radiation Mode. *Kour, H., +, TVT Oct. 2020 11841-11856*

Biomedical telemetry

Multi-Target Device-Free Wireless Sensing Based on Multiplexing Mechanisms. *Wang, J., +, TVT Sept. 2020 10242-10251*

Biometrics (access control)

Unified Biometric Privacy Preserving Three-Factor Authentication and Key Agreement for Cloud-Assisted Autonomous Vehicles. *Jiang, Q., +, TVT Sept. 2020 9390-9401*

Bit error rate

A Tight Upper Bound for Enhanced DCT-OFDM With Index Modulation. *Cao, A., +, TVT Dec. 2020 16213-16217*

Blind source separation

Iterative Processing Structure for the Single-Channel Mixture of Digital-Modulated Adjacent-Frequency Source Signals. *Yang, Y., +, TVT Feb. 2020 1639-1650*

Block codes

Fast Block Sequential Decoding of Polar Codes. *Trofimiuk, G., +, TVT Oct. 2020 10988-10999*

Latency Constrained Non-Orthogonal Packets Scheduling With Finite Blocklength Codes. *Xu, Y., +, TVT Oct. 2020 12312-12316*

Performance Analysis of Improved LT Codes With the Removal of Low Degree Input Symbols. *Wang, C., +, TVT Feb. 2020 2296-2300*

Blockchain

Guest Editorial Introduction to the Special Section on Blockchains in Emerging Vehicular Social Networks. *Li, H.*, +, *TVT June 2020 5732-5735*

Guest Editorial Introduction to the Special Section on Blockchains in Emerging Vehicular Social Networks. *Li, H.*, +, *TVT June 2020 5732-5735*

Incentivizing Resource Cooperation for Blockchain Empowered Wireless Power Transfer in UAV Networks. *Jiang, L.*, +, *TVT Dec. 2020 15828-15841*

Transparent and Accountable Vehicular Local Advertising With Practical Blockchain Designs. *Liu, D.*, +, *TVT Dec. 2020 15694-15705*

Bluetooth

Crowd Estimation Using Electromagnetic Wave Power-Level Measurements: A Proof of Concept. *Tofigh, F.*, +, *TVT Jan. 2020 784-792*

Iterative NDA Positioning Using Angle-of-Arrival Measurements for IoT Sensor Networks. *Monfared, S.*, +, *TVT Oct. 2020 11369-11382*

Body area networks

Prospects of 60 GHz mmWave WBAN: A PHY-MAC Joint Approach. *Anjum, M.N.*, +, *TVT June 2020 6153-6164*

Sum-Throughput Maximization Based on the Significance and Fairness of Sensors for Energy and Information Transfer in Virtual MIMO-WBAN. *Wang, T.*, +, *TVT Nov. 2020 13400-13409*

Body sensor networks

Sum-Throughput Maximization Based on the Significance and Fairness of Sensors for Energy and Information Transfer in Virtual MIMO-WBAN. *Wang, T.*, +, *TVT Nov. 2020 13400-13409*

Boolean algebra

Nearly Optimal Sensor Selection for TDOA-Based Source Localization in Wireless Sensor Networks. *Dai, Z.*, +, *TVT Oct. 2020 12031-12042*

Brakes

A Decision-Making Strategy for Vehicle Autonomous Braking in Emergency via Deep Reinforcement Learning. *Fu, Y.*, +, *TVT June 2020 5876-5888*

A Mechatronic Brake Booster for Electric Vehicles: Design, Control, and Experiment. *Wu, J.*, +, *TVT July 2020 7040-7053*

A Timesaving Transient Magneto-Thermal Coupling Model for the Eddy Current Brake. *Tian, J.*, +, *TVT Oct. 2020 10832-10841*

Optimal Anti-Lock Braking Control With Nonlinear Variable Voltage Charging Scheme for an Electric Vehicle. *Wang, J.*, +, *TVT July 2020 7211-7222*

Braking

A Decision-Making Strategy for Vehicle Autonomous Braking in Emergency via Deep Reinforcement Learning. *Fu, Y.*, +, *TVT June 2020 5876-5888*

A Mechatronic Brake Booster for Electric Vehicles: Design, Control, and Experiment. *Wu, J.*, +, *TVT July 2020 7040-7053*

Capturing the Impact of Speed, Grade, and Traffic on Class 8 Truck Platooning. *Taylor, A.H.*, +, *TVT Oct. 2020 10506-10518*

Evaluating Model Predictive Path Following and Yaw Stability Controllers for Over-Actuated Autonomous Electric Vehicles. *Zhang, W.*, +, *TVT Nov. 2020 12807-12821*

Optimal Anti-Lock Braking Control With Nonlinear Variable Voltage Charging Scheme for an Electric Vehicle. *Wang, J.*, +, *TVT July 2020 7211-7222*

Bridge circuits

Analysis and Design of a Voltage Equalizer Based on Boost Full-Bridge Inverter and Symmetrical Voltage Multiplier for Series-Connected Batteries. *Yang, X.*, +, *TVT April 2020 3828-3840*

Interleaved Isolated Single-Phase PFC Converter Module for Three-Phase EV Charger. *Choi, S.*, +, *TVT May 2020 4957-4967*

Broadband antennas

A Novel Compact, Broadband, High Gain Millimeter-Wave Antenna for 5G Beam Steering Applications. *Ozpinar, H.*, +, *TVT March 2020 2389-2397*

A Reconfigurable Dual-Band Dual-Circularly Polarized Antenna for Vehicle Global Navigation Satellite System Application. *Xu, R.*, +, *TVT Oct. 2020 11857-11867*

A Tri-Polarized Antenna With Diverse Radiation Characteristics for 5G and V2X Communications. *Feng, B.*, +, *TVT Sept. 2020 10115-10126*

A Wideband Beamforming Antenna Array for 802.11ac and 4.9 GHz in Modern Transportation Market. *Tan, M.C.*, +, *TVT March 2020 2659-2670*

Compact Filtering Patch Antenna Arrays for Marine Communications. *Liu, G.*, +, *TVT Oct. 2020 11408-11418*

Compact Quad-Element Vertically-Polarized High-Isolation Wideband MIMO Antenna for Vehicular Base Station. *Wang, W.*, +, *TVT Sept. 2020 10000-10008*

Handset Frame Blockage Reduction of 5G mm-Wave Phased Arrays Using Hard Surface Inspired Structure. *Rodriguez-Cano, R.*, +, *TVT Aug. 2020 8132-8139*

Single-Layer Wideband End-Fire Dual-Polarized Antenna Array for Device-to-Device Communication in 5G Wireless Systems. *Li, A.*, +, *TVT May 2020 5142-5150*

Wideband Dual Circularly Polarized Antenna for Intelligent Transport Systems. *Wen, L.*, +, *TVT May 2020 5193-5202*

Broadband networks

Data-Driven Deep Learning to Design Pilot and Channel Estimator for Massive MIMO. *Ma, X.*, +, *TVT May 2020 5677-5682*

Learning and Uncertainty-Exploited Directional Antenna Control for Robust Long-Distance and Broad-Band Aerial Communication. *Liu, M.*, +, *TVT Jan. 2020 593-606*

QoE-Driven Intelligent Handover for User-Centric Mobile Satellite Networks. *Xu, H.*, +, *TVT Sept. 2020 10127-10139*

Subcarrier Assignment Schemes Based on Q-Learning in Wideband Cognitive Radio Networks. *Zhou, Y.*, +, *TVT Jan. 2020 1168-1172*

Three-Dimensional Modeling of mmWave Doubly Massive MIMO Aerial Fading Channels. *Michailidis, E.T.*, +, *TVT Feb. 2020 1190-1202*

Broadcast channels

On Optimal Beamforming Design for Downlink MISO NOMA Systems. *Zhu, J.*, +, *TVT March 2020 3008-3020*

Secure Degrees of Freedom of Rank-Deficient BCCM and Rank-Deficient ICCM. *Wang, Q.*, +, *TVT April 2020 4033-4041*

Broadcast communication

A Novel Approach for MBSFN Area Formation Aided by D2D Communications for eMBB Service Delivery in 5G NR Systems. *Rinaldi, F.*, +, *TVT Feb. 2020 2058-2070*

End-to-End Slicing With Optimized Communication and Computing Resource Allocation in Multi-Tenant 5G Systems. *Chien, H.*, +, *TVT Feb. 2020 2079-2091*

Multidimensional Multilayer Modulation for Broadcast UVLC With Photon Detectors. *Si-Ma, L.*, +, *TVT June 2020 6437-6451*

Broadcasting

A Route Segmented Broadcast Protocol Based on RFID for Emergency Message Dissemination in Vehicular Ad-Hoc Networks. *Afrashteh, M.*, +, *TVT Dec. 2020 16017-16026*

Beyond Vision: Hidden Car Detector With On-Demand Relaying in Vehicular Communications. *Hwang, S.*, +, *TVT Dec. 2020 15177-15187*

LTE Signal Detector for LSA Spectrum Sharing Model in Portugal. *Milheiro, J.*, +, *TVT Dec. 2020 15127-15136*

Brushless DC motors

A Reconfigurable On-Board Power Converter for Electric Vehicle With Reduced Switch Count. *Meher, S.R.*, +, *TVT April 2020 3760-3772*

Buffer storage

A Hierarchical Buffer Management Approach to Rate Adaptation for 360-Degree Video Streaming. *Jiang, Z.*, +, *TVT Feb. 2020 2157-2170*

An Online Buffer-Aware Resource Allocation Algorithm for Multiuser Mobile Video Streaming. *Huang, G.*, +, *TVT March 2020 3357-3369*

Opportunistic Relaying and Jamming Based on Secrecy-Rate Maximization for Multiuser Buffer-Aided Relay Systems. *Lu, X.*, +, *TVT Dec. 2020 15269-15283*

Buildings

Analysis of Blocking in mmWave Cellular Systems: Characterization of the LOS and NLOS Intervals in Urban Scenarios. *Ruiz, C.G.*, +, *TVT Dec. 2020 16247-16252*

Buildings (structures)

Wireless Energy Efficiency Evaluation for Buildings Under Design Based on Analysis of Interference Gain. *Zhang, J.*, +, *TVT June 2020 6310-6324*

C

Cache storage

- Analysis and Optimization of Cache-Enabled Fog Radio Access Networks: Successful Transmission Probability, Fractional Offloaded Traffic and Delay. *Jiang, Y.*, +, *TVT May 2020 5219-5231*
- Analysis and Optimization of Random Caching in mmWave Heterogeneous Networks. *Yang, L.*, +, *TVT Sept. 2020 10140-10154*
- BloCkEd: Blockchain-Based Secure Data Processing Framework in Edge Envisioned V2X Environment. *Aujla, G.S.*, +, *TVT June 2020 5850-5863*
- Caching Placement and Resource Allocation for Cache-Enabling UAV NOMA Networks. *Zhang, T.*, +, *TVT Nov. 2020 12897-12911*
- Capacity-Aware Edge Caching in Fog Computing Networks. *Li, Q.*, +, *TVT Aug. 2020 9244-9248*
- Cloud and Edge Multicast Beamforming for Cache-Enabled Ultra-Dense Networks. *Huang, W.*, +, *TVT March 2020 3481-3485*
- Coded Caching for Smart Grid Enabled HetNets With Resource Allocation and Energy Cooperation. *Yin, F.*, +, *TVT Oct. 2020 12058-12071*
- Computation Offloading in Hierarchical Multi-Access Edge Computing Based on Contract Theory and Bayesian Matching Game. *Su, C.*, +, *TVT Nov. 2020 13686-13701*
- Content-Centric Heterogeneous Fog Networks Relying on Energy Efficiency Optimization. *Wang, K.*, +, *TVT Nov. 2020 13579-13592*
- Cooperative Caching and Transmission in CoMP-Integrated Cellular Networks Using Reinforcement Learning. *Lin, P.*, +, *TVT May 2020 5508-5520*
- Cooperative Edge Caching With Location-Based and Popular Contents for Vehicular Networks. *Chen, J.*, +, *TVT Sept. 2020 10291-10305*
- Decentralized Coded Caching Scheme With Heterogeneous File Sizes. *Zheng, L.*, +, *TVT Jan. 2020 818-827*
- Deep Reinforcement Learning and Permissioned Blockchain for Content Caching in Vehicular Edge Computing and Networks. *Dai, Y.*, +, *TVT April 2020 4312-4324*
- Delay-Oriented Caching Strategies in D2D Mobile Networks. *Sun, R.*, +, *TVT Aug. 2020 8529-8541*
- Enabling Edge Caching Through Full-Duplex Non-Orthogonal Multiple Access. *Ma, R.*, +, *TVT Oct. 2020 12338-12342*
- Energy and Delay Optimization for Cache-Enabled Dense Small Cell Networks. *Wu, H.*, +, *TVT July 2020 7663-7678*
- Energy Efficiency and Delay Optimization for Edge Caching Aided Video Streaming. *Zhou, G.*, +, *TVT Nov. 2020 14116-14121*
- Fractional Dynamic Caching: A Collaborative Design of Storage and Backhaul. *Wang, L.*, +, *TVT April 2020 4194-4206*
- Joint Optimal Software Caching, Computation Offloading and Communications Resource Allocation for Mobile Edge Computing. *Wen, W.*, +, *TVT July 2020 7879-7894*
- Learning Based Joint Cache and Power Allocation in Fog Radio Access Networks. *Rahman, G.M.S.*, +, *TVT April 2020 4401-4411*
- Mean-Field Game Theoretic Edge Caching in Ultra-Dense Networks. *Kim, H.*, +, *TVT Jan. 2020 935-947*
- Mobility-Aware Femtocaching Algorithm in D2D Networks Based on Handover. *HajiAkhondi-Meybodi, Z.*, +, *TVT Sept. 2020 10188-10201*
- Modeling and Optimization of Mobility-Aware Dynamic Caching With Time-Varying Content Popularity. *Deng, T.*, +, *TVT Jan. 2020 1157-1162*
- Modeling Impact of Concurrent Transmissions in Cluster Based Mobile Caching Networks. *Ahmed, A.*, +, *TVT April 2020 4601-4605*
- On Throughput Optimization and Bound Analysis in Cache-Enabled Fiber-Wireless Networks. *Gu, Z.*, +, *TVT Aug. 2020 9068-9082*
- QoE Analysis in Cache-Enabled Multi-UAV Networks. *Bera, A.*, +, *TVT June 2020 6680-6687*
- QoE-Driven Transmission-Aware Cache Placement and Cooperative Beamforming Design in Cloud-RANs. *Sun, R.*, +, *TVT Jan. 2020 636-650*
- Reinforcement Learning Based Cooperative Coded Caching Under Dynamic Popularities in Ultra-Dense Networks. *Gao, S.*, +, *TVT May 2020 5442-5456*

Simultaneous Wireless Content and Power Transfer in F-RAN: Caching, eRRH Classification and Beamforming. *Hu, J.*, +, *TVT Nov. 2020 12992-13004*

Smart Proactive Caching: Empower the Video Delivery for Autonomous Vehicles in ICN-Based Networks. *Zhang, Z.*, +, *TVT July 2020 7955-7965*

TCSC: A Novel File Distribution Strategy in Integrated LEO Satellite-Terrestrial Networks. *Yang, Z.*, +, *TVT May 2020 5426-5441*

Calibration

A Calibration Method of USBL Installation Error Based on Attitude Determination. *Zhu, Y.*, +, *TVT Aug. 2020 8317-8328*

A Densely-Deployed, High Sampling Rate, Open-Source Air Pollution Monitoring WSN. *Montrucchio, B.*, +, *TVT Dec. 2020 15786-15799*

Accurate Indoor Localization Assisted With Optimizing Array Orientations and Receiver Positions. *Sheng, M.*, +, *TVT Jan. 2020 509-521*

Adaptive Feed-Forward Control of the Clutch Filling Phase for Wet Dual Clutch Transmission. *Jung, S.*, +, *TVT Sept. 2020 9577-9588*

An Analysis of the Tradeoff Between Fuel Consumption and Ride Comfort for the Pulse and Glide Driving Strategy. *Sohn, C.*, +, *TVT July 2020 7223-7233*

An IMM-UKF Aided SINS/USBL Calibration Solution for Underwater Vehicles. *Yao, Y.*, +, *TVT April 2020 3740-3747*

Calibration of Ray-Tracing With Diffuse Scattering Against 28-GHz Directional Urban Channel Measurements. *Charbonnier, R.*, +, *TVT Dec. 2020 14264-14276*

Channel Characterization and Hybrid Modeling for Millimeter-Wave Communications in Metro Train. *He, D.*, +, *TVT Nov. 2020 12408-12417*

Fast Beam Training Architecture for Hybrid mmWave Transceivers. *Yang, J.*, +, *TVT March 2020 2700-2715*

Virtual Angular-Domain Channel Estimation for FDD Based Massive MIMO Systems With Partial Orthogonal Pilot Design. *Zhao, P.*, +, *TVT May 2020 5164-5178*

Cameras

Adaptive Switching Spatial-Temporal Fusion Detection for Remote Flying Drones. *Xie, J.*, +, *TVT July 2020 6964-6976*

Bundle Adjustment for Monocular Visual Odometry Based on Detections of Traffic Signs. *Zhang, Y.*, +, *TVT Jan. 2020 151-162*

Highly Accurate Scale Estimation from Multiple Keyframes Using RANSAC Plane Fitting With a Novel Scoring Method. *Fan, M.*, +, *TVT Dec. 2020 15335-15345*

Hybrid Semi-Dense 3D Semantic-Topological Mapping From Stereo Visual-Inertial Odometry SLAM With Loop Closure Detection. *Wen, S.*, +, *TVT Dec. 2020 16057-16066*

Inter-Vehicle Distance Estimation Method Based on Monocular Vision Using 3D Detection. *Zhe, T.*, +, *TVT May 2020 4907-4919*

MEMS Gyro Bias Estimation in Accelerated Motions Using Sensor Fusion of Camera and Angular-Rate Gyroscope. *Nazempour, A.*, +, *TVT April 2020 3841-3851*

Pseudo-3D Vision-Inertia Based Underwater Self-Localization for AUVs. *Wang, Y.*, +, *TVT July 2020 7895-7907*

Cams

Beyond Vision: Hidden Car Detector With On-Demand Relaying in Vehicular Communications. *Hwang, S.*, +, *TVT Dec. 2020 15177-15187*

Carbon compounds

Demand-Aware Provisioning of Electric Vehicles Fast Charging Infrastructure. *Kabir, M.E.*, +, *TVT July 2020 6952-6963*

Joint Route Selection and Charging Discharging Scheduling of EVs in V2G Energy Network. *Liu, P.*, +, *TVT Oct. 2020 10630-10641*

Carrier sense multiple access

A Distributed Link Scheduler for In-Band Full Duplex Wireless Networks. *Ren, Y.*, +, *TVT May 2020 5255-5267*

Deep Reinforcement Learning Aided Intelligent Access Control in Energy Harvesting Based WLAN. *Zhao, Y.*, +, *TVT Nov. 2020 14078-14082*

Modeling and Analysis of the Downlink Local Delay in MEC-Based VANETs. *Wu, Y.*, +, *TVT June 2020 6619-6630*

Modeling and Analysis of the Uplink Local Delay in MEC-Based VANETs. *Wu, Y.*, +, *TVT April 2020 3538-3549*

- On the Performance of LTE/Wi-Fi Dual-Mode Uplink Transmission: Connection Probability Versus Energy Efficiency. *Zhang, J.*, +, *TVT Oct. 2020 11152-11168*
- Performance Analysis and Optimization for the MAC Protocol in UAV-Based IoT Network. *Li, B.*, +, *TVT Aug. 2020 8925-8937*
- Carrier transmission on power lines**
- Performance Analysis of Coherent PLC With MPSK Signaling in Nakagami-*m* Noise Environment. *Dash, S.P.*, +, *TVT March 2020 3057-3067*
- Smart Grid Network With D2D Communication and Coherent PLC: Error Analysis. *Dash, S.P.*, +, *TVT Jan. 2020 1051-1054*
- Cascade control**
- Nonlinear Motion Control for a Quadrotor Transporting a Cable-Suspended Payload. *Lv, Z.*, +, *TVT Aug. 2020 8192-8206*
- Cathodes**
- An Online Self Cold Startup Methodology for PEM Fuel Cells in Vehicular Applications. *Amamou, A.*, +, *TVT Dec. 2020 14160-14172*
- Cellular networks**
- An Autonomous Transmission Scheme Using Dueling DQN for D2D Communication Networks. *Ban, T.*, *TVT Dec. 2020 16348-16352*
- Influence and Mitigation of Pedestrian Blockage at mmWave Cellular Networks. *Kumar S, Y.*, +, *TVT Dec. 2020 15442-15457*
- Cellular radio**
- A Critical MTC Resource Allocation Approach for LTE Networks With Finite Blocklength Codes. *Abdelsadek, M.Y.*, +, *TVT May 2020 5598-5609*
- A Framework of Multipath Clustering Based on Space-Transformed Fuzzy *c*-Means and Data Fusion for Radio Channel Modeling. *Huang, Z.*, +, *TVT Jan. 2020 4-15*
- A Fully Distributed and Clustered Learning of Power Control in User-Centric Ultra-Dense HetNets. *Makhanbet, M.*, +, *TVT Oct. 2020 11529-11543*
- A Model-Driven Deep Reinforcement Learning Heuristic Algorithm for Resource Allocation in Ultra-Dense Cellular Networks. *Liao, X.*, +, *TVT Jan. 2020 983-997*
- A Novel Approach for MBSFN Area Formation Aided by D2D Communications for eMBB Service Delivery in 5G NR Systems. *Rinaldi, F.*, +, *TVT Feb. 2020 2058-2070*
- A Novel Compact, Broadband, High Gain Millimeter-Wave Antenna for 5G Beam Steering Applications. *Ozpinar, H.*, +, *TVT March 2020 2389-2397*
- A Resource Sharing Scheme for Intercell D2D Communication in Cellular Networks: A Repeated Game Theoretic Approach. *Barik, P.K.*, +, *TVT July 2020 7806-7820*
- An Enhanced Random Access With Distributed Pilot Orthogonalization for Cellular IoT Networks. *Kim, T.*, +, *TVT Jan. 2020 1152-1156*
- Beamwidth Design for Beam Scanning in Millimeter-Wave Cellular Networks. *Fan, J.*, +, *TVT Jan. 2020 1111-1116*
- Beyond D2D: Full Dimension UAV-to-Everything Communications in 6G. *Zhang, S.*, +, *TVT June 2020 6592-6602*
- Beyond Intelligent Reflecting Surfaces: Reflective-Transmissive Metasurface Aided Communications for Full-Dimensional Coverage Extension. *Zhang, S.*, +, *TVT Nov. 2020 13905-13909*
- Bit Error Probability and Capacity Bound of OFDM Systems in Deterministic Doubly-Selective Channels. *Dominguez-Bolano, T.*, +, *TVT Oct. 2020 11458-11469*
- Caching Placement and Resource Allocation for Cache-Enabling UAV NOMA Networks. *Zhang, T.*, +, *TVT Nov. 2020 12897-12911*
- Cellular Clustering-Based Interference-Aware Data Transmission Protocol for Underwater Acoustic Sensor Networks. *Zhang, J.*, +, *TVT March 2020 3217-3230*
- Coded Caching for Smart Grid Enabled HetNets With Resource Allocation and Energy Cooperation. *Yin, F.*, +, *TVT Oct. 2020 12058-12071*
- Cooperative Caching and Transmission in CoMP-Integrated Cellular Networks Using Reinforcement Learning. *Lin, P.*, +, *TVT May 2020 5508-5520*
- Cooperative Scheduling for Pilot Reuse in Massive MIMO Systems. *Hua, Y.*, +, *TVT Nov. 2020 12857-12869*
- Coverage Analysis and Optimization for High-Speed Railway Communication Systems With Narrow-Strip-Shaped Cells. *Lin, S.*, +, *TVT Oct. 2020 11544-11556*
- Coverage Regions Under Multi-Slope Pathloss Propagation. *Briggs, K.*, +, *TVT Oct. 2020 11786-11789*
- Covert Communications in D2D Underlying Cellular Networks With Antenna Array Assisted Artificial Noise Transmission. *Jiang, Y.*, +, *TVT March 2020 2980-2992*
- Deep Learning Empowered Traffic Offloading in Intelligent Software Defined Cellular V2X Networks. *Fan, B.*, +, *TVT Nov. 2020 13328-13340*
- Deep Reinforcement Learning-Based Resource Allocation and Power Control in Small Cells With Limited Information Exchange. *Jang, J.*, +, *TVT Nov. 2020 13768-13783*
- Delay-Aware Resource Management for Multi-Service Coexisting LTE-D2D Networks With Wireless Network Virtualization. *Han, Y.*, +, *TVT July 2020 7339-7353*
- Delay-Constrained Beamforming and Resource Allocation in Full Duplex Systems. *Kabir, M.T.*, +, *TVT March 2020 3476-3480*
- Delay-Oriented Caching Strategies in D2D Mobile Networks. *Sun, R.*, +, *TVT Aug. 2020 8529-8541*
- Design and Analysis of CQI Feedback Reduction Mechanism for Adaptive Multicast IPTV in Wireless Cellular Networks. *Li, M.*, +, *TVT Feb. 2020 2008-2020*
- Distributionally Robust Two-Stage Energy Management for Hybrid Energy Powered Cellular Networks. *Du, P.*, +, *TVT Oct. 2020 12162-12174*
- Edge-Facilitated Augmented Vision in Vehicle-to-Everything Networks. *Zhou, P.*, +, *TVT Oct. 2020 12187-12201*
- Efficient Resource Allocation and Power Control for LTE-A D2D Communication With Pure D2D Model. *Lai, W.*, +, *TVT March 2020 3202-3216*
- Efficient Resource Allocation in SCMA-Enabled Device-to-Device Communication for 5G Networks. *Sultana, A.*, +, *TVT May 2020 5343-5354*
- Enabling Edge Caching Through Full-Duplex Non-Orthogonal Multiple Access. *Ma, R.*, +, *TVT Oct. 2020 12338-12342*
- Energy and Delay Optimization for Cache-Enabled Dense Small Cell Networks. *Wu, H.*, +, *TVT July 2020 7663-7678*
- Energy Efficient Resource Allocation for Underlying Multi-D2D Enabled Multiple-Antennas Communications. *Ozbek, B.*, +, *TVT June 2020 6189-6199*
- Energy- and Spectral-Efficiency Tradeoff With α -Fairness in Energy Harvesting D2D Communication. *Kuang, Z.*, +, *TVT Sept. 2020 9972-9983*
- Energy-Efficient Power Allocation and Q-Learning-Based Relay Selection for Relay-Aided D2D Communication. *Wang, X.*, +, *TVT June 2020 6452-6462*
- Energy-Efficient Power Allocation and User Selection for mmWave-NOMA Transmission in M2M Communications Underlying Cellular Heterogeneous Networks. *Sobhi-Givi, S.*, +, *TVT Sept. 2020 9866-9881*
- Energy-Efficient Resource Allocation for High-Rate Underlay D2D Communications With Statistical CSI: A One-to-Many Strategy. *Li, R.*, +, *TVT April 2020 4006-4018*
- Energy-Efficient SWIPT-Empowered D2D Mode Selection. *Huang, J.*, +, *TVT April 2020 3903-3915*
- Extensionless Adaptive Transmitter and Receiver Windowing of Beyond 5G Frames. *Pekoz, B.*, +, *TVT Feb. 2020 1888-1902*
- FFR Based Joint 3D Beamforming Interference Coordination for Multi-Cell FD-MIMO Downlink Transmission Systems. *Li, X.*, +, *TVT March 2020 3105-3118*
- Game Theory-Based Multi-Objective Optimization Interference Alignment Algorithm for HSR 5G Heterogeneous Ultra-Dense Network. *Sheng, J.*, +, *TVT Nov. 2020 13371-13382*
- Graph Theory Based Beam Scheduling for Inter-Cell Interference Avoidance in MmWave Cellular Networks. *Sha, Z.*, +, *TVT April 2020 3929-3942*
- Handling Spontaneous Traffic Variations in 5G+ via Offloading Onto mmWave-Capable UAV "Bridges". *Tafintsev, N.*, +, *TVT Sept. 2020 10070-10084*
- Human Mobility Prediction Using Sparse Trajectory Data. *Wang, H.*, +, *TVT Sept. 2020 10155-10166*
- Hybrid Beamforming for Multi-User Millimeter-Wave Networks. *Nasir, A.A.*, +, *TVT March 2020 2943-2956*
- Impact of Prediction Errors on High Throughput Predictive Resource Allocation. *Guo, J.*, +, *TVT Sept. 2020 9984-9999*

- Joint Mode Selection and Power Control for Interference Management in D2D-Enabled Heterogeneous Cellular Networks. *Liu, X.*, +, *TVT Sept. 2020 9707-9719*
- Joint Placement and Resources Optimization for Multi-User UAV-Relaying Systems With Underlaid Cellular Networks. *Guo, Y.*, +, *TVT Oct. 2020 12374-12377*
- Joint Transaction Relaying and Block Verification Optimization for Blockchain Empowered D2D Communication. *Jiang, L.*, +, *TVT Jan. 2020 828-841*
- Joint Uplink/Downlink Discrete Sum Rate Maximization for Full-Duplex Multicell Heterogeneous Networks. *Li, Q.*, +, *TVT March 2020 2758-2770*
- Joint User Pairing, Subchannel Assignment and Power Allocation in Cooperative Non-Orthogonal Multiple Access Networks. *Lamba, A.K.*, +, *TVT Oct. 2020 11790-11799*
- Latency Minimization for D2D-Enabled Partial Computation Offloading in Mobile Edge Computing. *Saleem, U.*, +, *TVT April 2020 4472-4486*
- Latency Optimization for Cellular Assisted Mobile Edge Computing via Non-Orthogonal Multiple Access. *Qian, L.*, +, *TVT May 2020 5494-5507*
- Let's Share the Resource When We're Co-Located: Colocation Edge Computing. *Nguyen, M.N.H.*, +, *TVT May 2020 5618-5633*
- Leveraging Dynamic Stackelberg Pricing Game for Multi-Mode Spectrum Sharing in 5G-VANET. *Qian, B.*, +, *TVT June 2020 6374-6387*
- Localization in 3GPP LTE Based on One RTT and One TDOA Observation. *Radnosrati, K.*, +, *TVT March 2020 3399-3411*
- Location Based Joint Spectrum Sensing and Radio Resource Allocation in Cognitive Radio Enabled LTE-U Systems. *Yang, Q.*, +, *TVT March 2020 2967-2979*
- Mean-Field Game Theoretic Edge Caching in Ultra-Dense Networks. *Kim, H.*, +, *TVT Jan. 2020 935-947*
- Millimeter-Wave Base Station Deployment Using the Scenario Sampling Approach. *Dong, M.*, +, *TVT Nov. 2020 14013-14018*
- Mobility Prediction Based Proactive Dynamic Network Orchestration for Load Balancing With QoS Constraint (OPERA). *Farooq, H.*, +, *TVT March 2020 3370-3383*
- Modeling and Analysis of the Downlink Local Delay in MEC-Based VANETs. *Wu, Y.*, +, *TVT June 2020 6619-6630*
- Modeling and Analysis of the Uplink Local Delay in MEC-Based VANETs. *Wu, Y.*, +, *TVT April 2020 3538-3549*
- Modeling and Performance Analysis for Ambient Backscattering Underlying Cellular Networks. *Shi, L.*, +, *TVT June 2020 6563-6577*
- Multi-Agent Deep Reinforcement Learning Based Spectrum Allocation for D2D Underlay Communications. *Li, Z.*, +, *TVT Feb. 2020 1828-1840*
- Multi-Agent Deep Reinforcement Learning for Distributed Resource Management in Wirelessly Powered Communication Networks. *Hwang, S.*, +, *TVT Nov. 2020 14055-14060*
- Multi-Item Auction Based Mechanism for Mobile Data Offloading: A Robust Optimization Approach. *Liu, D.*, +, *TVT April 2020 4155-4168*
- Multiobjective Beamforming Power Control for Robust SINR Target Tracking and Power Efficiency in Multicell MU-MIMO Wireless System. *Chen, W.*, +, *TVT June 2020 6200-6214*
- Network Optimisation in 5G Networks: A Radio Environment Map Approach. *Suarez Rodriguez, A.C.*, +, *TVT Oct. 2020 12043-12057*
- New Efficient Transmission Technique for HetNets With Massive MIMO Wireless Backhaul. *Hamdi, R.*, +, *TVT Jan. 2020 663-675*
- On Cooperative Achievable Rates of UAV Assisted Cellular Networks. *Song, Y.*, +, *TVT Sept. 2020 9882-9895*
- On Evaluation of Indoor to Outdoor Communications Using Neighbourhood Small Cells. *Yang, W.*, +, *TVT July 2020 8045-8050*
- On Outage Analysis in SWIPT Enabled Bidirectional D2D Communications Using Spectrum Sharing in Cellular Networks. *Ghosh, S.*, +, *TVT Sept. 2020 10167-10176*
- On the Performance Analysis of mmWave MIMO-NOMA Transmission Scheme. *Aghdam, M.R.G.*, +, *TVT Oct. 2020 11491-11500*
- On the Performance of LTE/Wi-Fi Dual-Mode Uplink Transmission: Connection Probability Versus Energy Efficiency. *Zhang, J.*, +, *TVT Oct. 2020 11152-11168*
- On the Physical Layer Security of Underlay Relay-Aided Device-to-Device Communications. *Khoshafa, M.H.*, +, *TVT July 2020 7609-7621*
- On Throughput Optimization and Bound Analysis in Cache-Enabled Fiber-Wireless Networks. *Gu, Z.*, +, *TVT Aug. 2020 9068-9082*
- On Wireless Blind Spots in the C-V2X Sidelink. *Bazzi, A.*, +, *TVT Aug. 2020 9239-9243*
- Optimal Beam Pattern Design for Hybrid Beamforming in Millimeter Wave Communications. *Wang, W.*, +, *TVT July 2020 7987-7991*
- Optimal Duplex Mode Selection for D2D-Aided Underlying Cellular Networks. *Du, C.*, +, *TVT March 2020 3119-3134*
- Optimal Resource Allocation in Cellular Networks With H2H/M2M Coexistence. *Alhussien, N.*, +, *TVT Nov. 2020 12951-12962*
- Optimal Resource Allocation in Ground Wireless Networks Supporting Unmanned Aerial Vehicle Transmissions. *Hu, Y.*, +, *TVT Aug. 2020 8972-8984*
- Optimizing Weighted-Sum Energy Efficiency in Downlink and Uplink NOMA Systems. *Zamani, M.R.*, +, *TVT Oct. 2020 11112-11127*
- Outage Probabilities of Cache and SIC Enabled Downlink MIMO NOMA Cellular Networks With Randomly Distributed Users. *Zheng, J.*, +, *TVT Nov. 2020 13942-13946*
- Pair Auction and Matching for Resource Allocation in Full-Duplex Cellular Systems. *Chao, C.*, +, *TVT April 2020 4325-4339*
- Pareto-Optimal Pilot Design for Cellular Massive MIMO Systems. *Le, T.A.*, +, *TVT Nov. 2020 13206-13215*
- Partial Packet Duplication: Control of Fade and Non-Fade Duration Outages Using Matrix Exponential Distributions. *Tekinay, M.*, +, *TVT May 2020 5652-5656*
- Performance Analysis and Cell Association Design for Drone-Assisted Heterogeneous Networks. *Sun, H.*, +, *TVT Nov. 2020 13741-13755*
- Performance Analysis and Power Allocation Strategy for Downlink NOMA Systems in Large-Scale Cellular Networks. *Wang, J.*, +, *TVT March 2020 3459-3464*
- Performance Analysis for Uplink Transmission in User-Centric Ultra-Dense V2I Networks. *Wu, P.*, +, *TVT Sept. 2020 9342-9355*
- Performance Analysis of Cell-Free Massive MIMO Systems: A Stochastic Geometry Approach. *Papazafeiropoulos, A.*, +, *TVT April 2020 3523-3537*
- Performance Analysis of Cellular Downlink With Fluctuating Two-Ray Channels Under Inter-Cell Interference. *Olyaei, M.*, +, *TVT Nov. 2020 13437-13449*
- Performance Analysis of MISINR User Association in 3-D Heterogeneous Cellular Networks. *Ding, H.*, +, *TVT April 2020 4119-4129*
- Performance of Distributed Massive MIMO and Small-Cell Systems Under Hardware and Channel Impairments. *Elhoushy, S.*, +, *TVT Aug. 2020 8627-8642*
- Pilot Design and Allocation for Multi-Cell Massive MIMO Systems With Two-Tier Receiving. *Hu, A.*, *TVT July 2020 7443-7457*
- Pilot Reuse for Vehicle-to-Vehicle Underlay Massive MIMO Transmission. *You, L.*, +, *TVT May 2020 5693-5697*
- Power Allocation for D2D Communications Using Max-Min Message-Passing Algorithm. *Rashed, S.K.*, +, *TVT Aug. 2020 8443-8458*
- Power Allocation for Intelligent Interference Exploitation Aided Physical-Layer Security in OFDM-Based Heterogeneous Cellular Networks. *Jiang, Y.*, +, *TVT March 2020 3021-3033*
- Pricing Based Distributed Traffic Allocation for 5G Heterogeneous Networks. *Passas, V.*, +, *TVT Oct. 2020 12111-12123*
- Proactive Mobility Management With Trajectory Prediction Based on Virtual Cells in Ultra-Dense Networks. *Liu, Q.*, +, *TVT Aug. 2020 8832-8842*
- QoS Constrained Pilot Allocation Scheme for Massive MIMO Systems. *Qi, C.*, +, *TVT May 2020 5661-5665*
- Regret Matching Learning Based Spectrum Reuse in Small Cell Networks. *Fan, C.*, +, *TVT Jan. 2020 1060-1064*
- Reinforcement Learning Based Cooperative Coded Caching Under Dynamic Popularities in Ultra-Dense Networks. *Gao, S.*, +, *TVT May 2020 5442-5456*
- Resource Allocation and Basestation Placement in Downlink Cellular Networks Assisted by Multiple Wireless Powered UAVs. *Yin, S.*, +, *TVT Feb. 2020 2171-2184*

- Resource Allocation and Trajectory Optimization for QoE Provisioning in Energy-Efficient UAV-Enabled Wireless Networks. *Zeng, F.*, +, *TVT July 2020 7634-7647*
- Resource Allocation for Cellular V2X Networks Mode-3 With Underlay Approach in LTE-V Standard. *Aslani, R.*, +, *TVT Aug. 2020 8601-8612*
- Resource Allocation in Green Dense Cellular Networks: Complexity and Algorithms. *Mlika, Z.*, +, *TVT Feb. 2020 1994-2007*
- Robust Rate-Maximization Precoder Design for VFDM System. *Liu, W.*, +, *TVT March 2020 2747-2757*
- Secrecy Rate Maximization via Radio Resource Allocation in Cellular Underlying V2V Communications. *Liu, Y.*, +, *TVT July 2020 7281-7294*
- Semi-Blind Post-Equalizer SINR Estimation and Dual CSI Feedback for Radar-Cellular Coexistence. *Rao, R.M.*, +, *TVT Sept. 2020 9720-9735*
- Semi-Supervised Machine Learning Aided Anomaly Detection Method in Cellular Networks. *Lu, Y.*, +, *TVT Aug. 2020 8459-8467*
- Smart Grid Network With D2D Communication and Coherent PLC: Error Analysis. *Dash, S.P.*, +, *TVT Jan. 2020 1051-1054*
- Sparse Space-Time-Frequency-Domain Spreading for Large-Scale Non-Orthogonal Multiple Access. *Liu, Y.*, +, *TVT Oct. 2020 12327-12332*
- Spatial Filtering Based Random Access for Machine-Type Communications in Massive MIMO Cellular Networks. *He, Y.*, +, *TVT Oct. 2020 11479-11490*
- Sub-Channel Allocation for Full-Duplex Access and Device-to-Device Links Underlying Heterogeneous Cellular Networks Using Coalition Formation Games. *Chen, Y.*, +, *TVT Sept. 2020 9736-9749*
- Subchannel Allocation Based on Clustered Interference Alignment for Differentiated Data Streams in Dense Small Cell Networks. *Zhang, H.*, +, *TVT Nov. 2020 14049-14054*
- Sum-Rate Maximization of Multicell MISO Networks With Limited Information Exchange. *Kim, Y.*, +, *TVT July 2020 7247-7263*
- Tradeoff Between Ergodic Energy Efficiency and Spectral Efficiency in D2D Communications Under Rician Fading Channel. *Mili, M.R.*, +, *TVT Sept. 2020 9750-9766*
- Traffic Differentiated Clustering Routing in DSRC and C-V2X Hybrid Vehicular Networks. *Qi, W.*, +, *TVT July 2020 7723-7734*
- Transparent AAA Security Design for Low-Latency MEC-Integrated Cellular Networks. *Li, C.*, +, *TVT March 2020 3231-3243*
- UAV Beam Alignment for Highly Mobile Millimeter Wave Communications. *Zhang, W.*, +, *TVT Aug. 2020 8577-8585*
- UAV-Aided Wireless Communication Designs With Propulsion Energy Limitations. *Eom, S.*, +, *TVT Jan. 2020 651-662*
- Uplink Coverage and Capacity Analysis of mMTC in Ultra-Dense Networks. *Kamel, M.*, +, *TVT Jan. 2020 746-759*
- Uplink Performance Analysis for Millimeter Wave Cellular Networks With Clustered Users. *Muhammad, N.A.*, +, *TVT June 2020 6178-6188*
- User Access and Resource Allocation in Full-Duplex User-Centric Ultra-Dense Networks. *Zhang, G.*, +, *TVT Oct. 2020 12015-12030*
- Video Caching and Transcoding in Wireless Cellular Networks With Mobile Edge Computing: A Robust Approach. *Wang, C.*, +, *TVT Aug. 2020 9234-9238*
- Ceramic packaging**
- A Compact Millimeter-Wave Frequency Conversion SOP (System on Package) Module Based on LTCC Technology. *Zhou, L.*, +, *TVT June 2020 5923-5932*
- Channel allocation**
- An Energy-Efficient Resource Allocation Scheme for SWIPT-NOMA Based Femtocells Users With Imperfect CSI. *Budhiraja, I.*, +, *TVT July 2020 7790-7805*
- An FSO-Based Drone Charging System for Emergency Communications. *Wu, D.*, +, *TVT Dec. 2020 16155-16162*
- Auction Mechanism for Dynamic Bandwidth Allocation in Multi-Tenant Edge Computing. *Le, T.H.T.*, +, *TVT Dec. 2020 15162-15176*
- Bayesian Receiver Design for Grant-Free NOMA With Message Passing Based Structured Signal Estimation. *Zhang, Y.*, +, *TVT Aug. 2020 8643-8656*
- Energy- and Spectral-Efficiency Tradeoff With α -Fairness in Energy Harvesting D2D Communication. *Kuang, Z.*, +, *TVT Sept. 2020 9972-9983*
- Energy-Efficient and Delay-Fair Mobile Computation Offloading. *Mu, S.*, +, *TVT Dec. 2020 15746-15759*
- Equilibrium Problems With Equilibrium Constraints Analysis for Power Control and User Scheduling in NOMA Networks. *Zhang, H.*, +, *TVT May 2020 5467-5480*
- Game Theory-Based Multi-Objective Optimization Interference Alignment Algorithm for HSR 5G Heterogeneous Ultra-Dense Network. *Sheng, J.*, +, *TVT Nov. 2020 13371-13382*
- Joint Channel Allocation and Resource Management for Stochastic Computation Offloading in MEC. *Ren, J.*, +, *TVT Aug. 2020 8900-8913*
- Joint Relay Assignment and Channel Allocation for Opportunistic UAVs-Aided Dynamic Networks: A Mood-Driven Approach. *Zhong, X.*, +, *TVT Dec. 2020 15019-15034*
- Learning to Bond in Dense WLANs With Random Traffic Demands. *Luo, Y.*, +, *TVT Oct. 2020 11868-11879*
- Location Based Joint Spectrum Sensing and Radio Resource Allocation in Cognitive Radio Enabled LTE-U Systems. *Yang, Q.*, +, *TVT March 2020 2967-2979*
- Mode Selection and Resource Allocation in Sliced Fog Radio Access Networks: A Reinforcement Learning Approach. *Xiang, H.*, +, *TVT April 2020 4271-4284*
- NOMA-Assisted On-Demand Transmissions for Monitoring Applications in Industrial IoT Networks. *Lyu, L.*, +, *TVT Oct. 2020 12264-12276*
- Resource Allocation in Green Dense Cellular Networks: Complexity and Algorithms. *Mlika, Z.*, +, *TVT Feb. 2020 1994-2007*
- Sub-Channel Allocation for Full-Duplex Access and Device-to-Device Links Underlying Heterogeneous Cellular Networks Using Coalition Formation Games. *Chen, Y.*, +, *TVT Sept. 2020 9736-9749*
- Subchannel Allocation Based on Clustered Interference Alignment for Differentiated Data Streams in Dense Small Cell Networks. *Zhang, H.*, +, *TVT Nov. 2020 14049-14054*
- User Access and Resource Allocation in Full-Duplex User-Centric Ultra-Dense Networks. *Zhang, G.*, +, *TVT Oct. 2020 12015-12030*
- Channel bank filters**
- Closed-Form Bit Error Probabilities for FBMC Systems. *Kobayashi, R.T.*, +, *TVT Feb. 2020 1237-1244*
- Localization in 3GPP LTE Based on One RTT and One TDOA Observation. *Radnosrati, K.*, +, *TVT March 2020 3399-3411*
- Preamble Power Optimization Based on Intrinsic Interference Utilization for OQAM/FBMC Channel Estimation. *Liu, W.*, +, *TVT Nov. 2020 13556-13566*
- Short Prototype Filter Design for OQAM-FBMC Modulation. *Galdino, I.*, +, *TVT Aug. 2020 9163-9167*
- Channel capacity**
- A Novelty in Blahut-Arimoto Type Algorithms: Optimal Control Over Noisy Communication Channels. *Zamanipour, M.*, *TVT June 2020 6348-6358*
- An Efficient Software Stack Sphere Decoder for Polar Codes. *Zhou, H.*, +, *TVT Feb. 2020 1257-1266*
- Beamformed Radio Link Capacity Under Positioning Uncertainty. *Talvitie, J.*, +, *TVT Dec. 2020 16235-16240*
- Capacity of Uplink Partial Overlapping Non-Orthogonal Multiple Access for Underwater Acoustic Networks. *Jiang, Z.*, +, *TVT Dec. 2020 14290-14303*
- Channel Capacity of Massive MIMO With Selected Multi-Stream Transmission in Spatially Correlated Fading Environments. *Karasawa, Y.*, *TVT May 2020 5320-5330*
- Comprehensive Effects of Imperfect Synchronization and Channel Estimation on Known Interference Cancellation. *Guo, W.*, +, *TVT Jan. 2020 457-470*
- Experimental Study on the Impact of Antenna Characteristics on Non-Stationary V2I Channel Parameters in Tunnels. *Yusuf, M.*, +, *TVT Nov. 2020 12396-12407*
- Guaranteeing Information Transfer Integrity Through Two Non-Colluding Malicious Nodes Against i.i.d. Attacks. *Zheng, X.*, +, *TVT Nov. 2020 14099-14103*
- Impact of UAV Rotation on MIMO Channel Characterization for Air-to-Ground Communication Systems. *Ma, Z.*, +, *TVT Nov. 2020 12418-12431*

- Low-Latency Segmented List-Pruning Software Polar List Decoder. *Shen, Y.*, +, *TVT April 2020 3575-3589*
- On Bounds and Closed-Form Expressions for Capacities of Discrete Memoryless Channels With Invertible Positive Matrices. *Nguyen, T.*, +, *TVT Sept. 2020 9910-9920*
- On the Performance Analysis of Higher Order QAM Schemes Over Mixed RF/FSO Systems. *Singya, P.K.*, +, *TVT July 2020 7366-7378*
- Performance Analysis of Bidirectional AF Based Cooperative Vehicular Networks. *Qin, D.*, +, *TVT Feb. 2020 2274-2279*
- Performance Analysis of Full-Duplex Relay-Aided NOMA Systems Using Partial Relay Selection. *Tregancini, A.*, +, *TVT Jan. 2020 622-635*
- Performance Analysis of Mixed RF-UWOC Dual-Hop Transmission Systems. *Li, S.*, +, *TVT Nov. 2020 14043-14048*
- Physical Layer Security of QSTBC With Power Scaling in MIMO Wiretap Channels. *Chae, S.H.*, +, *TVT May 2020 5647-5651*
- Polar Codes for Fast Fading Channel: Design Based on Polar Spectrum. *Niu, K.*, +, *TVT Sept. 2020 10103-10114*
- REF Codes: Intermediate Performance Oriented Fountain Codes With Feedback. *Shang, J.*, +, *TVT Nov. 2020 13148-13164*
- Secrecy Analysis Over Cascaded κ - μ Fading Channels With Multiple Eavesdroppers. *Tashman, D.H.*, +, *TVT Aug. 2020 8433-8442*
- Secrecy Performance of User and Antenna Selection With Channel Estimation Inaccuracy. *Lee, D.*, *TVT April 2020 4533-4536*
- Selection Combining Over Double α - μ Fading Channels. *Badarneh, O.S.*, +, *TVT March 2020 3444-3448*
- Space-Frequency Increment Index Modulation Approach for Fifth Generation and Beyond Wireless Communication Systems. *Nusenu, S.Y.*, +, *TVT June 2020 6286-6298*
- The α - \mathcal{F} Composite Fading Distribution: Statistical Characterization and Applications. *Badarneh, O.S.*, *TVT Aug. 2020 8097-8106*
- Uplink Coverage and Capacity Analysis of mMTC in Ultra-Dense Networks. *Kamel, M.*, +, *TVT Jan. 2020 746-759*
- Channel coding**
- A Critical MTC Resource Allocation Approach for LTE Networks With Finite Blocklength Codes. *Abdelsadek, M.Y.*, +, *TVT May 2020 5598-5609*
- A New IDMA System Based on CSK Modulation for Multiuser Underwater Acoustic Communications. *Jing, L.*, +, *TVT March 2020 3080-3092*
- A Novel Multipath Mitigation Technique for GNSS Signals in Urban Scenarios. *Kumar, A.*, +, *TVT March 2020 2649-2658*
- An Adaptive BLAST Successive Interference Cancellation Method for High Data Rate Perfect Space-Time Coded MIMO Systems. *Grabner, M.J.*, +, *TVT Feb. 2020 1542-1553*
- An Efficient Software Stack Sphere Decoder for Polar Codes. *Zhou, H.*, +, *TVT Feb. 2020 1257-1266*
- Analysis and Improvement of Error-Floor Performance for JSCC Scheme Based on Double Protograph LDPC Codes. *Chen, Q.*, +, *TVT Dec. 2020 14316-14329*
- Augmenting Transmission Environments for Better Communications: Tunable Reflector Assisted MmWave WLANs. *Zhang, L.*, +, *TVT July 2020 7416-7428*
- Bit Error Probability and Capacity Bound of OFDM Systems in Deterministic Doubly-Selective Channels. *Dominguez-Bolano, T.*, +, *TVT Oct. 2020 11458-11469*
- Channel Estimation and Hybrid Precoding for Distributed Phased Arrays Based MIMO Wireless Communications. *Zhang, Y.*, +, *TVT Nov. 2020 12921-12937*
- Deep Denoising Neural Network Assisted Compressive Channel Estimation for mmWave Intelligent Reflecting Surfaces. *Liu, S.*, +, *TVT Aug. 2020 9223-9228*
- Delayed Bit Interleaved Coded Sparse Code Multiple Access. *Mheich, Z.*, +, *TVT July 2020 8018-8022*
- Design of a Superposition Coding PPM-DCSK System for Downlink Multi-User Transmission. *Ma, H.*, +, *TVT Feb. 2020 1666-1678*
- Double Space-Time Line Codes. *Joung, J.*, +, *TVT Feb. 2020 2316-2321*
- Efficient Sparse Code Multiple Access Decoder Based on Deterministic Message Passing Algorithm. *Zhang, C.*, +, *TVT April 2020 3562-3574*
- Energy Optimization For Hybrid ARQ With Turbo Coding: Rate Adaptation and Allocation. *Zhang, B.*, +, *TVT Oct. 2020 11338-11352*
- Enhanced Sparse Vector Coding for Ultra-Reliable and Low Latency Communications. *Kim, W.*, +, *TVT May 2020 5698-5702*
- FIT: On-the-Fly, In-Situ Training for SNR-Based Rate Selection. *Liu, H.*, +, *TVT Oct. 2020 11295-11307*
- Guaranteeing Information Transfer Integrity Through Two Non-Colluding Malicious Nodes Against i.i.d. Attacks. *Zheng, X.*, +, *TVT Nov. 2020 14099-14103*
- Hybrid Precoder Design With Minimum-Subspace-Distortion Quantization in Multiuser mmWave Communications. *Ni, Z.*, +, *TVT Oct. 2020 11055-11065*
- Joint Modulation and Beamforming for MIMO Systems With 1-b DACs. *Han, Y.*, +, *TVT Jan. 2020 1075-1079*
- Learning to Denoise and Decode: A Novel Residual Neural Network Decoder for Polar Codes. *Zhu, H.*, +, *TVT Aug. 2020 8725-8738*
- Low-Complexity Multicast Beamforming for Millimeter Wave Communications. *Li, Z.*, +, *TVT Oct. 2020 12317-12320*
- Low-Latency Segmented List-Pruning Software Polar List Decoder. *Shen, Y.*, +, *TVT April 2020 3575-3589*
- Near-Instantaneously Adaptive Multi-Set Space-Time Shift Keying for UAV-Aided Video Surveillance. *Zhang, Y.*, +, *TVT Nov. 2020 12843-12856*
- Near-Perfect Code Scrambling With Limited Key Information for Wiretap Channels. *Park, S.*, +, *TVT Nov. 2020 13410-13423*
- On Bounds and Closed-Form Expressions for Capacities of Discrete Memoryless Channels With Invertible Positive Matrices. *Nguyen, T.*, +, *TVT Sept. 2020 9910-9920*
- On the Multiplexing of Data and Metadata for Ultra-Reliable Low-Latency Communications in 5G. *Karimi, A.*, +, *TVT Oct. 2020 12136-12147*
- Performance Analysis of OSTBC-NOMA System in the Presence of Practical Impairments. *Toka, M.*, +, *TVT Sept. 2020 9697-9706*
- Physical Layer Security of QSTBC With Power Scaling in MIMO Wiretap Channels. *Chae, S.H.*, +, *TVT May 2020 5647-5651*
- Polar Codes for Fast Fading Channel: Design Based on Polar Spectrum. *Niu, K.*, +, *TVT Sept. 2020 10103-10114*
- Precoding Design and Optimization for Multi-Antenna Systems With Limited Feedback. *Zou, Y.*, *TVT July 2020 7306-7316*
- REF Codes: Intermediate Performance Oriented Fountain Codes With Feedback. *Shang, J.*, +, *TVT Nov. 2020 13148-13164*
- Scalable Panoramic Wireless Video Streaming Relying on Optimal-Rate FEC-Coded Adaptive QAM. *Zhang, Y.*, +, *TVT Oct. 2020 11206-11219*
- Secure MIMO-SVD Communications Against Eavesdroppers With Any Number of Antennas. *Tang, J.*, +, *TVT Oct. 2020 11077-11089*
- Stochastic Belief Propagation Polar Decoding With Efficient Re-Randomization. *Xu, M.*, +, *TVT June 2020 6771-6776*
- Throughput Analysis of Low-Latency IoT Systems With QoS Constraints and Finite Blocklength Codes. *Hu, Y.*, +, *TVT March 2020 3093-3104*
- Channel estimation**
- A Deep Learning Framework for Hybrid Beamforming Without Instantaneous CSI Feedback. *Elbir, A.M.*, *TVT Oct. 2020 11743-11755*
- A Generalized VAMP-Based Channel Estimator for Uplink Quantized Massive MIMO Systems. *Xiong, Y.*, *TVT June 2020 6838-6842*
- A Restless MAB-Based Index Policy for UL Pilot Allocation in Massive MIMO Over Gauss-Markov Fading Channels. *Yang, F.*, +, *TVT March 2020 3034-3047*
- A Sequential Subspace Method for Millimeter Wave MIMO Channel Estimation. *Zhang, W.*, +, *TVT May 2020 5355-5368*
- Accumulated Polar Feature-Based Deep Learning for Efficient and Lightweight Automatic Modulation Classification With Channel Compensation Mechanism. *Teng, C.*, +, *TVT Dec. 2020 15472-15485*
- Adaptive Channel Prediction, Beamforming and Scheduling Design for 5G V2I Network: Analytical and Machine Learning Approaches. *Bogale, T.E.*, +, *TVT May 2020 5055-5067*
- Adaptive Perturbation-Aided Opportunistic Hybrid Beamforming for mmWave Systems. *Van Le, T.*, +, *TVT June 2020 6554-6562*
- Adaptive Turbo Equalization for Differential OFDM Systems in Underwater Acoustic Communications. *Zhao, S.*, +, *TVT Nov. 2020 13937-13941*

- Analysis of Equal Gain Combining Over Fluctuating Two-Ray Channels With Applications to Millimeter-Wave Communications. *Hashemi, H.*, +, *TVT Feb. 2020 1751-1765*
- Analysis of SVD-Based Hybrid Schemes for Massive MIMO With Phase Noise and Imperfect Channel Estimation. *Corvaja, R.*, +, *TVT July 2020 7325-7338*
- Angular-Domain Channel Estimation for One-Bit Massive MIMO Systems: Performance Bounds and Algorithms. *Liu, F.*, +, *TVT March 2020 2928-2942*
- Antenna Selection for Improving Energy Efficiency in XL-MIMO Systems. *Marinello, J.C.*, +, *TVT Nov. 2020 13305-13318*
- Approximate Gram-Matrix Interpolation for Wideband Massive MU-MIMO Systems. *Jeon, C.*, +, *TVT May 2020 4677-4688*
- Attractor Selection Based Limited Feedback Hybrid Precoding for Uplink V2I Communications. *Ye, J.*, +, *TVT April 2020 3943-3953*
- Bayesian Receiver Design for Grant-Free NOMA With Message Passing Based Structured Signal Estimation. *Zhang, Y.*, +, *TVT Aug. 2020 8643-8656*
- Blind Fast CFO Estimation and Performance Analysis for OFDM. *Meng, Y.*, +, *TVT Oct. 2020 11501-11514*
- Broad Echo State Network for Channel Prediction in MIMO-OFDM Systems. *Sui, Y.*, +, *TVT Nov. 2020 13383-13399*
- Capturing the Sparsity and Tracking the Channels for Massive MIMO Networks. *Mohammed, A.*, +, *TVT Jan. 2020 685-699*
- Channel Estimation and Hybrid Precoding for Distributed Phased Arrays Based MIMO Wireless Communications. *Zhang, Y.*, +, *TVT Nov. 2020 12921-12937*
- Codeword Position Index Modulation Design for Sparse Code Multiple Access System. *Lai, K.*, +, *TVT Nov. 2020 13273-13288*
- Comprehensive Effects of Imperfect Synchronization and Channel Estimation on Known Interference Cancellation. *Guo, W.*, +, *TVT Jan. 2020 457-470*
- Compressive Sensing Based Channel Estimation for Millimeter-Wave Full-Dimensional MIMO With Lens-Array. *Wan, Z.*, +, *TVT Feb. 2020 2337-2342*
- Constant-Amplitude Sequences for Spectrally Compact OFDM Training Waveforms. *Chung, C.*, +, *TVT Nov. 2020 12974-12991*
- Data-Driven Deep Learning to Design Pilot and Channel Estimator for Massive MIMO. *Ma, X.*, +, *TVT May 2020 5677-5682*
- DCE-Based Secure Transmission for Massive MIMO Relay System Against Active Eavesdropper. *Lu, X.*, +, *TVT Nov. 2020 13045-13059*
- Decentralized Signal Detection via Expectation Propagation Algorithm for Uplink Massive MIMO Systems. *Zhang, Z.*, +, *TVT Oct. 2020 11233-11240*
- Deep Artificial Noise: Deep Learning-Based Precoding Optimization for Artificial Noise Scheme. *Yun, S.*, +, *TVT March 2020 3465-3469*
- Deep Denoising Neural Network Assisted Compressive Channel Estimation for mmWave Intelligent Reflecting Surfaces. *Liu, S.*, +, *TVT Aug. 2020 9223-9228*
- Deep Learning and Compressive Sensing-Based CSI Feedback in FDD Massive MIMO Systems. *Liang, P.*, +, *TVT Aug. 2020 9217-9222*
- DeepChannel: Wireless Channel Quality Prediction Using Deep Learning. *Kulkarni, A.*, +, *TVT Jan. 2020 443-456*
- Detection for OFDM-AF Relay Systems Under Gaussian Mixture Noise With Imperfect CSI. *Zhang, J.*, +, *TVT May 2020 5666-5671*
- Direct Data Detection of OFDM Signals Over Wireless Channels. *Saci, A.*, +, *TVT Nov. 2020 12432-12448*
- Downlink Sum-Rates of SC-FDP and OFDM Massive MIMO Systems in Doubly Dispersive Channels. *Mokhtari, Z.*, +, *TVT Aug. 2020 8065-8079*
- Energy Harvesting Wireless Sensor Networks With Channel Estimation: Delay and Packet Loss Performance Analysis. *Hentati, A.*, +, *TVT Feb. 2020 1956-1969*
- Energy-Efficient Robust Computation Offloading for Fog-IoT Systems. *Wu, Z.*, +, *TVT April 2020 4417-4425*
- Flexible DRX Optimization for LTE and 5G. *Moradi, F.*, +, *TVT Jan. 2020 607-621*
- Full-Duplex Amplify-and-Forward Relaying Under I/Q Imbalance. *Samara, L.*, +, *TVT July 2020 7966-7970*
- Gaussian Mixture Based Context-Aware Short-Term Characterization of Wireless Channels. *Mukherjee, P.*, +, *TVT Jan. 2020 26-40*
- High-Resolution Angle-of-Arrival and Channel Estimation for mmWave Massive MIMO Systems With Lens Antenna Array. *Dong, F.*, +, *TVT Nov. 2020 12963-12973*
- Hybrid Multicast/Unicast Design in NOMA-Based Vehicular Caching System. *Pei, X.*, +, *TVT Dec. 2020 16304-16308*
- Impact of Intra-Cluster Angular Spread on the Performance of NLoS Millimeter Wave Links With Imperfect Beam Alignment. *Kutty, S.*, +, *TVT Feb. 2020 1813-1827*
- Improving Massive MIMO Message Passing Detectors With Deep Neural Network. *Tan, X.*, +, *TVT Feb. 2020 1267-1280*
- Iterative Processing Structure for the Single-Channel Mixture of Digital-Modulated Adjacent-Frequency Source Signals. *Yang, Y.*, +, *TVT Feb. 2020 1639-1650*
- Joint Channel Estimation and Precoding for Faster-Than-Nyquist Signaling. *Li, Q.*, +, *TVT Nov. 2020 13139-13147*
- Joint Compensation of Transmitter and Receiver I/Q Imbalances for SC-FDE Systems. *Cheng, X.*, +, *TVT Aug. 2020 8483-8498*
- Joint Long-Term Admission Control and Beamforming in Green Downlink Networks: Offline and Online Approaches. *Lin, J.*, +, *TVT Aug. 2020 8710-8724*
- Joint Scheduling and Precoding for mmWave and Sub-6GHz Dual-Mode Networks. *Cheng, M.*, +, *TVT Nov. 2020 13098-13111*
- Joint User Identification and Channel Estimation Over Rician Fading Channels. *Wu, L.*, +, *TVT June 2020 6803-6807*
- Kalman Filter Based Recursive Estimation of Slowly Fading Sparse Channel in Impulsive Noise Environment for OFDM Systems. *Lu, X.*, +, *TVT March 2020 2828-2835*
- Learning the Time-Varying Massive MIMO Channels: Robust Estimation and Data-Aided Prediction. *Xia, X.*, +, *TVT Aug. 2020 8080-8096*
- Link-Signature-Based Discriminatory Channel Estimation (LS-DCE) for Physical Layer Security in Stationary and Mobile OFDM Transceivers. *Albehadili, A.*, +, *TVT Aug. 2020 8119-8131*
- Long-Term Channel Statistic Estimation for Highly-Mobile Hybrid MmWave Multi-User MIMO Systems. *Yu, J.*, +, *TVT Dec. 2020 14277-14289*
- Low-Complexity Channel Estimation for Circular and Noncircular Signals in Virtual MIMO Vehicle Communication Systems. *Wang, X.*, +, *TVT April 2020 3916-3928*
- Low-Complexity Multicast Beamforming for Millimeter Wave Communications. *Li, Z.*, +, *TVT Oct. 2020 12317-12320*
- Multicast Beamforming Optimization in Cloud-Based Heterogeneous Terrestrial and Satellite Networks. *Zhang, H.*, +, *TVT Feb. 2020 1766-1776*
- Multiple CFOs Estimation and Implementation of SC-FDMA Uplink System Using Oversampling and Iterative Method. *Kumar, S.*, +, *TVT June 2020 6254-6263*
- Non-Coherent Massive MIMO-OFDM Down-Link Based on Differential Modulation. *Chen-Hu, K.*, +, *TVT Oct. 2020 11281-11294*
- Non-Redundant OFDM Receiver Windowing for 5G Frames and Beyond. *Pekoz, B.*, +, *TVT Jan. 2020 676-684*
- Optimal Non-Coherent Detector for Ambient Backscatter Communication System. *Guruacharya, S.*, +, *TVT Dec. 2020 16197-16201*
- Optimal Pilot Power Based Channel Estimation Improves the Throughput of Intelligent Reflective Surface Assisted Systems. *An, J.*, +, *TVT Dec. 2020 16202-16206*
- Optimal Training Design for MIMO Amplify-and-Forward Two-Way Relay Systems in the Presence of Interference. *Chun, C.*, +, *TVT May 2020 5151-5163*
- Optimal Uplink Pilot-Data Power Allocation for Large-Scale Antenna Array-Aided OFDM Systems. *Guo, X.*, +, *TVT Jan. 2020 428-442*
- Pareto-Optimal Pilot Design for Cellular Massive MIMO Systems. *Le, T.A.*, +, *TVT Nov. 2020 13206-13215*
- Performance Analysis of OSTBC-NOMA System in the Presence of Practical Impairments. *Toka, M.*, +, *TVT Sept. 2020 9697-9706*

- Pilot Assignment and Power Allocation for Multipair Massive MIMO DF Relaying Networks. *Ho, C.D.*, +, *TVT July 2020 7379-7388*
- Pilot Decontamination Based on Superimposed Pilots Assisted by Time-Multiplexed Pilots in Massive MIMO Networks. *Lago, L.A.*, +, *TVT Jan. 2020 405-417*
- Pilot Design for BEM-Based Channel Estimation in Doubly Selective Channel. *Anand, K.*, +, *TVT Feb. 2020 1679-1694*
- Pilot Length and Channel Estimation for Massive MIMO IoT Systems. *Yan, H.*, +, *TVT Dec. 2020 15532-15544*
- Pilot Reuse for Vehicle-to-Vehicle Underlay Massive MIMO Transmission. *You, L.*, +, *TVT May 2020 5693-5697*
- Preamble Power Optimization Based on Intrinsic Interference Utilization for OQAM/FBMC Channel Estimation. *Liu, W.*, +, *TVT Nov. 2020 13556-13566*
- QoE-Driven Intelligent Handover for User-Centric Mobile Satellite Networks. *Xu, H.*, +, *TVT Sept. 2020 10127-10139*
- Realistic Channel Estimation of IEEE 802.11af Systems in TV White Space. *Basaran, M.*, +, *TVT Oct. 2020 11066-11076*
- Robust Rate-Maximization Precoder Design for VFDN System. *Liu, W.*, +, *TVT March 2020 2747-2757*
- Secrecy Performance of User and Antenna Selection With Channel Estimation Inaccuracy. *Lee, D.*, *TVT April 2020 4533-4536*
- Secure Communication With Outdated Channel State Information via Untrusted Relay Capable of Energy Harvesting. *Lim, J.*, +, *TVT Oct. 2020 11323-11337*
- Secure Index-Modulation Based Hybrid Free Space Optical and Millimeter Wave Links. *Althunibat, S.*, +, *TVT June 2020 6325-6332*
- Selection Combining Over Double α - μ Fading Channels. *Badarneh, O.S.*, +, *TVT March 2020 3444-3448*
- Semi-Blind Post-Equalizer SINR Estimation and Dual CSI Feedback for Radar-Cellular Coexistence. *Rao, R.M.*, +, *TVT Sept. 2020 9720-9735*
- Spatial Modulation for Terahertz Communication Systems With Hardware Impairments. *Mao, T.*, +, *TVT April 2020 4553-4557*
- Spatially Correlated Massive MIMO Relay Systems With Low-Resolution ADCs. *Dong, P.*, +, *TVT June 2020 6541-6553*
- Tensor Communication Waveform Design With Semi-Blind Receiver in the MIMO System. *Dou, Z.*, +, *TVT Feb. 2020 1727-1740*
- Uplink Channel Estimation With Hardware Imperfections, Antenna Position Error and Channel Correlation for Nested and Linear Array Antennas. *Azam, M.A.*, +, *TVT Dec. 2020 15412-15426*
- Uplink NOMA Random Access Systems With Space-Time Line Code. *Seo, J.*, +, *TVT April 2020 4522-4526*
- Variable-Block-Length Joint Channel Estimation and Data Detection for Spatial Modulation Over Time-Varying Channels. *Akiba, Y.*, +, *TVT Nov. 2020 13964-13969*
- Virtual Angular-Domain Channel Estimation for FDD Based Massive MIMO Systems With Partial Orthogonal Pilot Design. *Zhao, P.*, +, *TVT May 2020 5164-5178*
- When to Realign the Receive Beam in High Mobility V2X Communications?. *Kang, Y.*, +, *TVT Nov. 2020 13180-13195*
- Wideband Ultrasonic Acoustic Underwater Channels: Measurements and Characterization. *Lopez-Fernandez, J.*, +, *TVT April 2020 4019-4032*
- Channel models**
- A Novel Atmosphere-Informed Data-Driven Predictive Channel Modeling for B5G/6G Satellite-Terrestrial Wireless Communication Systems at Q-Band. *Bai, L.*, +, *TVT Dec. 2020 14225-14237*
- A Study of 2D Non-Stationary Massive MIMO Channels by Transformation of Delay and Angular Power Spectral Densities. *Lopez, C.F.*, +, *TVT Dec. 2020 14212-14224*
- Channel Modeling for UAV-Based Optical Wireless Links With Nonzero Boresight Pointing Errors. *Dabiri, M.T.*, +, *TVT Dec. 2020 14238-14246*
- Proposed ITU-R Compatible Inter-Site and Inter-Sector Interference Models for LTE-Advanced Networks. *Ameen, A.S.*, +, *TVT Dec. 2020 14304-14315*
- Channel state information**
- Stochastic Hybrid Combining Design for Quantized Massive MIMO Systems. *Wang, Y.*, +, *TVT Dec. 2020 16224-16229*
- Chaos**
- Design of a Superposition Coding PPM-DCSK System for Downlink Multi-User Transmission. *Ma, H.*, +, *TVT Feb. 2020 1666-1678*
- Full Session Key Agreement Scheme Based on Chaotic Map in Vehicular Ad Hoc Networks. *Cui, J.*, +, *TVT Aug. 2020 8914-8924*
- Chaotic communication**
- A Polarization MDCSK Modulation Without PDL Over Multipath Rayleigh Fading Channels. *Miao, M.*, +, *TVT June 2020 6813-6817*
- Design of a Superposition Coding PPM-DCSK System for Downlink Multi-User Transmission. *Ma, H.*, +, *TVT Feb. 2020 1666-1678*
- Energy Efficient Parallel Concatenated Index Modulation and M -ary PSK Aided OFDM-DCSK Communications With QoS Consideration. *Liu, Z.*, +, *TVT Sept. 2020 9469-9482*
- Intelligent and Reliable Deep Learning LSTM Neural Networks-Based OFDM-DCSK Demodulation Design. *Zhang, L.*, +, *TVT Dec. 2020 16163-16167*
- Joint Carrier-Code Index Modulation Aided M -Ary Differential Chaos Shift Keying System. *Cai, X.*, +, *TVT Dec. 2020 15486-15499*
- Charging stations**
- Optimal Charging and Routing of Electric Vehicles With Power Constraints and Time-of-Use Energy Prices. *Ferro, G.*, +, *TVT Dec. 2020 14436-14447*
- Circuit faults**
- A Comprehensive Analysis of Short-Circuit Fault in Wound-Rotor Resolvers. *Lasjerdi, H.*, +, *TVT Dec. 2020 14884-14892*
- Client-server systems**
- Edge-Facilitated Augmented Vision in Vehicle-to-Everything Networks. *Zhou, P.*, +, *TVT Oct. 2020 12187-12201*
- Closed loop systems**
- A Novel Terramechanics-Based Path-Tracking Control of Terrain-Based Wheeled Robot Vehicle With Matched-Mismatched Uncertainties. *Taghavifar, H.*, +, *TVT Jan. 2020 67-77*
- Adaptive Fuzzy Backstepping-Based Formation Control of Unmanned Surface Vehicles With Unknown Model Nonlinearity and Actuator Saturation. *Zhou, W.*, +, *TVT Dec. 2020 14749-14764*
- Neural Networks-Based Sliding Mode Fault-Tolerant Control for High-Speed Trains With Bounded Parameters and Actuator Faults. *Dong, H.*, +, *TVT Feb. 2020 1353-1362*
- Rear-Steering Based Decentralized Control of Four-Wheel Steering Vehicle. *Wu, Y.*, +, *TVT Oct. 2020 10899-10913*
- Variable-Performance Servo System Design Without Actuator Current and Angle Measurement for Rover Vehicles. *Kim, S.*, +, *TVT Nov. 2020 12725-12733*
- Closed-form solutions**
- Power Allocation and Outage Analysis for Secure MISO Cognitive Radio Networks With an Unknown Eavesdropper. *Jia, S.*, +, *TVT Dec. 2020 16294-16298*
- Cloud computing**
- A Blockchain-Based Searchable Public-Key Encryption With Forward and Backward Privacy for Cloud-Assisted Vehicular Social Networks. *Chen, B.*, +, *TVT June 2020 5813-5825*
- A Lightweight Mutual Authentication Protocol for V2V Communication in Internet of Vehicles. *Vasudev, H.*, +, *TVT June 2020 6709-6717*
- A Low-Latency Object Detection Algorithm for the Edge Devices of IoT Systems. *Dai, C.*, +, *TVT Oct. 2020 11169-11178*
- A Secure and Verifiable Data Sharing Scheme Based on Blockchain in Vehicular Social Networks. *Fan, K.*, +, *TVT June 2020 5826-5835*
- A Secure Flexible and Tampering-Resistant Data Sharing System for Vehicular Social Networks. *Sun, J.*, +, *TVT Nov. 2020 12938-12950*
- A Two-Timescale Approach for Network Slicing in C-RAN. *Zhang, H.*, +, *TVT June 2020 6656-6669*
- An Identity-Based and Revocable Data-Sharing Scheme in VANETs. *Hornig, S.*, +, *TVT Dec. 2020 15933-15946*
- Analysis of Traffic Performance on Network Slicing Using Complex Network Theory. *Guan, W.*, +, *TVT Dec. 2020 15188-15199*
- ARFV: An Efficient Shared Data Auditing Scheme Supporting Revocation for Fog-Assisted Vehicular Ad-Hoc Networks. *Cui, M.*, +, *TVT Dec. 2020 15815-15827*

- Blockchain Meets Edge Computing: Stackelberg Game and Double Auction Based Task Offloading for Mobile Blockchain. *Guo, S.*, +, *TVT May 2020 5549-5561*
- Capacity-Aware Edge Caching in Fog Computing Networks. *Li, Q.*, +, *TVT Aug. 2020 9244-9248*
- Cloudlet-Based Intelligent Auctioning Agents for Truthful Autonomous Electric Vehicles Energy Crowdsourcing. *Yassine, A.*, +, *TVT May 2020 5457-5466*
- Computation Offloading in Hierarchical Multi-Access Edge Computing Based on Contract Theory and Bayesian Matching Game. *Su, C.*, +, *TVT Nov. 2020 13686-13701*
- Content Delivery Based on Vehicular Cloud. *Wang, X.*, +, *TVT Feb. 2020 2105-2113*
- Cooperative Offloading and Resource Management for UAV-Enabled Mobile Edge Computing in Power IoT System. *Liu, Y.*, +, *TVT Oct. 2020 12229-12239*
- Deep Reinforcement Learning-Based Adaptive Computation Offloading for MEC in Heterogeneous Vehicular Networks. *Ke, H.*, +, *TVT July 2020 7916-7929*
- DEFT: Decentralized Multiuser Computation Offloading in a Fog-Enabled IoV Environment. *Deb, P.K.*, +, *TVT Dec. 2020 15978-15987*
- Edge Computing Resources Reservation in Vehicular Networks: A Meta-Learning Approach. *Chen, D.*, +, *TVT May 2020 5634-5646*
- Edge Computing-Based Collaborative Vehicles 3D Mapping in Real Time. *Wen, S.*, +, *TVT Nov. 2020 12470-12481*
- Edge Intelligence for Energy-Efficient Computation Offloading and Resource Allocation in 5G Beyond. *Dai, Y.*, +, *TVT Oct. 2020 12175-12186*
- Edge-Facilitated Augmented Vision in Vehicle-to-Everything Networks. *Zhou, P.*, +, *TVT Oct. 2020 12187-12201*
- Efficient 3D Road Map Data Exchange for Intelligent Vehicles in Vehicular Fog Networks. *Ho, I.W.*, +, *TVT March 2020 3151-3165*
- Energy-Efficient Robust Computation Offloading for Fog-IoT Systems. *Wu, Z.*, +, *TVT April 2020 4417-4425*
- Forecasts of Electric Vehicle Energy Consumption Based on Characteristic Speed Profiles and Real-Time Traffic Data. *Morlock, F.*, +, *TVT Feb. 2020 1404-1418*
- HetMEC: Heterogeneous Multi-Layer Mobile Edge Computing in the 6 G Era. *Zhang, Y.*, +, *TVT April 2020 4388-4400*
- Hierarchical Offloading for Delay-Constrained Applications in Fog RAN. *Guo, K.*, +, *TVT April 2020 4257-4270*
- Joint Channel Allocation and Resource Management for Stochastic Computation Offloading in MEC. *Ren, J.*, +, *TVT Aug. 2020 8900-8913*
- Joint Long-Term Energy Efficiency Optimization in C-RAN With Hybrid Energy Supply. *Xu, B.*, +, *TVT Oct. 2020 11128-11138*
- Joint Resource Allocation and Computation Offloading With Time-Varying Fading Channel in Vehicular Edge Computing. *Li, S.*, +, *TVT March 2020 3384-3398*
- Joint Task Offloading and Payment Determination for Mobile Edge Computing: A Stable Matching Based Approach. *Wang, X.*, +, *TVT Oct. 2020 12148-12161*
- Latency Optimization for Cellular Assisted Mobile Edge Computing via Non-Orthogonal Multiple Access. *Qian, L.*, +, *TVT May 2020 5494-5507*
- Learning Based Joint Cache and Power Allocation in Fog Radio Access Networks. *Rahman, G.M.S.*, +, *TVT April 2020 4401-4411*
- Let's Share the Resource When We're Co-Located: Colocation Edge Computing. *Nguyen, M.N.H.*, +, *TVT May 2020 5618-5633*
- Lifetime Maximization in Mobile Edge Computing Networks. *Gupta, S.*, +, *TVT March 2020 3310-3321*
- Lightweight and Privacy-Preserving ID-as-a-Service Provisioning in Vehicular Cloud Computing. *Yao, Y.*, +, *TVT Feb. 2020 2185-2194*
- Low-Latency Segmented List-Pruning Software Polar List Decoder. *Shen, Y.*, +, *TVT April 2020 3575-3589*
- Mobile Vehicles as Fog Nodes for Latency Optimization in Smart Cities. *Tang, C.*, +, *TVT Sept. 2020 9364-9375*
- Mobility-Aware Multi-User Offloading Optimization for Mobile Edge Computing. *Zhan, W.*, +, *TVT March 2020 3341-3356*
- Multi-Armed Bandit Learning for Computation-Intensive Services in MEC-Empowered Vehicular Networks. *Dai, P.*, +, *TVT July 2020 7821-7834*
- Multicast Beamforming Optimization in Cloud-Based Heterogeneous Terrestrial and Satellite Networks. *Zhang, H.*, +, *TVT Feb. 2020 1766-1776*
- Online Computation Offloading and Traffic Routing for UAV Swarms in Edge-Cloud Computing. *Liu, B.*, +, *TVT Aug. 2020 8777-8791*
- Performance Analysis of a Delay Constrained Data Offloading Scheme in an Integrated Cloud-Fog-Edge Computing System. *Fantacci, R.*, +, *TVT Oct. 2020 12004-12014*
- Performance Analysis of an Edge Computing SaaS System for Mobile Users. *Bonadio, A.*, +, *TVT Feb. 2020 2049-2057*
- Private Uplink Communication in C-RAN With Untrusted Radios. *Taghizadeh, O.*, +, *TVT July 2020 8034-8039*
- QoE-Driven Transmission-Aware Cache Placement and Cooperative Beamforming Design in Cloud-RANs. *Sun, R.*, +, *TVT Jan. 2020 636-650*
- QoS Guaranteed Edge Cloud Resource Provisioning for Vehicle Fleets. *Tang, G.*, +, *TVT June 2020 5889-5900*
- Real-Time Model Predictive Powertrain Control for a Connected Plug-In Hybrid Electric Vehicle. *Oncken, J.*, +, *TVT Aug. 2020 8420-8432*
- Reducing Offloading Latency for Digital Twin Edge Networks in 6G. *Sun, W.*, +, *TVT Oct. 2020 12240-12251*
- Remote Radio Head Activation and User Association in Dense C-RANs. *Wu, Z.*, +, *TVT Oct. 2020 12216-12228*
- Secure Real-Time Traffic Data Aggregation With Batch Verification for Vehicular Cloud in VANETs. *Shen, J.*, +, *TVT Jan. 2020 807-817*
- Space-Domain Index Modulation for mmWave Cloud Radio Access Networks. *Luo, S.*, +, *TVT June 2020 6215-6229*
- T-Safe: Trustworthy Service Provisioning for IoT-Based Intelligent Transport Systems. *Dass, P.*, +, *TVT Sept. 2020 9509-9517*
- The Fabric ICT Platform for Managing Wireless Dynamic Charging Road Lanes. *Cirimele, V.*, +, *TVT March 2020 2501-2512*
- TrustAccess: A Trustworthy Secure Ciphertext-Policy and Attribute Hiding Access Control Scheme Based on Blockchain. *Gao, S.*, +, *TVT June 2020 5784-5798*
- Unified Biometric Privacy Preserving Three-Factor Authentication and Key Agreement for Cloud-Assisted Autonomous Vehicles. *Jiang, Q.*, +, *TVT Sept. 2020 9390-9401*
- Velocity-Free Localization of Autonomous Driverless Vehicles in Underground Intelligent Mines. *Dong, L.*, +, *TVT Sept. 2020 9292-9303*
- Cluster computing**
- A Low-Latency Object Detection Algorithm for the Edge Devices of IoV Systems. *Dai, C.*, +, *TVT Oct. 2020 11169-11178*
- Clustering algorithms**
- Efficient Subchannel Allocation Based on Partial Clustered Interference Alignment and Clusters Merging in Dense Small Cell Networks. *Zhang, H.*, +, *TVT Dec. 2020 16191-16196*
- Clutches**
- Adaptive Feed-Forward Control of the Clutch Filling Phase for Wet Dual Clutch Transmission. *Jung, S.*, +, *TVT Sept. 2020 9577-9588*
- Coordinate Receding Horizon Control for the Power-Shift Process of Multi-speed Electric Vehicles. *Liu, Q.*, +, *TVT Jan. 2020 1055-1059*
- Design and Modeling of Energy Efficient Dual Clutch Transmission With Ball-Ramp Self-Energizing Mechanism. *Kim, D.*, +, *TVT March 2020 2525-2536*
- E-Clutch Torque Control Including Compensation of Thermal Expansion Effects. *Skugor, B.*, +, *TVT Jan. 2020 246-257*
- Efficient Mode Transition Control for Parallel Hybrid Electric Vehicle With Adaptive Dual-Loop Control Framework. *Yang, C.*, +, *TVT Feb. 2020 1519-1532*
- Clutter**
- Adaptive Switching Spatial-Temporal Fusion Detection for Remote Flying Drones. *Xie, J.*, +, *TVT July 2020 6964-6976*
- CMOS integrated circuits**
- Improving Massive MIMO Message Passing Detectors With Deep Neural Network. *Tan, X.*, +, *TVT Feb. 2020 1267-1280*

Cochannel interference

- A New IDMA System Based on CSK Modulation for Multiuser Underwater Acoustic Communications. *Jing, L., +, TVT March 2020 3080-3092*
- Analysis of MRC With η - μ Co-Channel Interference. *Srinivasan, M., +, TVT Jan. 2020 738-745*
- Analysis of Self-Interference Cancellation Under Phase Noise, CFO, and IQ Imbalance in GFDM Full-Duplex Transceivers. *Mohammadian, A., +, TVT Jan. 2020 700-713*
- Impact of Co-Channel Interference and Vehicles as Obstacles on Full-Duplex V2V Cooperative Wireless Network. *Eshteiwi, K., +, TVT July 2020 7503-7517*
- Iterative Processing Structure for the Single-Channel Mixture of Digital-Modulated Adjacent-Frequency Source Signals. *Yang, Y., +, TVT Feb. 2020 1639-1650*
- Learn to Coloring: Fast Response to Perturbation in UAV-Assisted Disaster Relief Networks. *Wang, B., +, TVT March 2020 3505-3509*
- On the Throughput of Interference-Based Wireless Powered Communications With Receive Antenna Selection. *Al-Badarneh, Y.H., +, TVT March 2020 3048-3056*
- Performance of SWIPT for Full-Duplex Relay System With Co-Channel Interference. *Guo, J., +, TVT Feb. 2020 2311-2315*
- Resource Allocation and Basestation Placement in Downlink Cellular Networks Assisted by Multiple Wireless Powered UAVs. *Yin, S., +, TVT Feb. 2020 2171-2184*
- Towards Anti-Interference Human Activity Recognition Based on WiFi Sub-carrier Correlation Selection. *Huang, J., +, TVT June 2020 6739-6754*

Code division multiple access

- 3D-MIMO Dual Communications in SCMA-Based Secure HetNets. *Abedi, M.R., +, TVT Aug. 2020 8499-8513*
- Complementary Coded CDMA Systems With CP-Free OFDM. *Wang, X., +, TVT Oct. 2020 11515-11528*
- Delayed Bit Interleaved Coded Sparse Code Multiple Access. *Mheich, Z., +, TVT July 2020 8018-8022*
- Efficient Resource Allocation in SCMA-Enabled Device-to-Device Communication for 5G Networks. *Sultana, A., +, TVT May 2020 5343-5354*
- Identical Code Cyclic Shift Multiple Access—A Bridge Between CDMA and NOMA. *Liu, X., +, TVT March 2020 2878-2890*
- Modeling Impact of Concurrent Transmissions in Cluster Based Mobile Caching Networks. *Ahmed, A., +, TVT April 2020 4601-4605*

Codes

- Decentralized Coded Caching Scheme With Heterogeneous File Sizes. *Zheng, L., +, TVT Jan. 2020 818-827*
- Performance Analysis on Distributed Storage Systems in Ring Networks. *Qu, S., +, TVT July 2020 7762-7777*

Coding errors

- Throughput Analysis of Low-Latency IoT Systems With QoS Constraints and Finite Blocklength Codes. *Hu, Y., +, TVT March 2020 3093-3104*

Cognitive radio

- An Optimal Policy for Hybrid Channel Access in Cognitive Radio Networks With Energy Harvesting. *Tayel, A.F., +, TVT Oct. 2020 11253-11265*
- Channel-Aware Power Allocation and Decoding Order in Overlay Cognitive NOMA Networks. *Li, G., +, TVT June 2020 6511-6524*
- Characterization and Performance Improvement of Cooperative Wireless Networks With Nonlinear Power Amplifier at Relay. *Majidi, M., +, TVT March 2020 3244-3255*
- Co-Channel Secondary Deployment Over DTV Bands Using Reconfigurable Radios. *Thakur, A., +, TVT Oct. 2020 12202-12215*
- Cognitive Radio Network Assisted by OFDM With Index Modulation. *Li, J., +, TVT Jan. 2020 1106-1110*
- Degrees of Freedom for Half-Duplex and Full-Duplex Multi-User Cognitive Radios. *Li, D., +, TVT March 2020 2812-2827*
- Design of Optimal Non-Uniform Quantizer in Imperfect Noisy Reporting Channels for Collaborative Spectrum Sensing. *Naderipour, M., +, TVT Nov. 2020 12870-12882*
- Energy-Aware Relay Selection Improves Security-Reliability Tradeoff in Energy Harvesting Cooperative Cognitive Radio Systems. *Yan, P., +, TVT May 2020 5115-5128*

- Energy-Efficient Channel Switching in Cognitive Radio Networks: A Reinforcement Learning Approach. *Ding, H., +, TVT Oct. 2020 12359-12362*
- Full-Duplex Non-Orthogonal Multiple Access Cooperative Spectrum-Sharing Networks With Non-Linear Energy Harvesting. *Hakimi, A., +, TVT Oct. 2020 10925-10936*
- HetMEC: Heterogeneous Multi-Layer Mobile Edge Computing in the 6 G Era. *Zhang, Y., +, TVT April 2020 4388-4400*
- Impact of Battery Charging on Spectrum Sensing of CRN With Energy Harvesting. *Zheng, K., +, TVT July 2020 7545-7557*
- Intelligent Reflecting Surface Aided MIMO Cognitive Radio Systems. *Zhang, L., +, TVT Oct. 2020 11445-11457*
- Joint Scheduling and Precoding for mmWave and Sub-6GHz Dual-Mode Networks. *Cheng, M., +, TVT Nov. 2020 13098-13111*
- Location Based Joint Spectrum Sensing and Radio Resource Allocation in Cognitive Radio Enabled LTE-U Systems. *Yang, Q., +, TVT March 2020 2967-2979*
- Neural Network-Based Relay Selection in Two-Way SWIPT-Enabled Cognitive Radio Networks. *Zhang, Z., +, TVT June 2020 6264-6274*
- On Outage Analysis in SWIPT Enabled Bidirectional D2D Communications Using Spectrum Sharing in Cellular Networks. *Ghosh, S., +, TVT Sept. 2020 10167-10176*
- On the Performance of Multihop Cognitive Wireless Powered D2D Communications in WSNs. *Nguyen, T.V., +, TVT March 2020 2684-2699*
- Outage Analysis in Cognitive Radio Networks With Energy Harvesting and Q-Routing. *Paul, A., +, TVT June 2020 6755-6765*
- Outage of Cognitive Electric Vehicle Networks Over Mixed RF/VLC Channels With Signal-Dependent Noise and Imperfect CSI. *Nauryzbayev, G., +, TVT June 2020 6828-6832*
- Performance Analysis and Optimization of Bidirectional Overlay Cognitive Radio Networks With Hybrid-SWIPT. *Prathima, A., +, TVT Nov. 2020 13467-13481*
- Power Allocation and Outage Analysis for Secure MISO Cognitive Radio Networks With an Unknown Eavesdropper. *Jia, S., +, TVT Dec. 2020 16294-16298*
- Radar Sensing-Throughput Tradeoff for Radar Assisted Cognitive Radio Enabled Vehicular Ad-Hoc Networks. *Huang, S., +, TVT July 2020 7483-7492*
- Research on Cognitive Power Allocation for Secure Millimeter-Wave NOMA Networks. *Song, Y., +, TVT Nov. 2020 13424-13436*
- Secrecy Performance Analysis of UAV Assisted Relay Transmission for Cognitive Network With Energy Harvesting. *Ji, B., +, TVT July 2020 7404-7415*
- Statistical Modelling of Dynamic Interference Threshold and Its Effect on Network Capacity. *Kachroo, A., +, TVT May 2020 5102-5114*
- Streaming Delay-, Expenditure- and Quality-Balanced Video Over TV White Space. *Wang, M., +, TVT April 2020 4042-4057*
- Subcarrier Assignment Schemes Based on Q-Learning in Wideband Cognitive Radio Networks. *Zhou, Y., +, TVT Jan. 2020 1168-1172*
- Tensor Communication Waveform Design With Semi-Blind Receiver in the MIMO System. *Dou, Z., +, TVT Feb. 2020 1727-1740*
- Unsupervised Deep Spectrum Sensing: A Variational Auto-Encoder Based Approach. *Xie, J., +, TVT May 2020 5307-5319*

Coils

- An Improved Mutual Inductance Electromagnetic Model for Inductive Power Transfer Systems Under Misalignment Conditions. *Oliveira, R., +, TVT June 2020 6079-6093*
- Mechanism Investigation of Ring Type Winding in Linear Permanent Magnet Vernier Machine for Improving Force Density. *Bian, F., +, TVT March 2020 2588-2597*
- Mutual Inductance and Load Identification Method for Inductively Coupled Power Transfer System Based on Auxiliary Inverter. *Sheng, X., +, TVT Feb. 2020 1533-1541*
- New Integrated Tripolar Pad Using Double-Sided LCC Compensation for Wireless Power Transfer. *Mosammam, B.M., +, TVT Dec. 2020 15633-15643*
- Protection Strategy for Wireless Charging Electrical Vehicles. *Zhou, H., +, TVT Nov. 2020 13510-13520*

Reducing Road Wear While Ensuring Comfort and Charging Constraints for Dynamically Charged Passenger Vehicles Through Noise-Shaped Path Variations. *Ferrin, C., +, TVT May 2020 4803-4816*

Collaboration

A Game Theoretic Scheme for Collaborative Vehicular Task Offloading in 5G HetNets. *Hui, Y., +, TVT Dec. 2020 16044-16056*

Collision avoidance

A Hierarchical Architecture Using Biased Min-Consensus for USV Path Planning. *Yao, P., +, TVT Sept. 2020 9518-9527*

A Novel Local Motion Planning Framework for Autonomous Vehicles Based on Resistance Network and Model Predictive Control. *Huang, Y., +, TVT Jan. 2020 55-66*

Ant-Colony-Based Complete-Coverage Path-Planning Algorithm for Underwater Gliders in Ocean Areas With Thermoclines. *Han, G., +, TVT Aug. 2020 8959-8971*

Collision Imminent Steering at High Speed Using Nonlinear Model Predictive Control. *Wurts, J., +, TVT Aug. 2020 8278-8289*

Completion Time Minimization for Turning Angle-Constrained UAV-to-UAV Communications. *Wang, H., +, TVT April 2020 4569-4574*

Coordinated Control in the Presence of Actuator Saturation for Multiple High-Speed Trains in the Moving Block Signaling System Mode. *Bai, W., +, TVT Aug. 2020 8054-8064*

Deep Reinforcement Learning for UAV Navigation Through Massive MIMO Technique. *Huang, H., +, TVT Jan. 2020 1117-1121*

Dynamics-Constrained Global-Local Hybrid Path Planning of an Autonomous Surface Vehicle. *Wang, N., +, TVT July 2020 6928-6942*

Enhancing the Fuel-Economy of V2I-Assisted Autonomous Driving: A Reinforcement Learning Approach. *Liu, X., +, TVT Aug. 2020 8329-8342*

Evaluating Model Predictive Path Following and Yaw Stability Controllers for Over-Actuated Autonomous Electric Vehicles. *Zhang, W., +, TVT Nov. 2020 12807-12821*

Introduction to the Special Section on Connected and Autonomous Vehicles: Technologies, Methodologies, and Applications. *Liu, J., +, TVT Sept. 2020 9251-9252*

Motion Planning Approach Considering Localization Uncertainty. *Artunedo, A., +, TVT June 2020 5983-5994*

Multiobjective Optimization of Lane-Changing Strategy for Intelligent Vehicles in Complex Driving Environments. *Zhou, J., +, TVT Feb. 2020 1291-1308*

Optimal Path Planning and Speed Control Integration Strategy for UGVs in Static and Dynamic Environments. *Ren, H., +, TVT Oct. 2020 10619-10629*

Path Tracking and Handling Stability Control Strategy With Collision Avoidance for the Autonomous Vehicle Under Extreme Conditions. *Chen, Y., +, TVT Dec. 2020 14602-14617*

RACE: Reinforced Cooperative Autonomous Vehicle Collision Avoidance. *Yuan, Y., +, TVT Sept. 2020 9279-9291*

Short-Term Multi-Vehicle Trajectory Planning for Collision Avoidance. *Nakamura, A., +, TVT Sept. 2020 9253-9264*

Single-Photon Detection Approach for Autonomous Vehicles Sensing. *Du, P., +, TVT June 2020 6067-6078*

Voronoi-Based Multi-Robot Autonomous Exploration in Unknown Environments via Deep Reinforcement Learning. *Hu, J., +, TVT Dec. 2020 14413-14423*

Combinatorial mathematics

Time-Expanded Graph Based Energy-Efficient Delay-Bounded Multicast Over Satellite Networks. *Shi, K., +, TVT Sept. 2020 10380-10384*

Combined source-channel coding

A Novelty in Blahut-Arimoto Type Algorithms: Optimal Control Over Noisy Communication Channels. *Zamanipour, M., TVT June 2020 6348-6358*

Design and Analysis of Joint Source Channel Coding Schemes Over Non-Standard Coding Channels. *Chen, Q., +, TVT May 2020 5369-5380*

Communication channels

Generation of Cooperative Perception Messages for Connected and Automated Vehicles. *Thandavarayan, G., +, TVT Dec. 2020 16336-16341*

Communication complexity

Detection Algorithm for Single-Carrier Spatial Modulation Signals in Frequency-Selective Fading Channels. *Lai, K., +, TVT Nov. 2020 13341-13356*

Energy-Saving Deployment Algorithms of UAV Swarm for Sustainable Wireless Coverage. *Zhang, X., +, TVT Sept. 2020 10320-10335*

Joint Uplink/Downlink Discrete Sum Rate Maximization for Full-Duplex Multicell Heterogeneous Networks. *Li, Q., +, TVT March 2020 2758-2770*

Low-Complexity Subarray-Based RF Precoding for Wideband Multiuser Millimeter Wave Systems. *Ni, Z., +, TVT July 2020 8028-8033*

Reduced-Complexity Low-Latency Logarithmic Successive Cancellation Stack Polar Decoding for 5G New Radio and Its Software Implementation. *Xiang, L., +, TVT Nov. 2020 12449-12458*

Traffic Differentiated Clustering Routing in DSRC and C-V2X Hybrid Vehicular Networks. *Qi, W., +, TVT July 2020 7723-7734*

Communication networks

A Joint Design of Platoon Communication and Control Based on LTE-V2V. *Hong, C., +, TVT Dec. 2020 15893-15907*

An Autonomous Transmission Scheme Using Dueling DQN for D2D Communication Networks. *Ban, T., TVT Dec. 2020 16348-16352*

Communication system security

Corrections to "Energy-Efficient and Secure Air-to-Ground Communication With Jittering UAV". *Wu, H., +, TVT Sept. 2020 10397*

Incentivizing Resource Cooperation for Blockchain Empowered Wireless Power Transfer in UAV Networks. *Jiang, L., +, TVT Dec. 2020 15828-15841*

On The Secrecy Performance Over N-Wave With Diffuse Power Fading Channel. *Sanchez, J.D.V., +, TVT Dec. 2020 15137-15148*

Power Allocation and Outage Analysis for Secure MISO Cognitive Radio Networks With an Unknown Eavesdropper. *Jia, S., +, TVT Dec. 2020 16294-16298*

Communication systems

Joint MIMO Communication and MIMO Radar Under Different Practical Waveform Constraints. *He, X., +, TVT Dec. 2020 16342-16347*

Optimal Pilot Power Based Channel Estimation Improves the Throughput of Intelligent Reflective Surface Assisted Systems. *An, J., +, TVT Dec. 2020 16202-16206*

Reconfigurable Intelligent Surface (RIS)-Enhanced Two-Way OFDM Communications. *Pradhan, C., +, TVT Dec. 2020 16270-16275*

Commutation

Development of an Electric Vehicle Synchronous Reluctance Motor Drive. *Kumar, G.V., +, TVT May 2020 5012-5024*

Compensation

A Novel Terramechanics-Based Path-Tracking Control of Terrain-Based Wheeled Robot Vehicle With Matched-Mismatched Uncertainties. *Taghavifar, H., +, TVT Jan. 2020 67-77*

Energy-Efficient Speed Control of Electric Vehicles: Linear Matrix Inequality Approach. *Veysi, M., +, TVT Oct. 2020 10469-10483*

Interleaved Isolated Single-Phase PFC Converter Module for Three-Phase EV Charger. *Choi, S., +, TVT May 2020 4957-4967*

Maximum Torque Per Ampere (MTPA) Control of IPMSM Systems Based on Controller Parameters Self-Modification. *Wang, H., +, TVT March 2020 2613-2620*

Torque Ripple Minimization for Inter-Turn Short-Circuit Fault Based on Open-Winding Five Phase FTFSCW-IPM Motor for Electric Vehicle Application. *Fan, Y., +, TVT Jan. 2020 282-292*

Complex networks

Analysis of Traffic Performance on Network Slicing Using Complex Network Theory. *Guan, W., +, TVT Dec. 2020 15188-15199*

Complex Network Analysis of VANET Topology With Realistic Vehicular Traces. *Qu, X., +, TVT April 2020 4426-4438*

Complexity theory

Analysis and Improvement of Error-Floor Performance for JSCC Scheme Based on Double Protograph LDPC Codes. *Chen, Q., +, TVT Dec. 2020 14316-14329*

Automatic Virtual Test Technology for Intelligent Driving Systems Considering Both Coverage and Efficiency. *Gao, F., +, TVT Dec. 2020 14365-14376*

Efficient Subchannel Allocation Based on Partial Clustered Interference Alignment and Clusters Merging in Dense Small Cell Networks. *Zhang, H., +, TVT Dec. 2020 16191-16196*

Fast Specific Absorption Rate Aware Beamforming for Downlink SWIPT via Deep Learning. *Zhang, J., +, TVT Dec. 2020 16178-16182*

Low Complexity Iterative Rake Decision Feedback Equalizer for Zero-Padded OTFS Systems. *Thaj, T., +, TVT Dec. 2020 15606-15622*

Pilot Length and Channel Estimation for Massive MIMO IoT Systems. *Yan, H., +, TVT Dec. 2020 15532-15544*

Sparsely Connected CNN for Efficient Automatic Modulation Recognition. *Tunze, G.B., +, TVT Dec. 2020 15557-15568*

Throughput of CDM-Based Random Access With SINR Capture. *Choi, H., +, TVT Dec. 2020 15046-15056*

Compounds

JRNet: Jamming Recognition Networks for Radar Compound Suppression Jamming Signals. *Qu, Q., +, TVT Dec. 2020 15035-15045*

Compressed sensing

A Deep-Learning Method for Device Activity Detection in mMTC Under Imperfect CSI Based on Variational-Autoencoder. *Zhao, T., +, TVT July 2020 7981-7986*

Capturing the Sparsity and Tracking the Channels for Massive MIMO Networks. *Mohammed, A., +, TVT Jan. 2020 685-699*

Compressive Sensing Based Channel Estimation for Millimeter-Wave Full-Dimensional MIMO With Lens-Array. *Wan, Z., +, TVT Feb. 2020 2337-2342*

Compressive Sensing Based Massive Access for IoT Relying on Media Modulation Aided Machine Type Communications. *Qiao, L., +, TVT Sept. 2020 10391-10396*

Deep Learning and Compressive Sensing-Based CSI Feedback in FDD Massive MIMO Systems. *Liang, P., +, TVT Aug. 2020 9217-9222*

DOA Estimation via Sparse Signal Recovery in 4-D Linear Antenna Arrays With Optimized Time Sequences. *Yang, F., +, TVT Jan. 2020 771-783*

Efficient Hardware for Generalized Turbo Signal Recovery in Compressed Sensing. *Zhang, C., +, TVT Feb. 2020 1245-1256*

Full Waveform LiDAR for Adverse Weather Conditions. *Wallace, A.M., +, TVT July 2020 7064-7077*

Joint User-Activity and Data Detection for Grant-Free Spatial-Modulated Multi-Carrier Non-Orthogonal Multiple Access. *Liu, Y., +, TVT Oct. 2020 11673-11684*

Kalman Filter Based Recursive Estimation of Slowly Fading Sparse Channel in Impulsive Noise Environment for OFDM Systems. *Lv, X., +, TVT March 2020 2828-2835*

LightAMC: Lightweight Automatic Modulation Classification via Deep Learning and Compressive Sensing. *Wang, Y., +, TVT March 2020 3491-3495*

Sparse-Encoded Codebook Index Modulation. *Arslan, E., +, TVT Aug. 2020 9126-9130*

Computational complexity

A Deep Learning Framework for Hybrid Beamforming Without Instantaneous CSI Feedback. *Elbir, A.M., TVT Oct. 2020 11743-11755*

A MIMO Detector With Deep Learning in the Presence of Correlated Interference. *Xia, J., +, TVT April 2020 4492-4497*

A Novel Downlink Interference Alignment Method for Multi-User MIMO System With No CSIT: A Space-Time Coding Approach. *Arti, M.K., TVT Oct. 2020 10937-10948*

A Novelty in Blahut-Arimoto Type Algorithms: Optimal Control Over Noisy Communication Channels. *Zamanipour, M., TVT June 2020 6348-6358*

A Pointer Network Based Deep Learning Algorithm for User Pairing in Full-Duplex Wi-Fi Networks. *Zhang, Y., +, TVT Oct. 2020 12363-12368*

A Polarization MDCSK Modulation Without PDL Over Multipath Rayleigh Fading Channels. *Miao, M., +, TVT June 2020 6813-6817*

A Sequential Subspace Method for Millimeter Wave MIMO Channel Estimation. *Zhang, W., +, TVT May 2020 5355-5368*

Accumulated Polar Feature-Based Deep Learning for Efficient and Lightweight Automatic Modulation Classification With Channel Compensation Mechanism. *Teng, C., +, TVT Dec. 2020 15472-15485*

Adaptive Bitrate Video Streaming in Non-Orthogonal Multiple Access Networks. *Zhang, J., +, TVT April 2020 3980-3993*

Adaptive Turbo Equalization for Differential OFDM Systems in Underwater Acoustic Communications. *Zhao, S., +, TVT Nov. 2020 13937-13941*

An Anti-Eavesdropping Strategy for Precoding-Aided Spatial Modulation With Rough CSI of Eve. *Xia, G., +, TVT Feb. 2020 2343-2347*

Approximate Gram-Matrix Interpolation for Wideband Massive MU-MIMO Systems. *Jeon, C., +, TVT May 2020 4677-4688*

Backscatter Communication via Harvest-Then-Transmit Relaying. *Li, D., TVT June 2020 6843-6847*

Blind Fast CFO Estimation and Performance Analysis for OFDM. *Meng, Y., +, TVT Oct. 2020 11501-11514*

Broad Echo State Network for Channel Prediction in MIMO-OFDM Systems. *Sui, Y., +, TVT Nov. 2020 13383-13399*

Cognitive Radio Network Assisted by OFDM With Index Modulation. *Li, J., +, TVT Jan. 2020 1106-1110*

Completion Time Minimization for Turning Angle-Constrained UAV-to-UAV Communications. *Wang, H., +, TVT April 2020 4569-4574*

Computation Offloading in Hierarchical Multi-Access Edge Computing Based on Contract Theory and Bayesian Matching Game. *Su, C., +, TVT Nov. 2020 13686-13701*

Computational Complexity Closed-Form Upper Bounds Derivation for Fingerprint-Based Point-of-Interest Recognition Algorithms. *Bisio, I., +, TVT Aug. 2020 9083-9096*

Content-Aware Traffic Data Completion in ITS Based on Generative Adversarial Nets. *Han, L., +, TVT Oct. 2020 11950-11962*

Convex Optimization-Based 2-D DOA Estimation With Enhanced Virtual Aperture and Virtual Snapshots Extension for L-Shaped Array. *Wu, R., +, TVT June 2020 6473-6484*

Cooperative Edge Caching With Location-Based and Popular Contents for Vehicular Networks. *Chen, J., +, TVT Sept. 2020 10291-10305*

Cooperative Scheduling for Pilot Reuse in Massive MIMO Systems. *Hua, Y., +, TVT Nov. 2020 12857-12869*

Decentralized Signal Detection via Expectation Propagation Algorithm for Uplink Massive MIMO Systems. *Zhang, Z., +, TVT Oct. 2020 11233-11240*

Deep Neural Network for Robust Modulation Classification Under Uncertain Noise Conditions. *Hu, S., +, TVT Jan. 2020 564-577*

Delay-Aware Resource Management for Multi-Service Coexisting LTE-D2D Networks With Wireless Network Virtualization. *Han, Y., +, TVT July 2020 7339-7353*

Direct Data Detection of OFDM Signals Over Wireless Channels. *Saci, A., +, TVT Nov. 2020 12432-12448*

Distributionally Robust Two-Stage Energy Management for Hybrid Energy Powered Cellular Networks. *Du, P., +, TVT Oct. 2020 12162-12174*

Dynamic Network Slicing and Resource Allocation in Mobile Edge Computing Systems. *Feng, J., +, TVT July 2020 7863-7878*

Efficient Design of Selective Mapping and Partial Transmit Sequence Using T-OFDM. *Ahmed, M.S., +, TVT March 2020 2636-2648*

Efficient DOA Estimation Method Using Bias-Compensated Adaptive Filtering. *Liu, C., +, TVT Nov. 2020 13087-13097*

Efficient Pre-Conditioned Descent Search Detector for Massive MU-MIMO. *Zhang, C., +, TVT May 2020 4663-4676*

Eight-Diagram Based Access Point Selection Algorithm for Indoor Localization. *Xue, W., +, TVT Nov. 2020 13196-13205*

Energy-Efficient Resource Allocation for High-Rate Underlay D2D Communications With Statistical CSI: A One-to-Many Strategy. *Li, R., +, TVT April 2020 4006-4018*

Extensionless Adaptive Transmitter and Receiver Windowing of Beyond 5G Frames. *Pekoz, B., +, TVT Feb. 2020 1888-1902*

Fast Adaptive Minorization-Maximization Procedure for Beamforming Design of Downlink NOMA Systems. *Lyons, O., +, TVT July 2020 8023-8027*

Fast Block Sequential Decoding of Polar Codes. *Trofimiuk, G., +, TVT Oct. 2020 10988-10999*

Federated Learning Assisted Multi-UAV Networks. *Zhang, H., +, TVT Nov. 2020 14104-14109*

- Groupwise Neighbor Examination for Tabu Search Detection in Large MIMO Systems. *Nguyen, N.T.*, +, *TVT Jan. 2020 1136-1140*
- Heuristic Monte Carlo Algorithm for Unmanned Ground Vehicles Realtime Localization and Mapping. *Chen, D.*, +, *TVT Oct. 2020 10642-10655*
- Hybrid Analog-Digital Beamforming Design for SE and EE Maximization in Massive MIMO Networks. *Ardah, K.*, +, *TVT Jan. 2020 377-389*
- Incentive-Aware Recruitment of Intelligent Vehicles for Edge-Assisted Mobile Crowdsensing. *Liu, L.*, +, *TVT Oct. 2020 12085-12097*
- Iterative NDA Positioning Using Angle-of-Arrival Measurements for IoT Sensor Networks. *Monfared, S.*, +, *TVT Oct. 2020 11369-11382*
- Iterative Processing Structure for the Single-Channel Mixture of Digital-Modulated Adjacent-Frequency Source Signals. *Yang, Y.*, +, *TVT Feb. 2020 1639-1650*
- Joint Long-Term Admission Control and Beamforming in Green Downlink Networks: Offline and Online Approaches. *Lin, J.*, +, *TVT Aug. 2020 8710-8724*
- Joint Optimal Software Caching, Computation Offloading and Communications Resource Allocation for Mobile Edge Computing. *Wen, W.*, +, *TVT July 2020 7879-7894*
- Joint Optimization of Offloading and Resources Allocation in Secure Mobile Edge Computing Systems. *Wang, J.*, +, *TVT Aug. 2020 8843-8854*
- Joint Radar-Communication With Cyclic Prefixed Single Carrier Waveforms. *Zeng, Y.*, +, *TVT April 2020 4069-4079*
- Large Kernel Polar Codes With Efficient Window Decoding. *Abbasi, F.*, +, *TVT Nov. 2020 14031-14036*
- Latency-Based Transmission Point Selection Algorithms in Wireless Networks. *Kim, E.*, +, *TVT Nov. 2020 14072-14077*
- Learning to Branch: Accelerating Resource Allocation in Wireless Networks. *Lee, M.*, +, *TVT Jan. 2020 958-970*
- Learning-Based Joint Optimization of Transmit Power and Harvesting Time in Wireless-Powered Networks With Co-Channel Interference. *Lee, K.*, +, *TVT March 2020 3500-3504*
- Low Complexity Least Minimum Symbol Error Rate Based Post-Distortion for Vehicular VLC. *Mitra, R.*, +, *TVT Oct. 2020 11800-11810*
- Low-Complexity Channel Estimation for Circular and Noncircular Signals in Virtual MIMO Vehicle Communication Systems. *Wang, X.*, +, *TVT April 2020 3916-3928*
- Low-Complexity Multicast Beamforming for Millimeter Wave Communications. *Li, Z.*, +, *TVT Oct. 2020 12317-12320*
- Machine Learning Enabling Analog Beam Selection for Concurrent Transmissions in Millimeter-Wave V2V Communications. *Yang, Y.*, +, *TVT Aug. 2020 9185-9189*
- Max-Min QoS Power Control in Generalized Cell-Free Massive MIMO-NOMA With Optimal Backhaul Combining. *Nguyen, T.K.*, +, *TVT Oct. 2020 10949-10964*
- Mean-Field Game Theoretic Edge Caching in Ultra-Dense Networks. *Kim, H.*, +, *TVT Jan. 2020 935-947*
- Mobility-Aware Subband and Beam Resource Allocation Schemes for Millimeter Wave Wireless Networks. *Shen, L.*, +, *TVT Oct. 2020 11893-11908*
- Modeling and Optimization of Mobility-Aware Dynamic Caching With Time-Varying Content Popularity. *Deng, T.*, +, *TVT Jan. 2020 1157-1162*
- Multi-Armed Bandit Learning for Computation-Intensive Services in MEC-Empowered Vehicular Networks. *Dai, P.*, +, *TVT July 2020 7821-7834*
- Multibeam Optimization for Joint Communication and Radio Sensing Using Analog Antenna Arrays. *Luo, Y.*, +, *TVT Oct. 2020 11000-11013*
- Multiple Delay Estimation for Collision Resolution in Non-Orthogonal Random Access. *Bai, L.*, +, *TVT Jan. 2020 497-508*
- Non-Redundant OFDM Receiver Windowing for 5G Frames and Beyond. *Pekoz, B.*, +, *TVT Jan. 2020 676-684*
- Novel Outage-Aware NOMA Protocol for Secrecy Fairness Maximization Among Untrusted Users. *Thapar, S.*, +, *TVT Nov. 2020 13259-13272*
- On the Multiplexing of Data and Metadata for Ultra-Reliable Low-Latency Communications in 5G. *Karimi, A.*, +, *TVT Oct. 2020 12136-12147*
- Online Computation Offloading and Traffic Routing for UAV Swarms in Edge-Cloud Computing. *Liu, B.*, +, *TVT Aug. 2020 8777-8791*
- Optimal Training Design for MIMO Amplify-and-Forward Two-Way Relay Systems in the Presence of Interference. *Chun, C.*, +, *TVT May 2020 5151-5163*
- Partial Tree Search Assisted Symbol Detection for Massive MIMO Systems. *Lu, H.*, +, *TVT Nov. 2020 13319-13327*
- Performance Analysis for Uplink Transmission in User-Centric Ultra-Dense V2I Networks. *Wu, P.*, +, *TVT Sept. 2020 9342-9355*
- Power Allocation for D2D Communications Using Max-Min Message-Passing Algorithm. *Rashed, S.K.*, +, *TVT Aug. 2020 8443-8458*
- Power Minimization for Secure Multi-User MISO NOMA System With Energy Harvesting. *Zhou, J.*, +, *TVT Sept. 2020 10046-10058*
- Precoded Index Modulation Based Multiple Access Scheme. *Belaoura, W.*, +, *TVT Nov. 2020 12912-12920*
- QoE Analysis in Cache-Enabled Multi-UAV Networks. *Bera, A.*, +, *TVT June 2020 6680-6687*
- QoS Constrained Pilot Allocation Scheme for Massive MIMO Systems. *Qi, C.*, +, *TVT May 2020 5661-5665*
- Reduced Complexity Sparse Recovery Detectors for Differential Space Shift Keying MIMO System. *Alshawaqfeh, M.*, +, *TVT April 2020 4558-4562*
- Remote Radio Head Activation and User Association in Dense C-RANs. *Wu, Z.*, +, *TVT Oct. 2020 12216-12228*
- Resource Allocation in Green Dense Cellular Networks: Complexity and Algorithms. *Mlika, Z.*, +, *TVT Feb. 2020 1994-2007*
- Signed Quadrature Spatial Modulation for MIMO Systems. *Abu-Hudrouss, A.M.*, +, *TVT March 2020 2740-2746*
- Soft List Decoding of Polar Codes. *Xiang, L.*, +, *TVT Nov. 2020 13921-13926*
- Soft-VAN: Mobility-Aware Task Offloading in Software-Defined Vehicular Network. *Misra, S.*, +, *TVT Feb. 2020 2071-2078*
- Sub-Channel Allocation for Full-Duplex Access and Device-to-Device Links Underlying Heterogeneous Cellular Networks Using Coalition Formation Games. *Chen, Y.*, +, *TVT Sept. 2020 9736-9749*
- Subchannel Allocation Based on Clustered Interference Alignment for Differentiated Data Streams in Dense Small Cell Networks. *Zhang, H.*, +, *TVT Nov. 2020 14049-14054*
- Target Tracking Initiation for Multi-Static Multi-Frequency PCL System. *Baek, J.*, +, *TVT Oct. 2020 10558-10568*
- Trajectory Optimization for UAVs' Efficient Charging in Wireless Rechargeable Sensor Networks. *Wu, P.*, +, *TVT April 2020 4207-4220*
- Truncated Tree Based Hybrid Beamforming for Multi-Panel MIMO. *Wang, W.*, +, *TVT Nov. 2020 13974-13978*
- UAV-Enabled Uplink Non-Orthogonal Multiple Access System: Joint Deployment and Power Control. *Lu, J.*, +, *TVT Sept. 2020 10090-10102*
- Whale Optimization Algorithm With Applications to Resource Allocation in Wireless Networks. *Pham, Q.*, +, *TVT April 2020 4285-4297*
- Computational geometry**
- Coverage Regions Under Multi-Slope Pathloss Propagation. *Briggs, K.*, +, *TVT Oct. 2020 11786-11789*
- Energy-Efficient UAV Routing for Wireless Sensor Networks. *Baek, J.*, +, *TVT Feb. 2020 1741-1750*
- Performance Analysis of MISINR User Association in 3-D Heterogeneous Cellular Networks. *Ding, H.*, +, *TVT April 2020 4119-4129*
- Computational modeling**
- A Game Theoretic Scheme for Collaborative Vehicular Task Offloading in 5G HetNets. *Hui, Y.*, +, *TVT Dec. 2020 16044-16056*
- A Hierarchical and Flexible Data-Driven Method for Online State-of-Health Estimation of Li-Ion Battery. *Liu, W.*, +, *TVT Dec. 2020 14739-14748*
- Adaptive Federated Learning With Gradient Compression in Uplink NOMA. *Sun, H.*, +, *TVT Dec. 2020 16325-16329*
- An MPC-Based Control Strategy for Electric Vehicle Battery Cooling Considering Energy Saving and Battery Lifespan. *Xie, Y.*, +, *TVT Dec. 2020 14657-14673*
- Attractive Ellipsoid Sliding Mode Observer Design for State of Charge Estimation of Lithium-Ion Cells. *Nath, A.*, +, *TVT Dec. 2020 14701-14712*
- PMSM Design for Achieving a Target Torque-Speed-Efficiency Map. *Candelo-Zuluaga, C.*, +, *TVT Dec. 2020 14448-14457*

- Priority-Aware Task Offloading in Vehicular Fog Computing Based on Deep Reinforcement Learning. *Shi, J.*, +, *TVT Dec. 2020 16067-16081*
- Resource Allocation for Edge Computing-Based Vehicle Platoon on Freeway: A Contract-Optimization Approach. *Yang, C.*, +, *TVT Dec. 2020 15988-16000*
- SecAuthUAV: A Novel Authentication Scheme for UAV-Ground Station and UAV-UAV Communication. *Alladi, T.*, +, *TVT Dec. 2020 15068-15077*
- Transparent and Accountable Vehicular Local Advertising With Practical Blockchain Designs. *Liu, D.*, +, *TVT Dec. 2020 15694-15705*
- Computer architecture**
- Energy-Efficient Massive MIMO With Decentralized Precoder Design. *Zhang, S.*, +, *TVT Dec. 2020 15370-15384*
- Minimum-Fuel Energy Management of a Hybrid Electric Vehicle via Iterative Linear Programming. *Robuschi, N.*, +, *TVT Dec. 2020 14575-14587*
- Seamless Mobility Under a Dedicated Distributed Antenna System for High-Speed Rail Networks. *Ali, W.*, +, *TVT Dec. 2020 15427-15441*
- SEARCH: An SDN-Enabled Approach for Vehicle Path-Planning. *Oubbati, O.S.*, +, *TVT Dec. 2020 14523-14536*
- Sizing of a Battery Pack Based on Series/Parallel Configurations for a High-Power Electric Vehicle as a Constrained Optimization Problem. *Pelletier, L.*, +, *TVT Dec. 2020 14150-14159*
- Sparsely Connected CNN for Efficient Automatic Modulation Recognition. *Tunze, G.B.*, +, *TVT Dec. 2020 15557-15568*
- Systematic Methodology for Architecture Generation and Design Optimization of Hybrid Powertrains. *Kabalan, B.*, +, *TVT Dec. 2020 14846-14857*
- Computer centers**
- Capacity-Aware Edge Caching in Fog Computing Networks. *Li, Q.*, +, *TVT Aug. 2020 9244-9248*
- Let's Share the Resource When We're Co-Located: Colocation Edge Computing. *Nguyen, M.N.H.*, +, *TVT May 2020 5618-5633*
- PARC: Placement Availability Resilient Controller Scheme for Software-Defined Datacenters. *Chaudhary, R.*, +, *TVT Aug. 2020 8985-9001*
- Computer crime**
- MAAuth-CAN: Masquerade-Attack-Proof Authentication for In-Vehicle Networks. *Jo, H.J.*, +, *TVT Feb. 2020 2204-2218*
- Computer games**
- Stabilization Approaches for Reinforcement Learning-Based End-to-End Autonomous Driving. *Chen, S.*, +, *TVT May 2020 4740-4750*
- Computer network management**
- A Distributed Mobile Fog Computing Scheme for Mobile Delay-Sensitive Applications in SDN-Enabled Vehicular Networks. *Lin, C.*, +, *TVT May 2020 5481-5493*
- Performance Optimization for Blockchain-Enabled Distributed Network Function Virtualization Management and Orchestration. *Fu, X.*, +, *TVT June 2020 6670-6679*
- Task Offloading in Vehicular Edge Computing Networks: A Load-Balancing Solution. *Zhang, J.*, +, *TVT Feb. 2020 2092-2104*
- Computer network performance evaluation**
- Performance Optimization for Blockchain-Enabled Distributed Network Function Virtualization Management and Orchestration. *Fu, X.*, +, *TVT June 2020 6670-6679*
- Computer network reliability**
- A Reliable Data Loss Aware Algorithm for Fog-IoT Networks. *Abkenar, F.S.*, +, *TVT May 2020 5718-5722*
- BSFP: Blockchain-Enabled Smart Parking With Fairness, Reliability and Privacy Protection. *Zhang, C.*, +, *TVT June 2020 6578-6591*
- Reducing Offloading Latency for Digital Twin Edge Networks in 6G. *Sun, W.*, +, *TVT Oct. 2020 12240-12251*
- Throughput Analysis of Low-Latency IoT Systems With QoS Constraints and Finite Blocklength Codes. *Hu, Y.*, +, *TVT March 2020 3093-3104*
- Computer network security**
- CANeLeon: Protecting CAN Bus With Frame ID Chameleon. *Cheng, K.*, +, *TVT July 2020 7116-7130*
- A Lightweight Mutual Authentication Protocol for V2V Communication in Internet of Vehicles. *Vasudev, H.*, +, *TVT June 2020 6709-6717*
- An Adaptive Resilient Load Frequency Controller for Smart Grids With DoS Attacks. *Lu, K.*, +, *TVT May 2020 4689-4699*
- An Efficient Decentralized Key Management Mechanism for VANET With Blockchain. *Ma, Z.*, +, *TVT June 2020 5836-5849*
- An Efficient Privacy-Preserving Authenticated Key Agreement Scheme for Edge-Assisted Internet of Drones. *Gope, P.*, +, *TVT Nov. 2020 13621-13630*
- Attribute-Based Encryption With Parallel Outsourced Decryption for Edge Intelligent IoV. *Feng, C.*, +, *TVT Nov. 2020 13784-13795*
- Blockchain Empowered Cooperative Authentication With Data Traceability in Vehicular Edge Computing. *Liu, H.*, +, *TVT April 2020 4221-4232*
- Detection of Low-Frequency and Multi-Stage Attacks in Industrial Internet of Things. *Li, X.*, +, *TVT Aug. 2020 8820-8831*
- FBIA: A Fog-Based Identity Authentication Scheme for Privacy Preservation in Internet of Vehicles. *Song, L.*, +, *TVT May 2020 5403-5415*
- Lightweight Blockchain Consensus Protocols for Vehicular Social Networks. *Zheng, Z.*, +, *TVT June 2020 5736-5748*
- On the Design of Conditional Privacy Preserving Batch Verification-Based Authentication Scheme for Internet of Vehicles Deployment. *Sutrala, A.K.*, +, *TVT May 2020 5535-5548*
- Performance Optimization for Blockchain-Enabled Distributed Network Function Virtualization Management and Orchestration. *Fu, X.*, +, *TVT June 2020 6670-6679*
- Preserving Privacy in WiFi Localization With Plausible Dummy Locations. *Zhao, P.*, +, *TVT Oct. 2020 11909-11925*
- T-Safe: Trustworthy Service Provisioning for IoT-Based Intelligent Transport Systems. *Dass, P.*, +, *TVT Sept. 2020 9509-9517*
- Computer networks**
- Capacity-Aware Edge Caching in Fog Computing Networks. *Li, Q.*, +, *TVT Aug. 2020 9244-9248*
- Network Function Virtualization Resource Allocation Based on Joint Benders Decomposition and ADMM. *Yu, Y.*, +, *TVT Feb. 2020 1706-1718*
- Computer simulation**
- Active Fault Diagnosis Method for Vehicles in Platoon Formation. *Lopes, A.*, +, *TVT April 2020 3590-3603*
- Computer vision**
- A Low-Latency Object Detection Algorithm for the Edge Devices of IoV Systems. *Dai, C.*, +, *TVT Oct. 2020 11169-11178*
- Inter-Vehicle Distance Estimation Method Based on Monocular Vision Using 3D Detection. *Zhe, T.*, +, *TVT May 2020 4907-4919*
- Single-Photon Detection Approach for Autonomous Vehicles Sensing. *Du, P.*, +, *TVT June 2020 6067-6078*
- Tsarray: An Intelligent Access Control System Using Backscatter Communication. *Chen, Y.*, +, *TVT Nov. 2020 13821-13835*
- Vehicle Type Recognition From Surveillance Data Based on Deep Active Learning. *Ding, X.*, +, *TVT March 2020 2477-2486*
- Vision-Based Personal Safety Messages (PSMs) Generation for Connected Vehicles. *Islam, M.*, +, *TVT Sept. 2020 9402-9416*
- Concatenated codes**
- Sphere Constraint Based Enumeration Methods to Analyze the Minimum Weight Distribution of Polar Codes. *Piao, J.*, +, *TVT Oct. 2020 11557-11569*
- Concave programming**
- 3D-MIMO Dual Communications in SCMA-Based Secure HetNets. *Abedi, M.R.*, +, *TVT Aug. 2020 8499-8513*
- A Joint Iterative Optimal Resource Allocation Algorithm for Non-Orthogonal Multi-User and Multi-Weight Opportunistic Beamforming Systems. *Sun, W.*, +, *TVT March 2020 2864-2877*
- A Model-Driven Deep Reinforcement Learning Heuristic Algorithm for Resource Allocation in Ultra-Dense Cellular Networks. *Liao, X.*, +, *TVT Jan. 2020 983-997*
- Analysis and Optimization of Random Caching in mmWave Heterogeneous Networks. *Yang, L.*, +, *TVT Sept. 2020 10140-10154*
- Cloud and Edge Multicast Beamforming for Cache-Enabled Ultra-Dense Networks. *Huang, W.*, +, *TVT March 2020 3481-3485*
- Common Throughput Maximization in Wireless Powered Communication Networks With Non-Orthogonal Multiple Access. *Chen, Z.*, +, *TVT July 2020 7692-7706*
- Completion Time Minimization for Turning Angle-Constrained UAV-to-UAV Communications. *Wang, H.*, +, *TVT April 2020 4569-4574*

- Computation-Efficient Offloading and Trajectory Scheduling for Multi-UAV Assisted Mobile Edge Computing. *Zhang, J.*, +, *TVT Feb. 2020 2114-2125*
- Dual-Use Signal Design for Radar and Communication via Ambiguity Function Sidelobe Control. *Yang, J.*, +, *TVT Sept. 2020 9781-9794*
- Energy Efficiency Maximization for Full-Duplex UAV Secrecy Communication. *Duo, B.*, +, *TVT April 2020 4590-4595*
- Energy- and Spectral-Efficiency Tradeoff With α -Fairness in Energy Harvesting D2D Communication. *Kuang, Z.*, +, *TVT Sept. 2020 9972-9983*
- Energy-Efficient Analog Combiner Design Using Low-Resolution Phase Shifters and Antenna Selection for mmWave D2D Communications. *Chen, J.*, *TVT Nov. 2020 13979-13984*
- Energy-Efficient and Secure Air-to-Ground Communication With Jittering UAV. *Wu, H.*, +, *TVT April 2020 3954-3967*
- Energy-Efficient Power Allocation and Q-Learning-Based Relay Selection for Relay-Aided D2D Communication. *Wang, X.*, +, *TVT June 2020 6452-6462*
- Energy-Efficient Resource Allocation for Latency-Sensitive Mobile Edge Computing. *Chen, X.*, +, *TVT Feb. 2020 2246-2262*
- Energy-Efficient UAV Routing for Wireless Sensor Networks. *Baek, J.*, +, *TVT Feb. 2020 1741-1750*
- Energy-Efficient UAV-Assisted Mobile Edge Computing: Resource Allocation and Trajectory Optimization. *Li, M.*, +, *TVT March 2020 3424-3438*
- Energy-Spectral Efficiency Optimization in Vehicular Communications: Joint Clustering and Pricing-Based Robust Power Control Approach. *Xie, Y.*, +, *TVT Nov. 2020 13673-13685*
- Generalized Space Domain Index Modulation for mmWave Distributed Antenna Systems. *Luo, S.*, +, *TVT Nov. 2020 14067-14071*
- Hybrid Analog-Digital Beamforming Design for SE and EE Maximization in Massive MIMO Networks. *Ardah, K.*, +, *TVT Jan. 2020 377-389*
- Information-Energy Region for SWIPT Networks in Mobility Scenarios. *Jiang, R.*, +, *TVT July 2020 7264-7280*
- Joint Beamforming Design and Receive Antenna Selection for Large-Scale MIMO Wiretap Channels. *Tian, M.*, +, *TVT March 2020 2716-2730*
- Joint Optimal Software Caching, Computation Offloading and Communications Resource Allocation for Mobile Edge Computing. *Wen, W.*, +, *TVT July 2020 7879-7894*
- Joint Power Allocation and Beamforming for Overlaid Secrecy Transmissions in MIMO-OFDM Channels. *Yuan, C.*, +, *TVT Sept. 2020 10019-10032*
- Learning-Based Joint Optimization of Transmit Power and Harvesting Time in Wireless-Powered Networks With Co-Channel Interference. *Lee, K.*, +, *TVT March 2020 3500-3504*
- MIMO Radar Transmit-Receive Design for Moving Target Detection in Signal-Dependent Clutter. *Yu, X.*, +, *TVT Jan. 2020 522-536*
- Nearly Optimal Sensor Selection for TDOA-Based Source Localization in Wireless Sensor Networks. *Dai, Z.*, +, *TVT Oct. 2020 12031-12042*
- On Bandwidth Constrained Distributed Detection of a Known Signal in Correlated Gaussian Noise. *Maleki, N.*, +, *TVT Oct. 2020 11428-11444*
- On Optimal Beamforming Design for Downlink MISO NOMA Systems. *Zhu, J.*, +, *TVT March 2020 3008-3020*
- On the Multiplexing of Data and Metadata for Ultra-Reliable Low-Latency Communications in 5G. *Karimi, A.*, +, *TVT Oct. 2020 12136-12147*
- Optimal Resource Allocation for Multicarrier NOMA in Short Packet Communications. *Chen, J.*, +, *TVT Feb. 2020 2141-2156*
- Optimal Training Design for MIMO Amplify-and-Forward Two-Way Relay Systems in the Presence of Interference. *Chun, C.*, +, *TVT May 2020 5151-5163*
- Optimal Uplink Pilot-Data Power Allocation for Large-Scale Antenna Array-Aided OFDM Systems. *Guo, X.*, +, *TVT Jan. 2020 428-442*
- Optimizing Weighted-Sum Energy Efficiency in Downlink and Uplink NOMA Systems. *Zamani, M.R.*, +, *TVT Oct. 2020 11112-11127*
- Pareto-Optimal Pilot Design for Cellular Massive MIMO Systems. *Le, T.A.*, +, *TVT Nov. 2020 13206-13215*
- Performance Analysis and Optimization of Bidirectional Overlay Cognitive Radio Networks With Hybrid-SWIPT. *Prathima, A.*, +, *TVT Nov. 2020 13467-13481*
- PLS-Based Secrecy Transmission for VANETs. *Song, H.*, +, *TVT July 2020 7596-7608*
- Power and Bandwidth Allocation for Multi-Target Tracking in Collocated MIMO Radar. *Zhang, H.*, +, *TVT Sept. 2020 9795-9806*
- Receive Beamforming and Resource Allocation for Wireless Powered Non-Orthogonal Multiple Access. *Lee, C.*, +, *TVT April 2020 4563-4568*
- Resonant Beam Charging-Powered UAV-Assisted Sensing Data Collection. *Chen, W.*, +, *TVT Jan. 2020 1086-1090*
- Resource Allocation and Trajectory Optimization for QoE Provisioning in Energy-Efficient UAV-Enabled Wireless Networks. *Zeng, F.*, +, *TVT July 2020 7634-7647*
- Resource Allocation for Intelligent Reflecting Surface Aided Vehicular Communications. *Chen, Y.*, +, *TVT Oct. 2020 12321-12326*
- Resources Allocation at the Physical Layer for Network Function Virtualization Deployment. *Xie, N.*, +, *TVT March 2020 2771-2784*
- Robust Secure Beamforming for SWIPT-Aided Relay Systems With Full-Duplex Receiver and Imperfect CSI. *Li, X.*, +, *TVT Feb. 2020 1867-1878*
- Secrecy Rate Maximization via Radio Resource Allocation in Cellular Underlying V2V Communications. *Liu, Y.*, +, *TVT July 2020 7281-7294*
- Secure Beamforming and Jamming for Multibeam Satellite Systems With Correlated Wiretap Channels. *Cui, G.*, +, *TVT Oct. 2020 12348-12353*
- Security Enhancement for NOMA-UAV Networks. *Zhao, N.*, +, *TVT April 2020 3994-4005*
- Sum-Throughput Maximization Based on the Significance and Fairness of Sensors for Energy and Information Transfer in Virtual MIMO-WBAN. *Wang, T.*, +, *TVT Nov. 2020 13400-13409*
- Throughput Maximization of a Hybrid EH-SWIPT Relay System Under Temperature Constraints. *Oshaghi, M.*, +, *TVT Feb. 2020 1792-1801*
- Throughput Maximization With Rate-Dependent Power Consumption in Battery-Limited Multiuser Networks. *Zhao, J.*, +, *TVT Jan. 2020 1141-1146*
- Trajectory Optimization for UAVs' Efficient Charging in Wireless Rechargeable Sensor Networks. *Wu, P.*, +, *TVT April 2020 4207-4220*
- Transceiver Design for AF MIMO Relay Systems With a Power Splitting Based Energy Harvesting Relay Node. *Li, B.*, +, *TVT March 2020 2376-2388*
- UAV-Aided Wireless Communication Designs With Propulsion Energy Limitations. *Eom, S.*, +, *TVT Jan. 2020 651-662*
- UAV-Enabled Uplink Non-Orthogonal Multiple Access System: Joint Deployment and Power Control. *Lu, J.*, +, *TVT Sept. 2020 10090-10102*
- Wireless Powered Intelligent Reflecting Surfaces for Enhancing Wireless Communications. *Zou, Y.*, +, *TVT Oct. 2020 12369-12373*
- Condition monitoring**
- State-of-Health Estimation and Remaining-Useful-Life Prediction for Lithium-Ion Battery Using a Hybrid Data-Driven Method. *Gou, B.*, +, *TVT Oct. 2020 10854-10867*
- Connected vehicles**
- Formal Verification and Performance Analysis of a New Data Exchange Protocol for Connected Vehicles. *Chouali, S.*, +, *TVT Dec. 2020 15385-15397*
- Introduction to the Special Section on Connected and Autonomous Vehicles: Technologies, Methodologies, and Applications. *Liu, J.*, +, *TVT Sept. 2020 9251-9252*
- Construction equipment**
- Improving the Fuel Efficiency of Compact Wheel Loader With a Series Hydraulic Hybrid Powertrain. *Wen, Q.*, +, *TVT Oct. 2020 10700-10709*
- Consumer behavior**
- Intra-Operator Customer Churn in Telecommunications: A Systematic Perspective. *Zhang, Y.*, +, *TVT Jan. 2020 948-957*
- Contactors**
- Energy-Efficient Eco-Friendly Zero-Holding-Energy Magnetic Contactor for Industrial and Vehicular Applications. *Gabdullin, N.*, +, *TVT May 2020 5000-5011*
- Containers**
- Generation of Cooperative Perception Messages for Connected and Automated Vehicles. *Thandavarayan, G.*, +, *TVT Dec. 2020 16336-16341*

Continuous phase modulation

Finite-Length Performance Analysis of LDPC Coded Continuous Phase Modulation. *Noor-A-Rahim, M.*, +, *TVT Oct. 2020 12277-12280*

Continuous time systems

Robust Event-Triggered Model Predictive Control for Multiple High-Speed Trains With Switching Topologies. *Zhao, H.*, +, *TVT May 2020 4700-4710*

Contracts

A Bayesian Game Based Vehicle-to-Vehicle Electricity Trading Scheme for Blockchain-Enabled Internet of Vehicles. *Xia, S.*, +, *TVT July 2020 6856-6868*

BSFP: Blockchain-Enabled Smart Parking With Fairness, Reliability and Privacy Protection. *Zhang, C.*, +, *TVT June 2020 6578-6591*

Optimization of Multitenant Radio Admission Control Through a Semi-Markov Decision Process. *Perez-Romero, J.*, +, *TVT Jan. 2020 862-875*

Control design

Vehicle Lateral Stability Control Based on Shiftable Stability Regions and Dynamic Margins. *Huang, Y.*, +, *TVT Dec. 2020 14727-14738*

Control engineering computing

A Distributed Framework for Energy Trading Between UAVs and Charging Stations for Critical Applications. *Hassija, V.*, +, *TVT May 2020 5391-5402*

A Two-Stage Game Framework to Secure Transmission in Two-Tier UAV Networks. *Xu, M.*, +, *TVT Nov. 2020 13728-13740*

Adaptive Washout Filter Based on Fuzzy Logic for a Motion Simulation Platform With Consideration of Joints' Limitations. *Chalak Qazani, M.R.*, +, *TVT Nov. 2020 12547-12558*

An Adaptive Resilient Load Frequency Controller for Smart Grids With DoS Attacks. *Lu, K.*, +, *TVT May 2020 4689-4699*

Deterministic Promotion Reinforcement Learning Applied to Longitudinal Velocity Control for Automated Vehicles. *Zhang, Y.*, +, *TVT Jan. 2020 338-348*

Edge Computing-Aided Framework of Fault Detection for Traction Control Systems in High-Speed Trains. *Chen, H.*, +, *TVT Feb. 2020 1309-1318*

Edge Computing-Based Collaborative Vehicles 3D Mapping in Real Time. *Wen, S.*, +, *TVT Nov. 2020 12470-12481*

Energy-Efficient Data Collection for IoT Networks via Cooperative Multi-Hop UAV Networks. *Kim, T.*, +, *TVT Nov. 2020 13796-13811*

Extracting Human-Like Driving Behaviors From Expert Driver Data Using Deep Learning. *Sama, K.*, +, *TVT Sept. 2020 9315-9329*

Nonlinear Motion Control for a Quadrotor Transporting a Cable-Suspended Payload. *Lv, Z.*, +, *TVT Aug. 2020 8192-8206*

Online Computation Offloading and Traffic Routing for UAV Swarms in Edge-Cloud Computing. *Liu, B.*, +, *TVT Aug. 2020 8777-8791*

Online Task Allocation and Flying Control in Fog-Aided Internet of Drones. *Yao, J.*, +, *TVT May 2020 5562-5569*

Path Planning for UAV-Mounted Mobile Edge Computing With Deep Reinforcement Learning. *Liu, Q.*, +, *TVT May 2020 5723-5728*

Personalized Adaptive Cruise Control Based on Online Driving Style Recognition Technology and Model Predictive Control. *Gao, B.*, +, *TVT Nov. 2020 12482-12496*

Repositioning of a Land Vehicle Simulation-Based Motion Platform Using Fuzzy Logic and Neural Network. *Qazani, M.R.C.*, +, *TVT Oct. 2020 10446-10456*

Real-Time Model Predictive Powertrain Control for a Connected Plug-In Hybrid Electric Vehicle. *Oncken, J.*, +, *TVT Aug. 2020 8420-8432*

Route Planning and Power Management for PHEVs With Reinforcement Learning. *Zhang, Q.*, +, *TVT May 2020 4751-4762*

Sensor Fault Detection and Isolation Using a Support Vector Machine for Vehicle Suspension Systems. *Jeong, K.*, +, *TVT April 2020 3852-3863*

Variable-Performance Servo System Design Without Actuator Current and Angle Measurement for Rover Vehicles. *Kim, S.*, +, *TVT Nov. 2020 12725-12733*

VeRA: A Simplified Security Risk Analysis Method for Autonomous Vehicles. *Cui, J.*, +, *TVT Oct. 2020 10494-10505*

Control nonlinearities

An Adaptive Backstepping Sliding Mode Controller to Improve Vehicle Maneuverability and Stability via Torque Vectoring Control. *Zhang, L.*, +, *TVT March 2020 2598-2612*

Asymptotic Stabilization of USVs With Actuator Dead-Zones and Yaw Constraints Based on Fixed-Time Disturbance Observer. *Guo, G.*, +, *TVT Jan. 2020 302-316*

Multi-UAV Formation Control Based on a Novel Back-Stepping Approach. *Zhang, J.*, +, *TVT March 2020 2437-2448*

Optimal Coordinated Control of ARS and DYC for Four-Wheel Steer and In-Wheel Motor Driven Electric Vehicle With Unknown Tire Model. *Wang, Q.*, +, *TVT Oct. 2020 10809-10819*

Path Tracking and Direct Yaw Moment Coordinated Control Based on Robust MPC With the Finite Time Horizon for Autonomous Independent-Drive Vehicles. *Peng, H.*, +, *TVT June 2020 6053-6066*

Control system synthesis

A Mechatronic Brake Booster for Electric Vehicles: Design, Control, and Experiment. *Wu, J.*, +, *TVT July 2020 7040-7053*

A Novel Terramechanics-Based Path-Tracking Control of Terrain-Based Wheeled Robot Vehicle With Matched-Mismatched Uncertainties. *Taghavifar, H.*, +, *TVT Jan. 2020 67-77*

Adaptive Fault-Tolerant Control of Platoons With Guaranteed Traffic Flow Stability. *Guo, G.*, +, *TVT July 2020 6916-6927*

Adaptive Sliding Mode-Based Lateral Stability Control of Steer-by-Wire Vehicles With Experimental Validations. *Zhang, J.*, +, *TVT Sept. 2020 9589-9600*

An Adaptive Resilient Load Frequency Controller for Smart Grids With DoS Attacks. *Lu, K.*, +, *TVT May 2020 4689-4699*

An Energy-Saving Torque Vectoring Control Strategy for Electric Vehicles Considering Handling Stability Under Extreme Conditions. *Hu, X.*, +, *TVT Oct. 2020 10787-10796*

Asymptotic Stabilization of USVs With Actuator Dead-Zones and Yaw Constraints Based on Fixed-Time Disturbance Observer. *Guo, G.*, +, *TVT Jan. 2020 302-316*

Comparison of Anti-Jerk Controllers for Electric Vehicles With On-Board Motors. *Scamarcio, A.*, +, *TVT Oct. 2020 10681-10699*

Coordinate Receding Horizon Control for the Power-Shift Process of Multi-speed Electric Vehicles. *Liu, Q.*, +, *TVT Jan. 2020 1055-1059*

Distributed Control of Cooperative Vehicular Platoon With Nonideal Communication Condition. *Ma, F.*, +, *TVT Aug. 2020 8207-8220*

Dynamic Output Feedback Fault Tolerant Control for Unmanned Underwater Vehicles. *Wang, X.*, +, *TVT April 2020 3693-3702*

Efficient Mode Transition Control for Parallel Hybrid Electric Vehicle With Adaptive Dual-Loop Control Framework. *Yang, C.*, +, *TVT Feb. 2020 1519-1532*

Energy-Efficient Speed Control of Electric Vehicles: Linear Matrix Inequality Approach. *Veysi, M.*, +, *TVT Oct. 2020 10469-10483*

Improving the Fuel Efficiency of Compact Wheel Loader With a Series Hydraulic Hybrid Powertrain. *Wen, Q.*, +, *TVT Oct. 2020 10700-10709*

Nonlinear Motion Control for a Quadrotor Transporting a Cable-Suspended Payload. *Lv, Z.*, +, *TVT Aug. 2020 8192-8206*

On the Design of Yaw Rate Control via Variable Front-to-Total Anti-Roll Moment Distribution. *Ricco, M.*, +, *TVT Feb. 2020 1388-1403*

Optimal Coordinated Control of ARS and DYC for Four-Wheel Steer and In-Wheel Motor Driven Electric Vehicle With Unknown Tire Model. *Wang, Q.*, +, *TVT Oct. 2020 10809-10819*

Reduced-Order Modeling and Design of Single-Stage LCL Compensated IPT System for Low Voltage Vehicle Charging Applications. *Feng, H.*, +, *TVT April 2020 3728-3739*

Robust \mathcal{H}_∞ Filtering for Vehicle Sideslip Angle With Quantization and Data Dropouts. *Chang, X.*, +, *TVT Oct. 2020 10435-10445*

Robust Observer Based Intermittent Forces Estimation for Driver Intervention Identification. *Huang, C.*, +, *TVT April 2020 3628-3640*

Robust Time-Varying Formation Control for a Set of Quad-Copters With Switching Interaction Communication Topology. *Liu, H.*, +, *TVT July 2020 6880-6890*

Speed Profile Tracking by an Adaptive Controller for Subway Train Based on Neural Network and PID Algorithm. *Pu, Q.*, +, *TVT Oct. 2020 10656-10667*

Synthesis of Cooperative Adaptive Cruise Control With Feedforward Strategies. *Zhu, Y.*, +, *TVT April 2020 3615-3627*

- Torque Vectoring and Rear-Wheel-Steering Control for Vehicle's Uncertain Slips on Soft and Slope Terrain Using Sliding Mode Algorithm. *Liang, Z.*, +, *TVT April 2020 3805-3815*
- Trajectory Tracking Control of Autonomous Vehicle With Random Network Delay. *Luan, Z.*, +, *TVT Aug. 2020 8140-8150*
- Variable-Performance Servo System Design Without Actuator Current and Angle Measurement for Rover Vehicles. *Kim, S.*, +, *TVT Nov. 2020 12725-12733*
- Wheel Modules With Distributed Controllers: A Multi-Agent Approach to Vehicular Control. *Tang, C.*, +, *TVT Oct. 2020 10879-10888*
- Control systems**
- Active Front Steering-Based Electronic Stability Control for Steer-by-Wire Vehicles via Terminal Sliding Mode and Extreme Learning Machine. *Zhang, J.*, +, *TVT Dec. 2020 14713-14726*
- Research on Compound Coordinated Control for a Power-Split Hybrid Electric Vehicle Based on Compensation of Non-Ideal Communication Network. *Wang, J.*, +, *TVT Dec. 2020 14818-14833*
- Controller area networks**
- CANeelon: Protecting CAN Bus With Frame ID Chameleon. *Cheng, K.*, +, *TVT July 2020 7116-7130*
- CNN-Based Adaptive Source Node Identifier for Controller Area Network (CAN). *Jeong, W.*, +, *TVT Nov. 2020 13916-13920*
- Ensuring Safety and Security in CAN-Based Automotive Embedded Systems: A Combination of Design Optimization and Secure Communication. *Mun, H.*, +, *TVT July 2020 7078-7091*
- Highly Efficient Authentication for CAN by Identifier Reallocation With Ordered CMACs. *Groza, B.*, +, *TVT June 2020 6129-6140*
- MAAuth-CAN: Masquerade-Attack-Proof Authentication for In-Vehicle Networks. *Jo, H.J.*, +, *TVT Feb. 2020 2204-2218*
- Response-Time Analysis for Controller Area Networks With Randomly Occurring Messages. *Sato, R.*, +, *TVT April 2020 3893-3902*
- SAIDuCANT: Specification-Based Automotive Intrusion Detection Using Controller Area Network (CAN) Timing. *Olufowobi, H.*, +, *TVT Feb. 2020 1484-1494*
- Controllers**
- A Single-Phase On-Board Two-Stage Integrated Battery Charger for EVs Based on a Five-Phase Hybrid-Excitation Flux-Switching Machine. *Tong, M.*, +, *TVT April 2020 3793-3804*
- Design and Prototyping of a Software Defined Vehicular Networking. *Sadio, O.*, +, *TVT Jan. 2020 842-850*
- Convergence**
- Achieving Robust and Efficient Consensus for Large-Scale Drone Swarm. *Chen, W.*, +, *TVT Dec. 2020 15867-15879*
- Convergence of numerical methods**
- Robust Secure Beamforming for SWIPT-Aided Relay Systems With Full-Duplex Receiver and Imperfect CSI. *Li, X.*, +, *TVT Feb. 2020 1867-1878*
- Convex functions**
- Power Allocation Strategy Based on Decentralized Convex Optimization in Modular Fuel Cell Systems for Vehicular Applications. *Khalatbarisoltani, A.*, +, *TVT Dec. 2020 14563-14574*
- Convex programming**
- 3D-MIMO Dual Communications in SCMA-Based Secure HetNets. *Abedi, M.R.*, +, *TVT Aug. 2020 8499-8513*
- A Novel Graphics-Based Multi-Epoch Power Adjustment Strategy for WPCNs. *Wang, T.*, +, *TVT Nov. 2020 14093-14098*
- Adaptive Bitrate Video Streaming in Non-Orthogonal Multiple Access Networks. *Zhang, J.*, +, *TVT April 2020 3980-3993*
- Adaptive Power Factor Allocation for Cooperative Full-Duplex NOMA Systems With Imperfect SIC and Rate Fairness. *Lima, B.K.S.*, +, *TVT Nov. 2020 14061-14066*
- An Efficient Calibration of MIMO Channel Sounders With Internal Cross-talk. *Kim, J.*, +, *TVT Sept. 2020 9445-9458*
- An Energy-Efficient Resource Allocation Scheme for SWIPT-NOMA Based Femtocells Users With Imperfect CSI. *Budhiraja, I.*, +, *TVT July 2020 7790-7805*
- An Online Buffer-Aware Resource Allocation Algorithm for Multiuser Mobile Video Streaming. *Huang, G.*, +, *TVT March 2020 3357-3369*
- Analysis and Optimization of Random Caching in mmWave Heterogeneous Networks. *Yang, L.*, +, *TVT Sept. 2020 10140-10154*
- Backscatter Communication via Harvest-Then-Transmit Relaying. *Li, D.*, *TVT June 2020 6843-6847*
- Cloud and Edge Multicast Beamforming for Cache-Enabled Ultra-Dense Networks. *Huang, W.*, +, *TVT March 2020 3481-3485*
- Coded Caching for Smart Grid Enabled HetNets With Resource Allocation and Energy Cooperation. *Yin, F.*, +, *TVT Oct. 2020 12058-12071*
- Completion Time Minimization for Turning Angle-Constrained UAV-to-UAV Communications. *Wang, H.*, +, *TVT April 2020 4569-4574*
- Convex Optimization-Based 2-D DOA Estimation With Enhanced Virtual Aperture and Virtual Snapshots Extension for L-Shaped Array. *Wu, R.*, +, *TVT June 2020 6473-6484*
- Deep Denoising Neural Network Assisted Compressive Channel Estimation for mmWave Intelligent Reflecting Surfaces. *Liu, S.*, +, *TVT Aug. 2020 9223-9228*
- Delay Minimization for Massive MIMO Assisted Mobile Edge Computing. *Zeng, M.*, +, *TVT June 2020 6788-6792*
- Dynamic Network Slicing and Resource Allocation in Mobile Edge Computing Systems. *Feng, J.*, +, *TVT July 2020 7863-7878*
- Energy Efficient Adaptive Video Streaming With Rotary-Wing UAV. *Zhan, C.*, +, *TVT July 2020 8040-8044*
- Energy Efficient UAV Communication With Energy Harvesting. *Yang, Z.*, +, *TVT Feb. 2020 1913-1927*
- Energy-Efficient Resource Allocation for Latency-Sensitive Mobile Edge Computing. *Chen, X.*, +, *TVT Feb. 2020 2246-2262*
- Energy-Spectral Efficiency Optimization in Vehicular Communications: Joint Clustering and Pricing-Based Robust Power Control Approach. *Xie, Y.*, +, *TVT Nov. 2020 13673-13685*
- Fast Adaptive Minorization-Maximization Procedure for Beamforming Design of Downlink NOMA Systems. *Lyons, O.*, +, *TVT July 2020 8023-8027*
- Fractional Dynamic Caching: A Collaborative Design of Storage and Backhaul. *Wang, L.*, +, *TVT April 2020 4194-4206*
- Fuel Minimization of the Electric Engine Cooling System With Active Grille Shutter by Iterative Quadratic Programming. *Feng, L.*, +, *TVT March 2020 2621-2635*
- Improving PHY-Security of UAV-Enabled Transmission With Wireless Energy Harvesting: Robust Trajectory Design and Communications Resource Allocation. *Mamaghani, M.T.*, +, *TVT Aug. 2020 8586-8600*
- Information-Energy Region for SWIPT Networks in Mobility Scenarios. *Jiang, R.*, +, *TVT July 2020 7264-7280*
- Joint 3D Trajectory Design and Time Allocation for UAV-Enabled Wireless Power Transfer Networks. *Feng, W.*, +, *TVT Sept. 2020 9265-9278*
- Joint Energy-Efficient Power Allocation and Beamforming for Uplink mmWave-NOMA System. *Yu, X.*, +, *TVT Oct. 2020 12291-12295*
- Joint Optimal Software Caching, Computation Offloading and Communications Resource Allocation for Mobile Edge Computing. *Wen, W.*, +, *TVT July 2020 7879-7894*
- Joint Optimization of Offloading and Resources Allocation in Secure Mobile Edge Computing Systems. *Wang, J.*, +, *TVT Aug. 2020 8843-8854*
- Joint Placement and Resources Optimization for Multi-User UAV-Relaying Systems With Underlaid Cellular Networks. *Guo, Y.*, +, *TVT Oct. 2020 12374-12377*
- Joint Power Allocation and Beamforming for Overlaid Secrecy Transmissions in MIMO-OFDM Channels. *Yuan, C.*, +, *TVT Sept. 2020 10019-10032*
- Joint Power and Subcarrier Allocation Optimization for Multigroup Multicast Systems With Rate Splitting. *Chen, H.*, +, *TVT Feb. 2020 2306-2310*
- Joint Sparse Beamforming and Power Control for a Large-Scale DAS With Network-Assisted Full Duplex. *Xia, X.*, +, *TVT July 2020 7569-7582*
- Latency Optimization for Cellular Assisted Mobile Edge Computing via Non-Orthogonal Multiple Access. *Qian, L.*, +, *TVT May 2020 5494-5507*
- Mobile Image Communications Using Deep Neural Networks for Heterogeneous User Devices in MIMO Channels. *Chang, S.*, +, *TVT June 2020 6359-6373*

Multicast Beamforming Optimization in Cloud-Based Heterogeneous Terrestrial and Satellite Networks. *Zhang, H.*, +, *TVT Feb. 2020 1766-1776*

Nearly Optimal Sensor Selection for TDOA-Based Source Localization in Wireless Sensor Networks. *Dai, Z.*, +, *TVT Oct. 2020 12031-12042*

On Cooperative Achievable Rates of UAV Assisted Cellular Networks. *Song, Y.*, +, *TVT Sept. 2020 9882-9895*

On Optimal Beamforming Design for Downlink MISO NOMA Systems. *Zhu, J.*, +, *TVT March 2020 3008-3020*

On the Multiplexing of Data and Metadata for Ultra-Reliable Low-Latency Communications in 5G. *Karimi, A.*, +, *TVT Oct. 2020 12136-12147*

Optimal Path Planning and Speed Control Integration Strategy for UGVs in Static and Dynamic Environments. *Ren, H.*, +, *TVT Oct. 2020 10619-10629*

Optimal Power Allocation in Battery/Supercapacitor Electric Vehicles Using Convex Optimization. *East, S.*, +, *TVT Nov. 2020 12751-12762*

Optimal Resource Allocation for Multicarrier NOMA in Short Packet Communications. *Chen, J.*, +, *TVT Feb. 2020 2141-2156*

Optimal Uplink Pilot-Data Power Allocation for Large-Scale Antenna Array-Aided OFDM Systems. *Guo, X.*, +, *TVT Jan. 2020 428-442*

Optimisation of a Catenary-Free Tramline Equipped With Stationary Energy Storage Systems. *Wei, S.*, +, *TVT March 2020 2449-2462*

Optimizing Live Layered Video Multicasting Over LTE With Mobile Edge Computing. *Hwang, R.*, +, *TVT Oct. 2020 12072-12084*

Optimizing Weighted-Sum Energy Efficiency in Downlink and Uplink NOMA Systems. *Zamani, M.R.*, +, *TVT Oct. 2020 11112-11127*

Pareto-Optimal Pilot Design for Cellular Massive MIMO Systems. *Le, T.A.*, +, *TVT Nov. 2020 13206-13215*

Power Allocation for Intelligent Interference Exploitation Aided Physical-Layer Security in OFDM-Based Heterogeneous Cellular Networks. *Jiang, Y.*, +, *TVT March 2020 3021-3033*

Power Allocation for Multiple User-Type Massive MIMO Systems. *Dao, H.T.*, +, *TVT Oct. 2020 10965-10974*

Power and Bandwidth Allocation for Multi-Target Tracking in Collocated MIMO Radar. *Zhang, H.*, +, *TVT Sept. 2020 9795-9806*

Power Minimization for Secure Multi-User MISO NOMA System With Energy Harvesting. *Zhou, J.*, +, *TVT Sept. 2020 10046-10058*

Resource Allocation and Basestation Placement in Downlink Cellular Networks Assisted by Multiple Wireless Powered UAVs. *Yin, S.*, +, *TVT Feb. 2020 2171-2184*

Resource Allocation for 5G-Enabled Vehicular Networks in Unlicensed Frequency Bands. *Li, P.*, +, *TVT Nov. 2020 13546-13555*

Robust Secure Beamforming for SWIPT-Aided Relay Systems With Full-Duplex Receiver and Imperfect CSI. *Li, X.*, +, *TVT Feb. 2020 1867-1878*

Robust Secure Transmission and Power Transfer in Heterogeneous Networks With Confidential Information. *Liu, Z.*, +, *TVT Oct. 2020 11192-11205*

Secure Beamforming and Jamming for Multibeam Satellite Systems With Correlated Wiretap Channels. *Cui, G.*, +, *TVT Oct. 2020 12348-12353*

Securing OFDM-Based NOMA SWIPT Systems. *Badawy, A.*, +, *TVT Oct. 2020 12343-12347*

Security Enhancement for NOMA-UAV Networks. *Zhao, N.*, +, *TVT April 2020 3994-4005*

Sum-Throughput Maximization Based on the Significance and Fairness of Sensors for Energy and Information Transfer in Virtual MIMO-WBAN. *Wang, T.*, +, *TVT Nov. 2020 13400-13409*

Throughput Maximization With Rate-Dependent Power Consumption in Battery-Limited Multiuser Networks. *Zhao, J.*, +, *TVT Jan. 2020 1141-1146*

Transceiver Design for AF MIMO Relay Systems With a Power Splitting Based Energy Harvesting Relay Node. *Li, B.*, +, *TVT March 2020 2376-2388*

UAV-Enabled Uplink Non-Orthogonal Multiple Access System: Joint Deployment and Power Control. *Lu, J.*, +, *TVT Sept. 2020 10090-10102*

Vision-Based Vehicle Detection for VideoSAR Surveillance Using Low-Rank Plus Sparse Three-Term Decomposition. *Zhang, Y.*, +, *TVT May 2020 4711-4726*

Convolution

An Improved Neural Network Pruning Technology for Automatic Modulation Classification in Edge Devices. *Lin, Y.*, +, *TVT May 2020 5703-5706*

JRNet: Jamming Recognition Networks for Radar Compound Suppression Jamming Signals. *Qu, Q.*, +, *TVT Dec. 2020 15035-15045*

Sparsely Connected CNN for Efficient Automatic Modulation Recognition. *Tunze, G.B.*, +, *TVT Dec. 2020 15557-15568*

Convolutional neural nets

A MIMO Detector With Deep Learning in the Presence of Correlated Interference. *Xia, J.*, +, *TVT April 2020 4492-4497*

A Multi-Dimension End-to-End CNN Model for Rotating Devices Fault Diagnosis on High-Speed Train Bogie. *Kou, L.*, +, *TVT March 2020 2513-2524*

Automatic Modulation Classification for MIMO Systems via Deep Learning and Zero-Forcing Equalization. *Wang, Y.*, +, *TVT May 2020 5688-5692*

Automatic Modulation Classification Using CNN-LSTM Based Dual-Stream Structure. *Zhang, Z.*, +, *TVT Nov. 2020 13521-13531*

CNN-Based Adaptive Source Node Identifier for Controller Area Network (CAN). *Jeong, W.*, +, *TVT Nov. 2020 13916-13920*

Deep Denoising Neural Network Assisted Compressive Channel Estimation for mmWave Intelligent Reflecting Surfaces. *Liu, S.*, +, *TVT Aug. 2020 9223-9228*

Deep Learning-Based Cooperative Automatic Modulation Classification Method for MIMO Systems. *Wang, Y.*, +, *TVT April 2020 4575-4579*

Hybrid Precoding for Multiuser Millimeter Wave Massive MIMO Systems: A Deep Learning Approach. *Elbir, A.M.*, +, *TVT Jan. 2020 552-563*

LightAMC: Lightweight Automatic Modulation Classification via Deep Learning and Compressive Sensing. *Wang, Y.*, +, *TVT March 2020 3491-3495*

Multi-Path Deep CNNs for Fine-Grained Car Recognition. *Wang, H.*, +, *TVT Oct. 2020 10484-10493*

Real-Time Single-Stage Vehicle Detector Optimized by Multi-Stage Image-Based Online Hard Example Mining. *Lin, C.*, +, *TVT Feb. 2020 1505-1518*

Reinforcement Learning for Joint Control of Traffic Signals in a Transportation Network. *Lee, J.*, +, *TVT Feb. 2020 1375-1387*

Semisupervised PCA Convolutional Network for Vehicle Type Classification. *Soon, F.C.*, +, *TVT Aug. 2020 8267-8277*

Vehicle Type Recognition From Surveillance Data Based on Deep Active Learning. *Ding, X.*, +, *TVT March 2020 2477-2486*

Cooling

An MPC-Based Control Strategy for Electric Vehicle Battery Cooling Considering Energy Saving and Battery Lifespan. *Xie, Y.*, +, *TVT Dec. 2020 14657-14673*

Computationally Efficient Stochastic Model Predictive Controller for Battery Thermal Management of Electric Vehicle. *Park, S.*, +, *TVT Aug. 2020 8407-8419*

Design of Axial Flux Induction Motor With Reduced Back Iron for Electric Vehicles. *Mei, J.*, +, *TVT Jan. 2020 293-301*

Joint Propulsion and Cooling Energy Management of Hybrid Electric Vehicles by Optimal Control. *Chen, B.*, +, *TVT May 2020 4894-4906*

Cooperative communication

A Geometric Approach for Distributed Multi-Hop Target Localization in Cooperative Networks. *Tomic, S.*, +, *TVT Jan. 2020 914-919*

A Novel Probabilistic Buffer-Aided Relay Selection Scheme in Cooperative Networks. *Xu, P.*, +, *TVT April 2020 4548-4552*

A Two-Stage Game Framework to Secure Transmission in Two-Tier UAV Networks. *Xu, M.*, +, *TVT Nov. 2020 13728-13740*

Adaptive Power Factor Allocation for Cooperative Full-Duplex NOMA Systems With Imperfect SIC and Rate Fairness. *Lima, B.K.S.*, +, *TVT Nov. 2020 14061-14066*

Adaptive Relay Selection Strategies for Cooperative NOMA Networks With User and Relay Cooperation. *Li, G.*, +, *TVT Oct. 2020 11728-11742*

Analysis of Clustered Licensed-Assisted Access in Unlicensed Spectrum. *Hu, Z.*, +, *TVT Jan. 2020 349-360*

Backscatter Communication Powered By Selective Relaying. *Li, D.*, *TVT Nov. 2020 14037-14042*

- Backscatter Communication via Harvest-Then-Transmit Relaying. *Li, D.*, *TVT June 2020 6843-6847*
- Blockchain Empowered Cooperative Authentication With Data Traceability in Vehicular Edge Computing. *Liu, H.*, +, *TVT April 2020 4221-4232*
- Carpool for Big Data: Enabling Efficient Crowd Cooperation in Data Market for Pervasive AI. *Shi, Q.*, +, *TVT July 2020 7778-7789*
- Carrier-Phase-Based Multi-Vehicle Cooperative Positioning Using V2V Sensors. *Xiong, J.*, +, *TVT Sept. 2020 9528-9541*
- Characterization and Performance Improvement of Cooperative Wireless Networks With Nonlinear Power Amplifier at Relay. *Majidi, M.*, +, *TVT March 2020 3244-3255*
- Cluster-Enabled Cooperative Scheduling Based on Reinforcement Learning for High-Mobility Vehicular Networks. *Xia, Y.*, +, *TVT Nov. 2020 12664-12678*
- Coalition Game Based Full-Duplex Popular Content Distribution in mmWave Vehicular Networks. *Wang, Y.*, +, *TVT Nov. 2020 13836-13848*
- Coalitional Games for Computation Offloading in NOMA-Enabled Multi-Access Edge Computing. *Pham, Q.*, +, *TVT Feb. 2020 1982-1993*
- Cooperative Caching and Transmission in CoMP-Integrated Cellular Networks Using Reinforcement Learning. *Lin, P.*, +, *TVT May 2020 5508-5520*
- Cooperative Edge Caching With Location-Based and Popular Contents for Vehicular Networks. *Chen, J.*, +, *TVT Sept. 2020 10291-10305*
- Cooperative Scheduling for Pilot Reuse in Massive MIMO Systems. *Hua, Y.*, +, *TVT Nov. 2020 12857-12869*
- Cooperative Time Successive SSK-M-ary Modulation for Decode-and-Forward Relay Systems. *Maheswaran, P.*, +, *TVT Jan. 2020 537-551*
- Correlation-Based Cooperative Jamming to Enhance Secrecy With Receiver-Side Correlation. *Xu, S.*, +, *TVT Feb. 2020 1903-1912*
- Deep Learning-Based Cooperative Automatic Modulation Classification Method for MIMO Systems. *Wang, Y.*, +, *TVT April 2020 4575-4579*
- Design of Optimal Non-Uniform Quantizer in Imperfect Noisy Reporting Channels for Collaborative Spectrum Sensing. *Naderipour, M.*, +, *TVT Nov. 2020 12870-12882*
- Enabling Edge Caching Through Full-Duplex Non-Orthogonal Multiple Access. *Ma, R.*, +, *TVT Oct. 2020 12338-12342*
- Energy-Aware Relay Selection Improves Security-Reliability Tradeoff in Energy Harvesting Cooperative Cognitive Radio Systems. *Yan, P.*, +, *TVT May 2020 5115-5128*
- Enhancing Misbehavior Detection in 5G Vehicle-to-Vehicle Communications. *Nguyen, V.*, +, *TVT Sept. 2020 9417-9430*
- Error Probability Analysis of NOMA-Based Diamond Relaying Network. *Kara, F.*, +, *TVT Feb. 2020 2280-2285*
- Fairness-Aware Intragroup Cooperative Transmission in Wireless Powered Communication Networks. *Mao, Z.*, +, *TVT June 2020 6463-6472*
- FFR Based Joint 3D Beamforming Interference Coordination for Multi-Cell FD-MIMO Downlink Transmission Systems. *Li, X.*, +, *TVT March 2020 3105-3118*
- Full-Duplex Non-Orthogonal Multiple Access Cooperative Spectrum-Sharing Networks With Non-Linear Energy Harvesting. *Hakimi, A.*, +, *TVT Oct. 2020 10925-10936*
- Impact of Co-Channel Interference and Vehicles as Obstacles on Full-Duplex V2V Cooperative Wireless Network. *Eshteiwi, K.*, +, *TVT July 2020 7503-7517*
- Impact of Jamming Attacks on Vehicular Cooperative Adaptive Cruise Control Systems. *Alipour-Fanid, A.*, +, *TVT Nov. 2020 12679-12693*
- Improving PHY-Security of UAV-Enabled Transmission With Wireless Energy Harvesting: Robust Trajectory Design and Communications Resource Allocation. *Mamaghani, M.T.*, +, *TVT Aug. 2020 8586-8600*
- Integrating Broadcasting and NOMA in Full-Duplex Buffer-Aided Opportunistic Relay Networks. *Nomikos, N.*, +, *TVT Aug. 2020 9157-9162*
- Joint Optimization of Cooperative Communication and Computation in Two-Way Relay MEC Systems. *Xie, B.*, +, *TVT April 2020 4596-4600*
- Joint User Pairing, Subchannel Assignment and Power Allocation in Cooperative Non-Orthogonal Multiple Access Networks. *Lamba, A.K.*, +, *TVT Oct. 2020 11790-11799*
- LightAMC: Lightweight Automatic Modulation Classification via Deep Learning and Compressive Sensing. *Wang, Y.*, +, *TVT March 2020 3491-3495*
- Machine-Learning-Based Hazardous Spot Detection Framework by Mobile Sensing and Opportunistic Networks. *Watanabe, Y.*, +, *TVT Nov. 2020 13646-13657*
- On Cooperative Achievable Rates of UAV Assisted Cellular Networks. *Song, Y.*, +, *TVT Sept. 2020 9882-9895*
- On Outage Analysis in SWIPT Enabled Bidirectional D2D Communications Using Spectrum Sharing in Cellular Networks. *Ghosh, S.*, +, *TVT Sept. 2020 10167-10176*
- On the Performance of RIS-Assisted Dual-Hop UAV Communication Systems. *Yang, L.*, +, *TVT Sept. 2020 10385-10390*
- On the Physical Layer Security of Underlay Relay-Aided Device-to-Device Communications. *Khoshafa, M.H.*, +, *TVT July 2020 7609-7621*
- Optimal Power Allocation in Cooperative Networks With Energy-Saving Protocols. *Ojo, F.K.*, +, *TVT May 2020 5079-5088*
- Optimal Relay Selection for Secure NOMA Systems Under Untrusted Users. *Cao, K.*, +, *TVT Feb. 2020 1942-1955*
- Outage Analysis in Cognitive Radio Networks With Energy Harvesting and Q-Routing. *Paul, A.*, +, *TVT June 2020 6755-6765*
- Outage Analysis of RF Energy Harvesting Cooperative Communication Systems Over Nakagami- m Fading Channels With Integer and Non-Integer m . *Hoang, T.M.*, +, *TVT March 2020 2785-2801*
- Performance Analysis and Optimization of Bidirectional Overlay Cognitive Radio Networks With Hybrid-SWIPT. *Prathima, A.*, +, *TVT Nov. 2020 13467-13481*
- Performance Analysis of Bidirectional AF Based Cooperative Vehicular Networks. *Qin, D.*, +, *TVT Feb. 2020 2274-2279*
- Performance Analysis of Full-Duplex Relay-Aided NOMA Systems Using Partial Relay Selection. *Tregancini, A.*, +, *TVT Jan. 2020 622-635*
- Performance Analysis of Hybrid Satellite-Terrestrial Cooperative Networks With Relay Selection. *Guo, K.*, +, *TVT Aug. 2020 9053-9067*
- Physical Layer Security Designs for 5G NOMA Systems With a Stronger Near-End Internal Eavesdropper. *Zhang, C.*, +, *TVT Nov. 2020 13005-13017*
- Pietra-Ricci Index Detector for Centralized Data Fusion Cooperative Spectrum Sensing. *Guimaraes, D.A.*, *TVT Oct. 2020 12354-12358*
- Power Optimization for Enhancing Secrecy of Cooperative User Relaying NOMA Networks. *Cao, Y.*, +, *TVT July 2020 8008-8012*
- QoE-Driven Transmission-Aware Cache Placement and Cooperative Beamforming Design in Cloud-RANs. *Sun, R.*, +, *TVT Jan. 2020 636-650*
- Reinforcement Learning Based Cooperative Coded Caching Under Dynamic Popularities in Ultra-Dense Networks. *Gao, S.*, +, *TVT May 2020 5442-5456*
- Secrecy Outage and Diversity Analysis of Multiple Cooperating Source-Destination Pairs. *Ding, X.*, +, *TVT July 2020 7648-7662*
- Secrecy Performance Analysis of UAV Assisted Relay Transmission for Cognitive Network With Energy Harvesting. *Ji, B.*, +, *TVT July 2020 7404-7415*
- Secrecy Performance of NOMA Systems With Energy Harvesting and Full-Duplex Relaying. *Guo, C.*, +, *TVT Oct. 2020 12301-12305*
- Secure Beamforming and Jamming for Multibeam Satellite Systems With Correlated Wiretap Channels. *Cui, G.*, +, *TVT Oct. 2020 12348-12353*
- Secure Outage Analysis for Cooperative NOMA Systems With Antenna Selection. *Pei, X.*, +, *TVT April 2020 4503-4507*
- Secure Wireless Powered Cooperative Communication Networks With Finite Energy Storage. *Wang, Y.*, +, *TVT Jan. 2020 1008-1022*
- Securing OFDM-Based NOMA SWIPT Systems. *Badawy, A.*, +, *TVT Oct. 2020 12343-12347*
- Security Enhancement Using a Novel Two-Slot Cooperative NOMA Scheme. *Chen, B.*, +, *TVT March 2020 3470-3475*
- Self-Energized UAV-Assisted Scheme for Cooperative Wireless Relay Networks. *Jayakody, D.N.K.*, +, *TVT Jan. 2020 578-592*
- Simulation Framework for Misbehavior Detection in Vehicular Networks. *Kamel, J.*, +, *TVT June 2020 6631-6643*

- Spectral Efficiency Optimization and Interference Management for Multi-Hop D2D Communications in VANETs. *Yang, F.*, +, *TVT June 2020 6422-6436*
- STBC-Aided Cooperative NOMA With Timing Offsets, Imperfect Successive Interference Cancellation, and Imperfect Channel State Information. *Akhtar, M.W.*, +, *TVT Oct. 2020 11712-11727*
- Sub-Channel Allocation for Full-Duplex Access and Device-to-Device Links Underlying Heterogeneous Cellular Networks Using Coalition Formation Games. *Chen, Y.*, +, *TVT Sept. 2020 9736-9749*
- Sum-Rate Maximization Based Relay Selection for Cooperative NOMA Over Nakagami-*m*Fading. *Li, Y.*, +, *TVT Nov. 2020 13985-13989*
- Sum-Rate Maximization of Multicell MISO Networks With Limited Information Exchange. *Kim, Y.*, +, *TVT July 2020 7247-7263*
- Switched Max-Link Relay Selection Based on Maximum Minimum Distance for Cooperative MIMO Systems. *Duarte, F.L.*, +, *TVT Feb. 2020 1928-1941*
- System Outage Probability of PS-SWIPT Enabled Two-Way AF Relaying With Hardware Impairments. *Liu, Z.*, +, *TVT Nov. 2020 13532-13545*
- Throughput Maximization of a Hybrid EH-SWIPT Relay System Under Temperature Constraints. *Oshaghi, M.*, +, *TVT Feb. 2020 1792-1801*
- UAV-Assisted Cooperative Communications With Time-Sharing Information and Power Transfer. *Yin, S.*, +, *TVT Feb. 2020 1554-1567*
- UAV-Enabled Secure Communications by Multi-Agent Deep Reinforcement Learning. *Zhang, Y.*, +, *TVT Oct. 2020 11599-11611*
- Cooperative systems**
- Impact of Jamming Attacks on Vehicular Cooperative Adaptive Cruise Control Systems. *Alipour-Fanid, A.*, +, *TVT Nov. 2020 12679-12693*
- Synthesis of Cooperative Adaptive Cruise Control With Feedforward Strategies. *Zhu, Y.*, +, *TVT April 2020 3615-3627*
- Copper**
- Deep Learning Based Power Allocation for Workload Driven Full-Duplex D2D-Aided Underlying Networks. *Du, C.*, +, *TVT Dec. 2020 15880-15892*
- Mechanism Investigation of Ring Type Winding in Linear Permanent Magnet Vernier Machine for Improving Force Density. *Bian, F.*, +, *TVT March 2020 2588-2597*
- Correlation**
- DOA Estimation With Small Snapshots Using Weighted Mixed Norm Based on Spatial Filter. *Liu, B.*, +, *TVT Dec. 2020 16183-16187*
- Multi-Level Sequence-Based Frequency-Hopping in Multi-Cell Networks. *Zeng, Q.*, +, *TVT Dec. 2020 16282-16287*
- Uplink Channel Estimation With Hardware Imperfections, Antenna Position Error and Channel Correlation for Nested and Linear Array Antennas. *Azam, M.A.*, +, *TVT Dec. 2020 15412-15426*
- Correlation methods**
- A Novel Multipath Mitigation Technique for GNSS Signals in Urban Scenarios. *Kumar, A.*, +, *TVT March 2020 2649-2658*
- Algebraic Construction of Optimal Frequency Hopping Patterns Based on Welch Costas Arrays. *Yao, J.*, +, *TVT Feb. 2020 1841-1854*
- Approximate Gram-Matrix Interpolation for Wideband Massive MU-MIMO Systems. *Jeon, C.*, +, *TVT May 2020 4677-4688*
- Capturing the Sparsity and Tracking the Channels for Massive MIMO Networks. *Mohammed, A.*, +, *TVT Jan. 2020 685-699*
- Doppler Influence on Waveform Orthogonality in 79 GHz MIMO Phase-Coded Automotive Radar. *Overdeest, J.*, +, *TVT Jan. 2020 16-25*
- Experimental Study on the Impact of Antenna Characteristics on Non-Stationary V2I Channel Parameters in Tunnels. *Yusuf, M.*, +, *TVT Nov. 2020 12396-12407*
- Impact of Intra-Cluster Angular Spread on the Performance of NLoS Millimeter Wave Links With Imperfect Beam Alignment. *Kutty, S.*, +, *TVT Feb. 2020 1813-1827*
- Impact of UAV Wobbling on the Air-to-Ground Wireless Channel. *Banagar, M.*, +, *TVT Nov. 2020 14025-14030*
- Measurements and Analysis of Propagation Channels in Vehicle-to-Infrastructure Scenarios. *Li, W.*, +, *TVT April 2020 3550-3561*
- Mobility and Blockage-Aware Communications in Millimeter-Wave Vehicular Networks. *Hussain, M.*, +, *TVT Nov. 2020 13072-13086*
- Multi-Feature Fusion Based Recognition and Relevance Analysis of Propagation Scenes for High-Speed Railway Channels. *Zhou, T.*, +, *TVT Aug. 2020 8107-8118*
- On Bandwidth Constrained Distributed Detection of a Known Signal in Correlated Gaussian Noise. *Maleki, N.*, +, *TVT Oct. 2020 11428-11444*
- Three-Dimensional Modeling of mmWave Doubly Massive MIMO Aerial Fading Channels. *Michailidis, E.T.*, +, *TVT Feb. 2020 1190-1202*
- Towards Anti-Interference Human Activity Recognition Based on WiFi Sub-carrier Correlation Selection. *Huang, J.*, +, *TVT June 2020 6739-6754*
- Cost accounting**
- Strategy-Proof Spectrum Allocation Among Multiple Operators in Wireless Networks. *Yadav, I.*, +, *TVT Dec. 2020 15964-15977*
- Cost function**
- Robust Model Predictive Current Control Based on Inductance and Flux Linkage Extraction Algorithm. *Zhang, X.*, +, *TVT Dec. 2020 14893-14902*
- Cost reduction**
- An Integrated Energy Storage System With Voltage Balancing Based on Switched-Capacitor Reutilization Techniques. *Liu, J.*, +, *TVT Aug. 2020 8356-8366*
- Battery-Involved Energy Management for Hybrid Electric Bus Based on Expert-Assistance Deep Deterministic Policy Gradient Algorithm. *Wu, J.*, +, *TVT Nov. 2020 12786-12796*
- Joint Route Selection and Charging Discharging Scheduling of EVs in V2G Energy Network. *Liu, P.*, +, *TVT Oct. 2020 10630-10641*
- Optimisation of a Catenary-Free Tramline Equipped With Stationary Energy Storage Systems. *Wei, S.*, +, *TVT March 2020 2449-2462*
- Wired/Wireless Hybrid Charging System for Electrical Vehicles With Minimum Rated Power Requirement for DC Module. *Deng, Q.*, +, *TVT Oct. 2020 10889-10898*
- Couplings**
- A Co-Phase Traction Power Supply System Based on Asymmetric Three-Leg Hybrid Power Quality Conditioner. *Liu, L.*, +, *TVT Dec. 2020 14645-14656*
- New Integrated Tripolar Pad Using Double-Sided LCC Compensation for Wireless Power Transfer. *Mosammam, B.M.*, +, *TVT Dec. 2020 15633-15643*
- Robust Model Predictive Current Control Based on Inductance and Flux Linkage Extraction Algorithm. *Zhang, X.*, +, *TVT Dec. 2020 14893-14902*
- Covariance matrices**
- 3-D Mixed Far-Field and Near-Field Sources Localization With Cross Array. *Wu, X.*, +, *TVT June 2020 6833-6837*
- A Deep Learning Framework for Hybrid Beamforming Without Instantaneous CSI Feedback. *Elbir, A.M.*, *TVT Oct. 2020 11743-11755*
- A Systematic Approach to Deriving the Covariance Matrix of Correlated Nakagami-*m*Fading Channels. *Lin, J.*, +, *TVT Feb. 2020 1612-1625*
- An Anti-Eavesdropping Strategy for Precoding-Aided Spatial Modulation With Rough CSI of Eve. *Xia, G.*, +, *TVT Feb. 2020 2343-2347*
- Complex ResNet Aided DoA Estimation for Near-Field MIMO Systems. *Cao, Y.*, +, *TVT Oct. 2020 11139-11151*
- DOA Estimation for Coherent Signals With Improved Sparse Representation in the Presence of Unknown Spatially Correlated Gaussian Noise. *Fang, Y.*, +, *TVT Sept. 2020 10059-10069*
- DOA Estimation via Sparse Signal Recovery in 4-D Linear Antenna Arrays With Optimized Time Sequences. *Yang, F.*, +, *TVT Jan. 2020 771-783*
- DOA Estimation With Small Snapshots Using Weighted Mixed Norm Based on Spatial Filter. *Liu, B.*, +, *TVT Dec. 2020 16183-16187*
- Long-Term Channel Statistic Estimation for Highly-Mobile Hybrid MmWave Multi-User MIMO Systems. *Yu, J.*, +, *TVT Dec. 2020 14277-14289*
- Optimal Measurement Policy for Linear Measurement Systems With Applications to UAV Network Topology Prediction. *Razi, A.*, *TVT Feb. 2020 1970-1981*
- Physical Layer Multicasting in Massive MIMO Systems With Statistical CSIT. *Li, K.*, +, *TVT Feb. 2020 1651-1665*
- Pietra-Ricci Index Detector for Centralized Data Fusion Cooperative Spectrum Sensing. *Guimaraes, D.A.*, *TVT Oct. 2020 12354-12358*
- Single Far-Field or Near-Field Source Localization With Sparse or Uniform Cross Array. *Wu, X.*, +, *TVT Aug. 2020 9135-9139*

Unsupervised Deep Spectrum Sensing: A Variational Auto-Encoder Based Approach. *Xie, J.*, +, *TVT May 2020 5307-5319*

Crosstalk

An Efficient Calibration of MIMO Channel Sounders With Internal Crosstalk. *Kim, J.*, +, *TVT Sept. 2020 9445-9458*

Crowdsourcing

Cloudlet-Based Intelligent Auctioning Agents for Truthful Autonomous Electric Vehicles Energy Crowdsourcing. *Yassine, A.*, +, *TVT May 2020 5457-5466*

Mechanism Design for Wireless Powered Spatial Crowdsourcing Networks. *Jiao, Y.*, +, *TVT Jan. 2020 920-934*

Promoting Users' Participation in Mobile Crowdsourcing: A Distributed Truthful Incentive Mechanism (DTIM) Approach. *Wang, X.*, +, *TVT May 2020 5570-5582*

Verifiable and Privacy-Preserving Traffic Flow Statistics for Advanced Traffic Management Systems. *Zhang, C.*, +, *TVT Sept. 2020 10336-10347*

Cruise control

A Probability-Based Short-Term Velocity Prediction Method for Energy-Efficient Cruise Control. *Wasserburger, A.*, +, *TVT Dec. 2020 14424-14435*

Cryptocurrencies

A Bayesian Game Based Vehicle-to-Vehicle Electricity Trading Scheme for Blockchain-Enabled Internet of Vehicles. *Xia, S.*, +, *TVT July 2020 6856-6868*

A Blockchain-Based Framework for Lightweight Data Sharing and Energy Trading in V2G Network. *Hassija, V.*, +, *TVT June 2020 5799-5812*

Blockchain Empowered Asynchronous Federated Learning for Secure Data Sharing in Internet of Vehicles. *Lu, Y.*, +, *TVT April 2020 4298-4311*

Blockchain Empowered Cooperative Authentication With Data Traceability in Vehicular Edge Computing. *Liu, H.*, +, *TVT April 2020 4221-4232*

Blockchain Meets Edge Computing: Stackelberg Game and Double Auction Based Task Offloading for Mobile Blockchain. *Guo, S.*, +, *TVT May 2020 5549-5561*

Cryptographic protocols

A Blockchain-Based Framework for Lightweight Data Sharing and Energy Trading in V2G Network. *Hassija, V.*, +, *TVT June 2020 5799-5812*

A Lightweight Mutual Authentication Protocol for V2V Communication in Internet of Vehicles. *Vasudev, H.*, +, *TVT June 2020 6709-6717*

An Efficient Decentralized Key Management Mechanism for VANET With Blockchain. *Ma, Z.*, +, *TVT June 2020 5836-5849*

An Efficient Privacy-Preserving Authenticated Key Agreement Scheme for Edge-Assisted Internet of Drones. *Gope, P.*, +, *TVT Nov. 2020 13621-13630*

An Efficient Security Scheme for Vehicular Communication Using a Quantum Secret Sharing Method. *Xiao, H.*, +, *TVT Jan. 2020 1101-1105*

CNN-Based Adaptive Source Node Identifier for Controller Area Network (CAN). *Jeong, W.*, +, *TVT Nov. 2020 13916-13920*

DAPA: A Decentralized, Accountable, and Privacy-Preserving Architecture for Car Sharing Services. *Huang, C.*, +, *TVT May 2020 4869-4882*

Edge Computing-Based Privacy-Preserving Authentication Framework and Protocol for 5G-Enabled Vehicular Networks. *Zhang, J.*, +, *TVT July 2020 7940-7954*

Efficient and Secure Location-Based Services Scheme in VANET. *Yadav, V.K.*, +, *TVT Nov. 2020 13567-13578*

Efficient Physical Layer Key Agreement for FlexRay Networks. *Muravy, P.*, +, *TVT Sept. 2020 9767-9780*

Full Session Key Agreement Scheme Based on Chaotic Map in Vehicular Ad Hoc Networks. *Cui, J.*, +, *TVT Aug. 2020 8914-8924*

Lightweight Blockchain Consensus Protocols for Vehicular Social Networks. *Zheng, Z.*, +, *TVT June 2020 5736-5748*

Lightweight Mutual Authentication Protocol for V2G Using Physical Unclonable Function. *Bansal, G.*, +, *TVT July 2020 7234-7246*

MAuth-CAN: Masquerade-Attack-Proof Authentication for In-Vehicle Networks. *Jo, H.J.*, +, *TVT Feb. 2020 2204-2218*

Privacy-Preserving Authentication Scheme for Connected Electric Vehicles Using Blockchain and Zero Knowledge Proofs. *Gabay, D.*, +, *TVT June 2020 5760-5772*

Securing SOME/IP for In-Vehicle Service Protection. *Iorio, M.*, +, *TVT Nov. 2020 13450-13466*

Unified Biometric Privacy Preserving Three-Factor Authentication and Key Agreement for Cloud-Assisted Autonomous Vehicles. *Jiang, Q.*, +, *TVT Sept. 2020 9390-9401*

Cryptography

A Privacy-Preserving Secure Framework for Electric Vehicles in IoT Using Matching Market and Signcryption. *Kumar, G.*, +, *TVT July 2020 7707-7722*

A Secure and Verifiable Data Sharing Scheme Based on Blockchain in Vehicular Social Networks. *Fan, K.*, +, *TVT June 2020 5826-5835*

A Secure Flexible and Tampering-Resistant Data Sharing System for Vehicular Social Networks. *Sun, J.*, +, *TVT Nov. 2020 12938-12950*

Accurate Image-Based Pedestrian Detection With Privacy Preservation. *Yang, H.*, +, *TVT Dec. 2020 14494-14509*

An Identity-Based and Revocable Data-Sharing Scheme in VANETs. *Horng, S.*, +, *TVT Dec. 2020 15933-15946*

Attribute-Based Encryption With Parallel Outsourced Decryption for Edge Intelligent IoT. *Feng, C.*, +, *TVT Nov. 2020 13784-13795*

BlockEd: Blockchain-Based Secure Data Processing Framework in Edge Envisioned V2X Environment. *Aujla, G.S.*, +, *TVT June 2020 5850-5863*

BSFP: Blockchain-Enabled Smart Parking With Fairness, Reliability and Privacy Protection. *Zhang, C.*, +, *TVT June 2020 6578-6591*

Deep Reinforcement Learning and Permissioned Blockchain for Content Caching in Vehicular Edge Computing and Networks. *Dai, Y.*, +, *TVT April 2020 4312-4324*

Ensuring Safety and Security in CAN-Based Automotive Embedded Systems: A Combination of Design Optimization and Secure Communication. *Mun, H.*, +, *TVT July 2020 7078-7091*

ESAC: An Efficient and Secure Access Control Scheme in Vehicular Named Data Networking. *Jiang, S.*, +, *TVT Sept. 2020 10252-10263*

Highly Efficient Authentication for CAN by Identifier Reallocation With Ordered CMACs. *Groza, B.*, +, *TVT June 2020 6129-6140*

Joint Transaction Relaying and Block Verification Optimization for Blockchain Empowered D2D Communication. *Jiang, L.*, +, *TVT Jan. 2020 828-841*

LDV: A Lightweight DAG-Based Blockchain for Vehicular Social Networks. *Yang, W.*, +, *TVT June 2020 5749-5759*

Lightweight and Privacy-Preserving ID-as-a-Service Provisioning in Vehicular Cloud Computing. *Yao, Y.*, +, *TVT Feb. 2020 2185-2194*

Localizing Spoofing Attacks on Vehicular GPS Using Vehicle-to-Vehicle Communications. *Sanders, C.*, +, *TVT Dec. 2020 15656-15667*

Machine Learning and Reputation Based Misbehavior Detection in Vehicular Communication Networks. *Gyawali, S.*, +, *TVT Aug. 2020 8871-8885*

P2B: Privacy Preserving Identity-Based Broadcast Proxy Re-Encryption. *Maiti, S.*, +, *TVT May 2020 5610-5617*

Performance Optimization for Blockchain-Enabled Distributed Network Function Virtualization Management and Orchestration. *Fu, X.*, +, *TVT June 2020 6670-6679*

Physical Layer Security Enhancement Using Artificial Noise in Cellular Vehicle-to-Everything (C-V2X) Networks. *Wang, C.*, +, *TVT Dec. 2020 15253-15268*

Preserving Privacy in WiFi Localization With Plausible Dummy Locations. *Zhao, P.*, +, *TVT Oct. 2020 11909-11925*

SecAuthUAV: A Novel Authentication Scheme for UAV-Ground Station and UAV-UAV Communication. *Alladi, T.*, +, *TVT Dec. 2020 15068-15077*

Secure MIMO-SVD Communications Against Eavesdroppers With Any Number of Antennas. *Tang, J.*, +, *TVT Oct. 2020 11077-11089*

Secure SVM Training Over Vertically-Partitioned Datasets Using Consortium Blockchain for Vehicular Social Networks. *Shen, M.*, +, *TVT June 2020 5773-5783*

Towards Airbnb-Like Privacy-Enhanced Private Parking Spot Sharing Based on Blockchain. *Wang, L.*, +, *TVT March 2020 2411-2423*

TrustAccess: A Trustworthy Secure Ciphertext-Policy and Attribute Hiding Access Control Scheme Based on Blockchain. *Gao, S.*, +, *TVT June 2020 5784-5798*

Verifiable and Privacy-Preserving Traffic Flow Statistics for Advanced Traffic Management Systems. *Zhang, C.*, +, *TVT Sept. 2020 10336-10347*

Customer services

Intra-Operator Customer Churn in Telecommunications: A Systematic Perspective. *Zhang, Y.*, +, *TVT Jan. 2020 948-957*

When Network Slicing Meets Prospect Theory: A Service Provider Revenue Maximization Framework. *Fantacci, R.*, +, *TVT March 2020 3179-3189*

CW radar

Multi-Target Device-Free Wireless Sensing Based on Multiplexing Mechanisms. *Wang, J.*, +, *TVT Sept. 2020 10242-10251*

Phase-Coded FMCW Automotive Radar: System Design and Interference Mitigation. *Uysal, F.*, *TVT Jan. 2020 270-281*

Super Resolution DOA Based on Relative Motion for FMCW Automotive Radar. *Zhang, W.*, +, *TVT Aug. 2020 8698-8709*

Cyber-physical systems

Cyber-Physical Scheduling for Predictable Reliability of Inter-Vehicle Communications. *Li, C.*, +, *TVT April 2020 4192-4206*

Cyclic redundancy check codes

An Efficient Software Stack Sphere Decoder for Polar Codes. *Zhou, H.*, +, *TVT Feb. 2020 1257-1266*

Sphere Constraint Based Enumeration Methods to Analyze the Minimum Weight Distribution of Polar Codes. *Piao, J.*, +, *TVT Oct. 2020 11557-11569*

D**Damping**

Current and Voltage Harmonics in the Powertrain of Electric Vehicles. *Sagert, C.*, +, *TVT Oct. 2020 10736-10749*

Effective Measures to Improve Current Collection Quality for Double Pantographs and Catenary Based on Wave Propagation Analysis. *Xu, Z.*, +, *TVT June 2020 6299-6309*

Planning of the DC System Considering Restrictions on the Small-Signal Stability of EV Charging Stations and Comparison Between Series and Parallel Connections. *Fu, Q.*, +, *TVT Oct. 2020 10724-10735*

Data acquisition

Low-Cost Reconstruction of Typical Driving Cycles Based on Empirical Information and Low-Frequency Speed Data. *Shi, S.*, +, *TVT Aug. 2020 8221-8231*

Data aggregation

Energy-Saving Data Aggregation for Multi-UAV System. *Xiong, F.*, +, *TVT Aug. 2020 9002-9016*

Secure Real-Time Traffic Data Aggregation With Batch Verification for Vehicular Cloud in VANETs. *Shen, J.*, +, *TVT Jan. 2020 807-817*

Data analysis

Content-Aware Traffic Data Completion in ITS Based on Generative Adversarial Nets. *Han, L.*, +, *TVT Oct. 2020 11950-11962*

Edge Computing-Aided Framework of Fault Detection for Traction Control Systems in High-Speed Trains. *Chen, H.*, +, *TVT Feb. 2020 1309-1318*

State-of-Health Estimation and Remaining-Useful-Life Prediction for Lithium-Ion Battery Using a Hybrid Data-Driven Method. *Gou, B.*, +, *TVT Oct. 2020 10854-10867*

Data centers

Auction Mechanism for Dynamic Bandwidth Allocation in Multi-Tenant Edge Computing. *Le, T.H.T.*, +, *TVT Dec. 2020 15162-15176*

Data communication

Compensation of Communication Delays in a Cooperative ACC System. *Xing, H.*, +, *TVT Feb. 2020 1177-1189*

DAVT: An Error-Bounded Vehicle Trajectory Data Representation and Compression Framework. *Chen, C.*, +, *TVT Oct. 2020 10606-10618*

Deep Reinforcement Learning-Based Adaptive Computation Offloading for MEC in Heterogeneous Vehicular Networks. *Ke, H.*, +, *TVT July 2020 7916-7929*

Intelligent Reflecting Surface-Assisted Millimeter Wave Communications: Joint Active and Passive Precoding Design. *Wang, P.*, +, *TVT Dec. 2020 14960-14973*

Spatial Modulation for Terahertz Communication Systems With Hardware Impairments. *Mao, T.*, +, *TVT April 2020 4553-4557*

Data compression

Computing and Relaying: Utilizing Mobile Edge Computing for P2P Communications. *Qin, M.*, +, *TVT Feb. 2020 1582-1594*

DAVT: An Error-Bounded Vehicle Trajectory Data Representation and Compression Framework. *Chen, C.*, +, *TVT Oct. 2020 10606-10618*

Human-Perception-Oriented Pseudo Analog Video Transmissions With Deep Learning. *Tang, X.*, +, *TVT Sept. 2020 9896-9909*

Mobile Image Communications Using Deep Neural Networks for Heterogeneous User Devices in MIMO Channels. *Chang, S.*, +, *TVT June 2020 6359-6373*

Near-Instantaneously Adaptive Multi-Set Space-Time Shift Keying for UAV-Aided Video Surveillance. *Zhang, Y.*, +, *TVT Nov. 2020 12843-12856*

Data dissemination

Efficient 3D Road Map Data Exchange for Intelligent Vehicles in Vehicular Fog Networks. *Ho, I.W.*, +, *TVT March 2020 3151-3165*

Data flow analysis

Improving TCP Performance Over WiFi for Internet of Vehicles: A Federated Learning Approach. *Pokhrel, S.R.*, +, *TVT June 2020 6798-6802*

Data flow graphs

Efficient Hardware for Generalized Turbo Signal Recovery in Compressed Sensing. *Zhang, C.*, +, *TVT Feb. 2020 1245-1256*

Data handling

Data-Driven Interference Localization Using a Single Satellite Based on Received Signal Strength. *Shen, Z.*, +, *TVT Aug. 2020 8657-8669*

Data integrity

ARFV: An Efficient Shared Data Auditing Scheme Supporting Revocation for Fog-Assisted Vehicular Ad-Hoc Networks. *Cui, M.*, +, *TVT Dec. 2020 15815-15827*

BlockEd: Blockchain-Based Secure Data Processing Framework in Edge Envisioned V2X Environment. *Aujla, G.S.*, +, *TVT June 2020 5850-5863*

Deep Reinforcement Learning and Permissioned Blockchain for Content Caching in Vehicular Edge Computing and Networks. *Dai, Y.*, +, *TVT April 2020 4312-4324*

Data mining

An Accurate Device-Free Action Recognition System Using Two-Stream Network. *Sheng, B.*, +, *TVT July 2020 7930-7939*

Anomalous Trajectory Detection and Classification Based on Difference and Intersection Set Distance. *Wang, J.*, +, *TVT March 2020 2487-2500*

Blockchain Meets Edge Computing: Stackelberg Game and Double Auction Based Task Offloading for Mobile Blockchain. *Guo, S.*, +, *TVT May 2020 5549-5561*

Connected Vehicle Based Distributed Meta-Learning for Online Adaptive Engine/Powertrain Fuel Consumption Modeling. *Ma, X.*, +, *TVT Sept. 2020 9553-9565*

Multi-Task Learning at the Mobile Edge: An Effective Way to Combine Traffic Classification and Prediction. *Rago, A.*, +, *TVT Sept. 2020 10362-10374*

On Extracting Regular Travel Behavior of Private Cars Based on Trajectory Data Analysis. *Xiao, Z.*, +, *TVT Dec. 2020 14537-14549*

Real-Time Single-Stage Vehicle Detector Optimized by Multi-Stage Image-Based Online Hard Example Mining. *Lin, C.*, +, *TVT Feb. 2020 1505-1518*

Data models

Formal Verification and Performance Analysis of a New Data Exchange Protocol for Connected Vehicles. *Chouali, S.*, +, *TVT Dec. 2020 15385-15397*

Least-Energy Path Planning With Building Accurate Power Consumption Model of Rotary Unmanned Aerial Vehicle. *Hong, D.*, +, *TVT Dec. 2020 14803-14817*

Remaining Useful Life Prediction for Lithium-Ion Batteries Based on Capacity Estimation and Box-Cox Transformation. *Xue, Q.*, +, *TVT Dec. 2020 14765-14779*

Data privacy

A Blockchain-Based Framework for Lightweight Data Sharing and Energy Trading in V2G Network. *Hassija, V.*, +, *TVT June 2020 5799-5812*

A Blockchain-Based Searchable Public-Key Encryption With Forward and Backward Privacy for Cloud-Assisted Vehicular Social Networks. *Chen, B.*, +, *TVT June 2020 5813-5825*

A Location Privacy-Preserving System Based on Query Range Cover-Up or Location-Based Services. *Wu, Z.*, +, *TVT May 2020 5244-5254*

- A Privacy-Preserving Secure Framework for Electric Vehicles in IoT Using Matching Market and Signcryption. *Kumar, G.*, +, *TVT July 2020 7707-7722*
- An Efficient Hybrid Signcryption Scheme With Conditional Privacy-Preservation for Heterogeneous Vehicular Communication in VANETs. *Ali, I.*, +, *TVT Oct. 2020 11266-11280*
- An Efficient Privacy-Preserving Authenticated Key Agreement Scheme for Edge-Assisted Internet of Drones. *Gope, P.*, +, *TVT Nov. 2020 13621-13630*
- An Identity-Based and Revocable Data-Sharing Scheme in VANETs. *Hornig, S.*, +, *TVT Dec. 2020 15933-15946*
- Blockchain Empowered Asynchronous Federated Learning for Secure Data Sharing in Internet of Vehicles. *Lu, Y.*, +, *TVT April 2020 4298-4311*
- Blockchain Empowered Cooperative Authentication With Data Traceability in Vehicular Edge Computing. *Liu, H.*, +, *TVT April 2020 4221-4232*
- Blockchain Enabled Trust-Based Location Privacy Protection Scheme in VANET. *Luo, B.*, +, *TVT Feb. 2020 2034-2048*
- Blockchain-Envisioned Secure Data Delivery and Collection Scheme for 5G-Based IoT-Enabled Internet of Drones Environment. *Bera, B.*, +, *TVT Aug. 2020 9097-9111*
- BlockEd: Blockchain-Based Secure Data Processing Framework in Edge Envisioned V2X Environment. *Aujla, G.S.*, +, *TVT June 2020 5850-5863*
- BSFP: Blockchain-Enabled Smart Parking With Fairness, Reliability and Privacy Protection. *Zhang, C.*, +, *TVT June 2020 6578-6591*
- DAPA: A Decentralized, Accountable, and Privacy-Preserving Architecture for Car Sharing Services. *Huang, C.*, +, *TVT May 2020 4869-4882*
- Deep Reinforcement Learning and Permissioned Blockchain for Content Caching in Vehicular Edge Computing and Networks. *Dai, Y.*, +, *TVT April 2020 4312-4324*
- Device Association for RAN Slicing Based on Hybrid Federated Deep Reinforcement Learning. *Liu, Y.*, +, *TVT Dec. 2020 15731-15745*
- Edge Computing-Based Privacy-Preserving Authentication Framework and Protocol for 5G-Enabled Vehicular Networks. *Zhang, J.*, +, *TVT July 2020 7940-7954*
- Efficient and Secure Location-Based Services Scheme in VANET. *Yadav, V.K.*, +, *TVT Nov. 2020 13567-13578*
- ESAC: An Efficient and Secure Access Control Scheme in Vehicular Named Data Networking. *Jiang, S.*, +, *TVT Sept. 2020 10252-10263*
- FBIA: A Fog-Based Identity Authentication Scheme for Privacy Preservation in Internet of Vehicles. *Song, L.*, +, *TVT May 2020 5403-5415*
- Full Session Key Agreement Scheme Based on Chaotic Map in Vehicular Ad Hoc Networks. *Cui, J.*, +, *TVT Aug. 2020 8914-8924*
- Importance-Aware Data Selection and Resource Allocation in Federated Edge Learning System. *He, Y.*, +, *TVT Nov. 2020 13593-13605*
- Improving TCP Performance Over WiFi for Internet of Vehicles: A Federated Learning Approach. *Pokhrel, S.R.*, +, *TVT June 2020 6798-6802*
- LDV: A Lightweight DAG-Based Blockchain for Vehicular Social Networks. *Yang, W.*, +, *TVT June 2020 5749-5759*
- Lightweight and Privacy-Preserving ID-as-a-Service Provisioning in Vehicular Cloud Computing. *Yao, Y.*, +, *TVT Feb. 2020 2185-2194*
- Lightweight Mutual Authentication Protocol for V2G Using Physical Unclonable Function. *Bansal, G.*, +, *TVT July 2020 7234-7246*
- MPFSLP: Masqueraded Probabilistic Flooding for Source-Location Privacy in VANETs. *Singh, P.K.*, +, *TVT Oct. 2020 11383-11393*
- P2B: Privacy Preserving Identity-Based Broadcast Proxy Re-Encryption. *Maiti, S.*, +, *TVT May 2020 5610-5617*
- P4Mobi: A Probabilistic Privacy-Preserving Framework for Publishing Mobility Datasets. *Yang, Q.*, +, *TVT July 2020 6987-6999*
- Preserving Privacy in WiFi Localization With Plausible Dummy Locations. *Zhao, P.*, +, *TVT Oct. 2020 11909-11925*
- Privacy-Preserving Authentication Scheme for Connected Electric Vehicles Using Blockchain and Zero Knowledge Proofs. *Gabay, D.*, +, *TVT June 2020 5760-5772*
- Privacy-Preserving Compressive Sensing for Real-Time Traffic Monitoring in Urban City. *Guo, W.*, +, *TVT Dec. 2020 14510-14522*
- Private Uplink Communication in C-RAN With Untrusted Radios. *Taghizadeh, O.*, +, *TVT July 2020 8034-8039*
- Secure and Efficient Privacy-Preserving Authentication Scheme for 5G Software Defined Vehicular Networks. *Huang, J.*, +, *TVT Aug. 2020 8542-8554*
- Secure SVM Training Over Vertically-Partitioned Datasets Using Consortium Blockchain for Vehicular Social Networks. *Shen, M.*, +, *TVT June 2020 5773-5783*
- Socially Privacy-Preserving Data Collection for Crowdsensing. *Yang, G.*, +, *TVT Jan. 2020 851-861*
- T-Safe: Trustworthy Service Provisioning for IoT-Based Intelligent Transport Systems. *Dass, P.*, +, *TVT Sept. 2020 9509-9517*
- Towards Airbnb-Like Privacy-Enhanced Private Parking Spot Sharing Based on Blockchain. *Wang, L.*, +, *TVT March 2020 2411-2423*
- TrustAccess: A Trustworthy Secure Ciphertext-Policy and Attribute Hiding Access Control Scheme Based on Blockchain. *Gao, S.*, +, *TVT June 2020 5784-5798*
- Unified Biometric Privacy Preserving Three-Factor Authentication and Key Agreement for Cloud-Assisted Autonomous Vehicles. *Jiang, Q.*, +, *TVT Sept. 2020 9390-9401*
- Verifiable and Privacy-Preserving Traffic Flow Statistics for Advanced Traffic Management Systems. *Zhang, C.*, +, *TVT Sept. 2020 10336-10347*
- Data reduction**
- LDV: A Lightweight DAG-Based Blockchain for Vehicular Social Networks. *Yang, W.*, +, *TVT June 2020 5749-5759*
- Data security**
- Device Association for RAN Slicing Based on Hybrid Federated Deep Reinforcement Learning. *Liu, Y.*, +, *TVT Dec. 2020 15731-15745*
- Data structures**
- A Blockchain-Based Framework for Lightweight Data Sharing and Energy Trading in V2G Network. *Hassija, V.*, +, *TVT June 2020 5799-5812*
- BSFP: Blockchain-Enabled Smart Parking With Fairness, Reliability and Privacy Protection. *Zhang, C.*, +, *TVT June 2020 6578-6591*
- DAGIoV: A Framework for Vehicle to Vehicle Communication Using Directed Acyclic Graph and Game Theory. *Hassija, V.*, +, *TVT April 2020 4182-4191*
- DAVT: An Error-Bounded Vehicle Trajectory Data Representation and Compression Framework. *Chen, C.*, +, *TVT Oct. 2020 10606-10618*
- Decentralized Coded Caching Scheme With Heterogeneous File Sizes. *Zheng, L.*, +, *TVT Jan. 2020 818-827*
- P4Mobi: A Probabilistic Privacy-Preserving Framework for Publishing Mobility Datasets. *Yang, Q.*, +, *TVT July 2020 6987-6999*
- Data visualization**
- Truncated Tree Based Hybrid Beamforming for Multi-Panel MIMO. *Wang, W.*, +, *TVT Nov. 2020 13974-13978*
- DC distribution systems**
- Power Flow Simulation in the Product Development Process of Modern Vehicular DC Distribution Systems. *Mantilla-Perez, P.*, +, *TVT May 2020 5025-5040*
- DC motors**
- A Mechatronic Brake Booster for Electric Vehicles: Design, Control, and Experiment. *Wu, J.*, +, *TVT July 2020 7040-7053*
- DC-DC power converters**
- A High Voltage Gain DC-DC Converter With Common Grounding for Fuel Cell Vehicle. *Kumar, A.*, +, *TVT Aug. 2020 8290-8304*
- A Multifunctional Solar PV and Grid Based On-Board Converter for Electric Vehicles. *Singh, A.K.*, +, *TVT April 2020 3717-3727*
- A New Hybrid Structure of a Bidirectional DC-DC Converter With High Conversion Ratios for Electric Vehicles. *Elsayad, N.*, +, *TVT Jan. 2020 194-206*
- A Novel High-Gain DC-DC Converter Applied in Fuel Cell Vehicles. *Wu, X.*, +, *TVT Nov. 2020 12763-12774*
- A Reconfigurable On-Board Power Converter for Electric Vehicle With Reduced Switch Count. *Meher, S.R.*, +, *TVT April 2020 3760-3772*
- Development of an Electric Vehicle Synchronous Reluctance Motor Drive. *Kumar, G.V.*, +, *TVT May 2020 5012-5024*
- Variable-Frequency Critical Soft-Switching of Wide-Bandgap Devices for Efficient High-Frequency Nonisolated DC-DC Converters. *Agrawal, B.*, +, *TVT June 2020 6094-6106*

Decentralized control

Rear-Steering Based Decentralized Control of Four-Wheel Steering Vehicle. *Wu, Y.*, +, *TVT Oct. 2020 10899-10913*

Decision feedback equalizers

Iterative Processing Structure for the Single-Channel Mixture of Digital-Modulated Adjacent-Frequency Source Signals. *Yang, Y.*, +, *TVT Feb. 2020 1639-1650*

Kernel MSER-DFE Based Post-Distorter for VLC Using Random Fourier Features. *Jain, S.*, +, *TVT Dec. 2020 16241-16246*

SDP-IGD: An Iterative Power Allocation Technique for Cluster-Based Multihop Vehicular Communications. *Alam, M.Z.*, +, *TVT July 2020 7908-7915*

Decision making

A Decision-Making Strategy for Vehicle Autonomous Braking in Emergency via Deep Reinforcement Learning. *Fu, Y.*, +, *TVT June 2020 5876-5888*

An Edge Computing Based Public Vehicle System for Smart Transportation. *Lin, J.*, +, *TVT Nov. 2020 12635-12651*

Coordinated Charging Control of Electric Vehicles While Improving Power Quality in Power Grids Using a Hierarchical Decision-Making Approach. *Zahedmanesh, A.*, +, *TVT Nov. 2020 12585-12596*

Dynamics-Constrained Global-Local Hybrid Path Planning of an Autonomous Surface Vehicle. *Wang, N.*, +, *TVT July 2020 6928-6942*

Ethical Decision-Making Platform in Autonomous Vehicles With Lexicographic Optimization Based Model Predictive Controller. *Wang, H.*, +, *TVT Aug. 2020 8164-8175*

Learning Based Joint Cache and Power Allocation in Fog Radio Access Networks. *Rahman, G.M.S.*, +, *TVT April 2020 4401-4411*

Mobile Vehicles as Fog Nodes for Latency Optimization in Smart Cities. *Tang, C.*, +, *TVT Sept. 2020 9364-9375*

Multi-Agent Deep Reinforcement Learning for Urban Traffic Light Control in Vehicular Networks. *Wu, T.*, +, *TVT Aug. 2020 8243-8256*

Novel Fuzzy and Game Theory Based Clustering and Decision Making for VANETs. *Alsarhan, A.*, +, *TVT Feb. 2020 1568-1581*

Optimal Service Pricing and Charging Scheduling of an Electric Vehicle Sharing System. *Xie, R.*, +, *TVT Jan. 2020 78-89*

Optimization of Multitenant Radio Admission Control Through a Semi-Markov Decision Process. *Perez-Romero, J.*, +, *TVT Jan. 2020 862-875*

T-Safe: Trustworthy Service Provisioning for IoT-Based Intelligent Transport Systems. *Dass, P.*, +, *TVT Sept. 2020 9509-9517*

User Assisted Dynamic RAN Notification Area Configuration Scheme Based on Delay Sensitivity for 5G Inactive UEs. *Huang, X.*, +, *TVT March 2020 2671-2683*

Decision theory

An Optimal Policy for Hybrid Channel Access in Cognitive Radio Networks With Energy Harvesting. *Tayel, A.F.*, +, *TVT Oct. 2020 11253-11265*

Mobility and Blockage-Aware Communications in Millimeter-Wave Vehicular Networks. *Hussain, M.*, +, *TVT Nov. 2020 13072-13086*

Scheduling for Mobile Edge Computing With Random User Arrivals—An Approximate MDP and Reinforcement Learning Approach. *Huang, S.*, +, *TVT July 2020 7735-7750*

Decision trees

A Dynamic Trust Evaluation and Update Mechanism Based on C4.5 Decision Tree in Underwater Wireless Sensor Networks. *Jiang, J.*, +, *TVT Aug. 2020 9031-9040*

Decode and forward communication

Adaptive Power Factor Allocation for Cooperative Full-Duplex NOMA Systems With Imperfect SIC and Rate Fairness. *Lima, B.K.S.*, +, *TVT Nov. 2020 14061-14066*

Adaptive Relay Selection Strategies for Cooperative NOMA Networks With User and Relay Cooperation. *Li, G.*, +, *TVT Oct. 2020 11728-11742*

Analysis of DF Relay Selection in Massive MIMO Systems With Hardware Impairments. *Kazemi, M.*, +, *TVT June 2020 6141-6152*

Antenna Optimization for Decode-and-Forward Relay in Magnetic Induction Communications. *Ma, H.*, +, *TVT March 2020 3449-3453*

Backscatter Communication Powered By Selective Relaying. *Li, D.*, *TVT Nov. 2020 14037-14042*

Backscatter Communication via Harvest-Then-Transmit Relaying. *Li, D.*, *TVT June 2020 6843-6847*

Cooperative Time Successive SSK-*M*-ary Modulation for Decode-and-Forward Relay Systems. *Maheswaran, P.*, +, *TVT Jan. 2020 537-551*

Cross-Media Communications With Decode-and-Forward Relay and Optimal Power Allocation. *Li, Y.*, +, *TVT Aug. 2020 9201-9205*

DCE-Based Secure Transmission for Massive MIMO Relay System Against Active Eavesdropper. *Lu, X.*, +, *TVT Nov. 2020 13045-13059*

Incremental Decode-and-Forward Protocols for D2D Communication: A Diversity-Multiplexing-Tradeoff Perspective. *Yang, T.*, +, *TVT Nov. 2020 13927-13931*

On Cooperative Achievable Rates of UAV Assisted Cellular Networks. *Song, Y.*, +, *TVT Sept. 2020 9882-9895*

Optimal Relay Selection for Secure NOMA Systems Under Untrusted Users. *Cao, K.*, +, *TVT Feb. 2020 1942-1955*

Outage Analysis of RF Energy Harvesting Cooperative Communication Systems Over Nakagami-*m*Fading Channels With Integer and Non-Integer *m*. *Hoang, T.M.*, +, *TVT March 2020 2785-2801*

Outage Performance Analysis of Two-Way Full-Duplex DF Relaying Networks With Beamforming. *Lee, J.*, +, *TVT Aug. 2020 8753-8763*

Performance Analysis of Dual-Hop Relaying With I/Q Imbalance and Additive Hardware Impairment. *Gao, Y.*, +, *TVT April 2020 4580-4584*

Performance of SWIPT for Full-Duplex Relay System With Co-Channel Interference. *Guo, J.*, +, *TVT Feb. 2020 2311-2315*

Pilot Assignment and Power Allocation for Multipair Massive MIMO DF Relaying Networks. *Ho, C.D.*, +, *TVT July 2020 7379-7388*

Secrecy Analysis of Ambient Backscatter NOMA Systems Under I/Q Imbalance. *Li, X.*, +, *TVT Oct. 2020 12286-12290*

Secrecy Performance of NOMA Systems With Energy Harvesting and Full-Duplex Relaying. *Guo, C.*, +, *TVT Oct. 2020 12301-12305*

Secrecy Under Rayleigh-Dual Correlated Rician Fading Employing Opportunistic Relays and an Adaptive Encoder. *Le, K.N.*, +, *TVT May 2020 5179-5192*

Self-Energized UAV-Assisted Scheme for Cooperative Wireless Relay Networks. *Jayakody, D.N.K.*, +, *TVT Jan. 2020 578-592*

Decoding

A Multi-Tone Amplitude Modulation Scheme for Wireless Information and Power Transfer. *Im, C.*, +, *TVT Jan. 2020 1147-1151*

A New IDMA System Based on CSK Modulation for Multiuser Underwater Acoustic Communications. *Jing, L.*, +, *TVT March 2020 3080-3092*

Adaptive Power Factor Allocation for Cooperative Full-Duplex NOMA Systems With Imperfect SIC and Rate Fairness. *Lima, B.K.S.*, +, *TVT Nov. 2020 14061-14066*

An Adaptive BLAST Successive Interference Cancellation Method for High Data Rate Perfect Space-Time Coded MIMO Systems. *Grabner, M.J.*, +, *TVT Feb. 2020 1542-1553*

An Efficient Software Stack Sphere Decoder for Polar Codes. *Zhou, H.*, +, *TVT Feb. 2020 1257-1266*

Analysis and Improvement of Error-Floor Performance for JSCC Scheme Based on Double Protograph LDPC Codes. *Chen, Q.*, +, *TVT Dec. 2020 14316-14329*

Backscatter Communication via Harvest-Then-Transmit Relaying. *Li, D.*, *TVT June 2020 6843-6847*

Channel-Aware Power Allocation and Decoding Order in Overlay Cognitive NOMA Networks. *Li, G.*, +, *TVT June 2020 6511-6524*

Compressive Sensing Based Massive Access for IoT Relying on Media Modulation Aided Machine Type Communications. *Qiao, L.*, +, *TVT Sept. 2020 10391-10396*

Concurrent OFDM Demodulation and Turbo Decoding for Ultra Reliable Low Latency Communication. *Xiang, L.*, +, *TVT Feb. 2020 1281-1290*

Delayed Bit Interleaved Coded Sparse Code Multiple Access. *Mheich, Z.*, +, *TVT July 2020 8018-8022*

Design and Analysis of Joint Source Channel Coding Schemes Over Non-Standard Coding Channels. *Chen, Q.*, +, *TVT May 2020 5369-5380*

Double Space-Time Line Codes. *Joung, J.*, +, *TVT Feb. 2020 2316-2321*

Efficient Belief Propagation Polar Decoder With Loop Simplification Based Factor Graphs. *Ren, Y.*, +, *TVT May 2020 5657-5660*

Efficient Receiver Design for Uplink Cell-Free Massive MIMO With Hardware Impairments. *Zheng, J.*, +, *TVT April 2020 4537-4541*

- Efficient Sparse Code Multiple Access Decoder Based on Deterministic Message Passing Algorithm. *Zhang, C.*, +, *TVT April 2020 3562-3574*
- Enhanced Diversity-Achieving Quadrature Spatial Modulation With Fast Decodability. *Wang, L.*, +, *TVT June 2020 6165-6177*
- Finite-Alphabet Signature Design for Grant-Free NOMA: A Quantized Deep Learning Approach. *Yu, H.*, +, *TVT Oct. 2020 10975-10987*
- Fountain-Coding Aided Secure Transmission With Delay and Content Awareness. *Sun, L.*, +, *TVT July 2020 7992-7997*
- Improper Gaussian Signaling for Computationally Tractable Energy and Information Beamforming. *Yu, H.*, +, *TVT Nov. 2020 13990-13995*
- Joint Energy-Efficient Power Allocation and Beamforming for Uplink mmWave-NOMA System. *Yu, X.*, +, *TVT Oct. 2020 12291-12295*
- Joint Transmit Power and Placement Optimization for URLLC-Enabled UAV Relay Systems. *Ren, H.*, +, *TVT July 2020 8003-8007*
- Large Kernel Polar Codes With Efficient Window Decoding. *Abbasi, F.*, +, *TVT Nov. 2020 14031-14036*
- Learning to Denoise and Decode: A Novel Residual Neural Network Decoder for Polar Codes. *Zhu, H.*, +, *TVT Aug. 2020 8725-8738*
- Low-Latency Segmented List-Pruning Software Polar List Decoder. *Shen, Y.*, +, *TVT April 2020 3575-3589*
- Near-Perfect Code Scrambling With Limited Key Information for Wiretap Channels. *Park, S.*, +, *TVT Nov. 2020 13410-13423*
- Network Coding Assisted Secure Transmission in Full-Duplex Relay Networks. *He, H.*, +, *TVT Aug. 2020 9196-9200*
- Novel Outage-Aware NOMA Protocol for Secrecy Fairness Maximization Among Untrusted Users. *Thapar, S.*, +, *TVT Nov. 2020 13259-13272*
- On the Multiplexing of Data and Metadata for Ultra-Reliable Low-Latency Communications in 5G. *Karimi, A.*, +, *TVT Oct. 2020 12136-12147*
- Optimal Resource Allocation for Multicarrier NOMA in Short Packet Communications. *Chen, J.*, +, *TVT Feb. 2020 2141-2156*
- Optimal-Power Superposition Modulation for Scalable Video Broadcasting. *Zhang, Y.*, +, *TVT Dec. 2020 16230-16234*
- Performance Analysis of Spatial Modulation Aided NOMA With Full-Duplex Relay. *Si, Q.*, +, *TVT May 2020 5683-5687*
- Private Uplink Communication in C-RAN With Untrusted Radios. *Taghizadeh, O.*, +, *TVT July 2020 8034-8039*
- Reduced Complexity Sparse Recovery Detectors for Differential Space Shift Keying MIMO System. *Alshawaqfeh, M.*, +, *TVT April 2020 4558-4562*
- Reduced-Complexity Low-Latency Logarithmic Successive Cancellation Stack Polar Decoding for 5G New Radio and Its Software Implementation. *Xiang, L.*, +, *TVT Nov. 2020 12449-12458*
- Reducing the Mutual Outage Probability of Cooperative Non-Orthogonal Multiple Access. *Riaz, S.*, +, *TVT Dec. 2020 16207-16212*
- Secure Degrees of Freedom of Rank-Deficient BCCM and Rank-Deficient ICCM. *Wang, Q.*, +, *TVT April 2020 4033-4041*
- Secure Transmission via Power Allocation in NOMA-UAV Networks With Circular Trajectory. *Chen, X.*, +, *TVT Sept. 2020 10033-10045*
- Security Enhancement Using a Novel Two-Slot Cooperative NOMA Scheme. *Chen, B.*, +, *TVT March 2020 3470-3475*
- Short-Frame Fountain Code for Plasma Sheath With "Communication Windows". *Zhang, H.*, +, *TVT Dec. 2020 15569-15579*
- Soft List Decoding of Polar Codes. *Xiang, L.*, +, *TVT Nov. 2020 13921-13926*
- Space-Frequency Increment Index Modulation Approach for Fifth Generation and Beyond Wireless Communication Systems. *Nusenu, S.Y.*, +, *TVT June 2020 6286-6298*
- Sparse-Encoded Codebook Index Modulation. *Arslan, E.*, +, *TVT Aug. 2020 9126-9130*
- Stochastic Belief Propagation Polar Decoding With Efficient Re-Randomization. *Xu, M.*, +, *TVT June 2020 6771-6776*
- Sum-Throughput Maximization Based on the Significance and Fairness of Sensors for Energy and Information Transfer in Virtual MIMO-WBAN. *Wang, T.*, +, *TVT Nov. 2020 13400-13409*
- Theoretical Throughput Analysis for Massive Random Access With Spatial Successive Decoding. *Li, P.*, +, *TVT July 2020 7998-8002*
- Throughput Analysis of Low-Latency IoT Systems With QoS Constraints and Finite Blocklength Codes. *Hu, Y.*, +, *TVT March 2020 3093-3104*
- UAV-Enabled Secure Communication With Finite Blocklength. *Wang, Y.*, +, *TVT Dec. 2020 16309-16313*
- Uplink NOMA Random Access Systems With Space-Time Line Code. *Seo, J.*, +, *TVT April 2020 4522-4526*
- Wireless Power Transfer Based Adaptive Relaying With Energy Accumulation. *Zhai, C.*, +, *TVT Oct. 2020 11014-11027*
- Deep learning**
- Accumulated Polar Feature-Based Deep Learning for Efficient and Lightweight Automatic Modulation Classification With Channel Compensation Mechanism. *Teng, C.*, +, *TVT Dec. 2020 15472-15485*
- Deep Learning Based Power Allocation for Workload Driven Full-Duplex D2D-Aided Underlying Networks. *Du, C.*, +, *TVT Dec. 2020 15880-15892*
- Development of Artificial Intelligence to Classify Quality of Transmission Shift Control Using Deep Convolutional Neural Networks. *Kawakami, T.*, +, *TVT Dec. 2020 16168-16172*
- Degradation**
- An Online Self Cold Startup Methodology for PEM Fuel Cells in Vehicular Applications. *Amamou, A.*, +, *TVT Dec. 2020 14160-14172*
- Fuzzy Model Based Control for Energy Management and Optimization in Fuel Cell Vehicles. *Shen, D.*, +, *TVT Dec. 2020 14674-14688*
- Throughput of CDM-Based Random Access With SINR Capture. *Choi, H.*, +, *TVT Dec. 2020 15046-15056*
- Delay estimation**
- A Novel Multipath Mitigation Technique for GNSS Signals in Urban Scenarios. *Kumar, A.*, +, *TVT March 2020 2649-2658*
- Accurate Probability Distribution Calculation for Drone-Based Highway-VANETs. *Seliem, H.*, +, *TVT Jan. 2020 1127-1130*
- Multiple Delay Estimation for Collision Resolution in Non-Orthogonal Random Access. *Bai, L.*, +, *TVT Jan. 2020 497-508*
- Delay filters**
- Phase-Coded FMCW Automotive Radar: System Design and Interference Mitigation. *Uysal, F.*, *TVT Jan. 2020 270-281*
- Delay systems**
- Trajectory Tracking Control of Autonomous Vehicle With Random Network Delay. *Luan, Z.*, +, *TVT Aug. 2020 8140-8150*
- Delay tolerant networks**
- Optimal Resource Allocation in Cellular Networks With H2H/M2M Coexistence. *Alhussien, N.*, +, *TVT Nov. 2020 12951-12962*
- User Assisted Dynamic RAN Notification Area Configuration Scheme Based on Delay Sensitivity for 5G Inactive UEs. *Huang, X.*, +, *TVT March 2020 2671-2683*
- Delays**
- A Route Segmented Broadcast Protocol Based on RFID for Emergency Message Dissemination in Vehicular Ad-Hoc Networks. *Afrashteh, M.*, +, *TVT Dec. 2020 16017-16026*
- A Study of Cross-Layer BP/LTP Data Block Size in Space Vehicle Communications Over Lossy and Highly Asymmetric Channels. *Zhou, Y.*, +, *TVT Dec. 2020 16126-16141*
- Auction Mechanism for Dynamic Bandwidth Allocation in Multi-Tenant Edge Computing. *Le, T.H.T.*, +, *TVT Dec. 2020 15162-15176*
- Calibration of Ray-Tracing With Diffuse Scattering Against 28-GHz Directional Urban Channel Measurements. *Charbonnier, R.*, +, *TVT Dec. 2020 14264-14276*
- Deep Reinforcement Learning-Based Adaptive Computation Offloading for MEC in Heterogeneous Vehicular Networks. *Ke, H.*, +, *TVT July 2020 7916-7929*
- DEFT: Decentralized Multiuser Computation Offloading in a Fog-Enabled IoV Environment. *Deb, P.K.*, +, *TVT Dec. 2020 15978-15987*
- Distributed Control of Cooperative Vehicular Platoon With Nonideal Communication Condition. *Ma, F.*, +, *TVT Aug. 2020 8207-8220*
- Distributed Video Content Caching Policy With Deep Learning Approaches for D2D Communication. *Liu, Z.*, +, *TVT Dec. 2020 15644-15655*
- Edge Computing-Based Collaborative Vehicles 3D Mapping in Real Time. *Wen, S.*, +, *TVT Nov. 2020 12470-12481*
- GPS L1CA/BDS BII Multipath Channel Measurements and Modeling for Dynamic Land Vehicle in Shanghai Dense Urban Area. *Chen, X.*, +, *TVT Dec. 2020 14247-14263*

- Low Complexity Iterative Rake Decision Feedback Equalizer for Zero-Padded OTFS Systems. *Thaj, T.*, +, *TVT Dec. 2020 15606-15622*
- Low-Delay Path Selection for Cluster-Based Buffer-Aided Vehicular Communications. *Alam, M.Z.*, +, *TVT Sept. 2020 9356-9363*
- MDP-Based Task Offloading for Vehicular Edge Computing Under Certain and Uncertain Transition Probabilities. *Zhang, X.*, +, *TVT March 2020 3296-3309*
- Min-Max Model Predictive Vehicle Platooning With Communication Delay. *Lan, J.*, +, *TVT Nov. 2020 12570-12584*
- Multi-Level Sequence-Based Frequency-Hopping in Multi-Cell Networks. *Zeng, Q.*, +, *TVT Dec. 2020 16282-16287*
- NOMA Versus OMA in Finite Blocklength Regime: Link-Layer Rate Performance. *Amjad, M.*, +, *TVT Dec. 2020 16253-16257*
- Non-Redundant OFDM Receiver Windowing for 5G Frames and Beyond. *Pekoz, B.*, +, *TVT Jan. 2020 676-684*
- Optimal Control Design for Connected Cruise Control With Stochastic Communication Delays. *Wang, Z.*, +, *TVT Dec. 2020 15357-15369*
- OTFS Based Random Access Preamble Transmission for High Mobility Scenarios. *Sinha, A.K.*, +, *TVT Dec. 2020 15078-15094*
- Research on Compound Coordinated Control for a Power-Split Hybrid Electric Vehicle Based on Compensation of Non-Ideal Communication Network. *Wang, J.*, +, *TVT Dec. 2020 14818-14833*
- Response Delay Optimization in Mobile Edge Computing Enabled UAV Swarm. *Zhang, Q.*, +, *TVT March 2020 3280-3295*
- Stability Region and Delay Analysis of a SWIPT-Based Two-Way Relay Network With Opportunistic Network Coding. *Moradian, M.*, +, *TVT Dec. 2020 15682-15693*
- Time-Dependent Performance Analysis of the 802.11p-Based Platooning Communications Under Disturbance. *Wu, Q.*, +, *TVT Dec. 2020 15760-15773*
- Time-Expanded Graph Based Energy-Efficient Delay-Bounded Multicast Over Satellite Networks. *Shi, K.*, +, *TVT Sept. 2020 10380-10384*
- Trajectory Tracking Control of Autonomous Vehicle With Random Network Delay. *Luan, Z.*, +, *TVT Aug. 2020 8140-8150*
- Using Reinforcement Learning to Minimize the Probability of Delay Occurrence in Transportation. *Cao, Z.*, +, *TVT March 2020 2424-2436*

Demand forecasting

- When Network Slicing Meets Prospect Theory: A Service Provider Revenue Maximization Framework. *Fantacci, R.*, +, *TVT March 2020 3179-3189*

Demodulation

- A New IDMA System Based on CSK Modulation for Multiuser Underwater Acoustic Communications. *Jing, L.*, +, *TVT March 2020 3080-3092*
- Concurrent OFDM Demodulation and Turbo Decoding for Ultra Reliable Low Latency Communication. *Xiang, L.*, +, *TVT Feb. 2020 1281-1290*
- Dual-Use Signal Design for Radar and Communication via Ambiguity Function Sidelobe Control. *Yang, J.*, +, *TVT Sept. 2020 9781-9794*
- Intelligent and Reliable Deep Learning LSTM Neural Networks-Based OFDM-DCSK Demodulation Design. *Zhang, L.*, +, *TVT Dec. 2020 16163-16167*
- Non-Coherent Massive MIMO-OFDM Down-Link Based on Differential Modulation. *Chen-Hu, K.*, +, *TVT Oct. 2020 11281-11294*
- Physical Layer Security Designs for 5G NOMA Systems With a Stronger Near-End Internal Eavesdropper. *Zhang, C.*, +, *TVT Nov. 2020 13005-13017*
- Space-Domain Index Modulation for mmWave Cloud Radio Access Networks. *Luo, S.*, +, *TVT June 2020 6215-6229*
- Spatial Group Based Optimal Uplink Power Control for Random Access in Satellite Networks. *Zhao, B.*, +, *TVT July 2020 7354-7365*

Design engineering

- Design and Modeling of Energy Efficient Dual Clutch Transmission With Ball-Ramp Self-Energizing Mechanism. *Kim, D.*, +, *TVT March 2020 2525-2536*
- Improving the Fuel Efficiency of Compact Wheel Loader With a Series Hydraulic Hybrid Powertrain. *Wen, Q.*, +, *TVT Oct. 2020 10700-10709*

Detectors

- Low Complexity Iterative Rake Decision Feedback Equalizer for Zero-Padded OTFS Systems. *Thaj, T.*, +, *TVT Dec. 2020 15606-15622*

- LTE Signal Detector for LSA Spectrum Sharing Model in Portugal. *Milheiro, J.*, +, *TVT Dec. 2020 15127-15136*
- Optimal Non-Coherent Detector for Ambient Backscatter Communication System. *Guruacharya, S.*, +, *TVT Dec. 2020 16197-16201*

Device-to-device communication

- An Autonomous Transmission Scheme Using Dueling DQN for D2D Communication Networks. *Ban, T.*, *TVT Dec. 2020 16348-16352*
- Deep Learning Based Power Allocation for Workload Driven Full-Duplex D2D-Aided Underlying Networks. *Du, C.*, +, *TVT Dec. 2020 15880-15892*
- Distributed Video Content Caching Policy With Deep Learning Approaches for D2D Communication. *Liu, Z.*, +, *TVT Dec. 2020 15644-15655*
- Energy Efficient Relay Selection and Resource Allocation in D2D-Enabled Mobile Edge Computing. *Li, Y.*, +, *TVT Dec. 2020 15800-15814*
- How Much Can Radio Resource Allocation Help to Improve Secrecy Capacity of V2V Underlay Cellular Networks?. *Luo, X.*, +, *TVT Dec. 2020 14932-14944*
- Joint Relay Assignment and Channel Allocation for Opportunistic UAVs-Aided Dynamic Networks: A Mood-Driven Approach. *Zhong, X.*, +, *TVT Dec. 2020 15019-15034*
- Reconfigurable Intelligent Surface (RIS)-Enhanced Two-Way OFDM Communications. *Pradhan, C.*, +, *TVT Dec. 2020 16270-16275*

Dielectric resonator antennas

- Frame Integrated Wideband Dual-Polarized Arrays for Mm-Wave/Sub 6-GHz Mobile Handsets and Its User Effects. *Li, H.*, +, *TVT Dec. 2020 14330-14340*

Dielectric resonators

- Chipless RFID Infrastructure Based Self-Localization: Testbed Evaluation. *El-Absi, M.*, +, *TVT July 2020 7751-7761*

Differential phase shift keying

- A Polarization MDCSK Modulation Without PDL Over Multipath Rayleigh Fading Channels. *Miao, M.*, +, *TVT June 2020 6813-6817*

Digital arithmetic

- Accelerating Parallel Jacobi Method for Matrix Eigenvalue Computation in DOA Estimation Algorithm. *Shi, Z.*, +, *TVT June 2020 6275-6285*

Digital elevation models

- Data-Driven Identification of Characteristic Real-Driving Cycles Based on k-Means Clustering and Mixed-Integer Optimization. *Forster, D.*, +, *TVT March 2020 2398-2410*

Digital signals

- Hybrid Analog-Digital Beamforming Design for SE and EE Maximization in Massive MIMO Networks. *Ardah, K.*, +, *TVT Jan. 2020 377-389*

Digital signatures

- An Efficient Hybrid Signcryption Scheme With Conditional Privacy-Preservation for Heterogeneous Vehicular Communication in VANETs. *Ali, I.*, +, *TVT Oct. 2020 11266-11280*
- Edge Computing-Based Privacy-Preserving Authentication Framework and Protocol for 5G-Enabled Vehicular Networks. *Zhang, J.*, +, *TVT July 2020 7940-7954*
- ESAC: An Efficient and Secure Access Control Scheme in Vehicular Named Data Networking. *Jiang, S.*, +, *TVT Sept. 2020 10252-10263*
- Secure Real-Time Traffic Data Aggregation With Batch Verification for Vehicular Cloud in VANETs. *Shen, J.*, +, *TVT Jan. 2020 807-817*
- Trust Management Scheme Based on Hybrid Cryptography for Secure Communications in VANETs. *Tangade, S.*, +, *TVT May 2020 5232-5243*

Digital television

- Co-Channel Secondary Deployment Over DTV Bands Using Reconfigurable Radios. *Thakur, A.*, +, *TVT Oct. 2020 12202-12215*

Digital video broadcasting

- Co-Channel Secondary Deployment Over DTV Bands Using Reconfigurable Radios. *Thakur, A.*, +, *TVT Oct. 2020 12202-12215*
- Joint Channel Estimation and Precoding for Faster-Than-Nyquist Signaling. *Li, Q.*, +, *TVT Nov. 2020 13139-13147*

Digital-analog conversion

- Joint Modulation and Beamforming for MIMO Systems With 1-b DACs. *Han, Y.*, +, *TVT Jan. 2020 1075-1079*

Dipole antenna arrays

Analytical Estimation of Radiation Mode Radar Cross Section (RCS) of Phased Arrays. *Singh, A.*, +, *TVT June 2020 6415-6421*

Dipole antennas

Frame Integrated Wideband Dual-Polarized Arrays for Mm-Wave/Sub 6-GHz Mobile Handsets and Its User Effects. *Li, H.*, +, *TVT Dec. 2020 14330-14340*

Directed graphs

A Blockchain-Based Framework for Lightweight Data Sharing and Energy Trading in V2G Network. *Hassija, V.*, +, *TVT June 2020 5799-5812*

Blockchain Empowered Asynchronous Federated Learning for Secure Data Sharing in Internet of Vehicles. *Lu, Y.*, +, *TVT April 2020 4298-4311*

DAGIoV: A Framework for Vehicle to Vehicle Communication Using Directed Acyclic Graph and Game Theory. *Hassija, V.*, +, *TVT April 2020 4182-4191*

LDV: A Lightweight DAG-Based Blockchain for Vehicular Social Networks. *Yang, W.*, +, *TVT June 2020 5749-5759*

Robust Event-Triggered Model Predictive Control for Multiple High-Speed Trains With Switching Topologies. *Zhao, H.*, +, *TVT May 2020 4700-4710*

Security Enhanced Content Sharing in Social IoT: A Directed Hypergraph-Based Learning Scheme. *Wang, B.*, +, *TVT April 2020 4412-4425*

Direction-of-arrival estimation

3-D Mixed Far-Field and Near-Field Sources Localization With Cross Array. *Wu, X.*, +, *TVT June 2020 6833-6837*

A Direct Position Determination Approach for Underwater Acoustic Sensor Networks. *Wang, L.*, +, *TVT Nov. 2020 13033-13044*

A Geometric Approach for Distributed Multi-Hop Target Localization in Cooperative Networks. *Tomic, S.*, +, *TVT Jan. 2020 914-919*

Accelerating Parallel Jacobi Method for Matrix Eigenvalue Computation in DOA Estimation Algorithm. *Shi, Z.*, +, *TVT June 2020 6275-6285*

Accurate Indoor Localization Assisted With Optimizing Array Orientations and Receiver Positions. *Sheng, M.*, +, *TVT Jan. 2020 509-521*

An Acoustic-Based Surveillance System for Amateur Drones Detection and Localization. *Shi, Z.*, +, *TVT March 2020 2731-2739*

Angular-Domain Channel Estimation for One-Bit Massive MIMO Systems: Performance Bounds and Algorithms. *Liu, F.*, +, *TVT March 2020 2928-2942*

Complex ResNet Aided DoA Estimation for Near-Field MIMO Systems. *Cao, Y.*, +, *TVT Oct. 2020 11139-11151*

Convex Optimization-Based 2-D DOA Estimation With Enhanced Virtual Aperture and Virtual Snapshots Extension for L-Shaped Array. *Wu, R.*, +, *TVT June 2020 6473-6484*

Data-Driven Interference Localization Using a Single Satellite Based on Received Signal Strength. *Shen, Z.*, +, *TVT Aug. 2020 8657-8669*

Device-Free Multi-Person Respiration Monitoring Using WiFi. *Gao, Q.*, +, *TVT Nov. 2020 14083-14087*

DOA Estimation for Coherent Signals With Improved Sparse Representation in the Presence of Unknown Spatially Correlated Gaussian Noise. *Fang, Y.*, +, *TVT Sept. 2020 10059-10069*

DOA Estimation via Sparse Signal Recovery in 4-D Linear Antenna Arrays With Optimized Time Sequences. *Yang, F.*, +, *TVT Jan. 2020 771-783*

DOA Estimation With Small Snapshots Using Weighted Mixed Norm Based on Spatial Filter. *Liu, B.*, +, *TVT Dec. 2020 16183-16187*

Efficient DOA Estimation Method Using Bias-Compensated Adaptive Filtering. *Liu, C.*, +, *TVT Nov. 2020 13087-13097*

Frequency Synchronization With Beamforming Network Optimization for Uplink Massive MIMO Systems. *Feng, Y.*, +, *TVT March 2020 3486-3490*

High-Resolution Angle-of-Arrival and Channel Estimation for mmWave Massive MIMO Systems With Lens Antenna Array. *Dong, F.*, +, *TVT Nov. 2020 12963-12973*

High-Resolution Delay-Doppler Estimation Using Received Communication Signals for OFDM Radar-Communication System. *Sanson, J.B.*, +, *TVT Nov. 2020 13112-13123*

Improved De-Multipath Neural Network Models With Self-Paced Feature-to-Feature Learning for DOA Estimation in Multipath Environment. *Xiang, H.*, +, *TVT May 2020 5068-5078*

Iterative NDA Positioning Using Angle-of-Arrival Measurements for IoT Sensor Networks. *Monfared, S.*, +, *TVT Oct. 2020 11369-11382*

Joint 2D-DOD, 2D-DOA, and Polarization Angles Estimation for Bistatic EMVS-MIMO Radar via PARAFAC Analysis. *Wen, F.*, +, *TVT Feb. 2020 1626-1638*

Low-Complexity Channel Estimation for Circular and Noncircular Signals in Virtual MIMO Vehicle Communication Systems. *Wang, X.*, +, *TVT April 2020 3916-3928*

Nearly Optimal Sensor Selection for TDOA-Based Source Localization in Wireless Sensor Networks. *Dai, Z.*, +, *TVT Oct. 2020 12031-12042*

Spatial Filtering Based Random Access for Machine-Type Communications in Massive MIMO Cellular Networks. *He, Y.*, +, *TVT Oct. 2020 11479-11490*

Spatial Spectrum Estimation of Incoherently Distributed Sources Based on Low-Rank Matrix Recovery. *Li, J.*, +, *TVT June 2020 6333-6347*

Super Resolution DOA Based on Relative Motion for FMCW Automotive Radar. *Zhang, W.*, +, *TVT Aug. 2020 8698-8709*

Directive antennas

Capacity and Outage of Terahertz Communications With User Micro-Mobility and Beam Misalignment. *Petrov, V.*, +, *TVT June 2020 6822-6827*

Experimental Study on the Impact of Antenna Characteristics on Non-Stationary V2I Channel Parameters in Tunnels. *Yusuf, M.*, +, *TVT Nov. 2020 12396-12407*

Impact of UAV Rotation on MIMO Channel Characterization for Air-to-Ground Communication Systems. *Ma, Z.*, +, *TVT Nov. 2020 12418-12431*

Interference Characterization and Power Optimization for Automotive Radar With Directional Antenna. *Chu, P.*, +, *TVT April 2020 3703-3716*

Learning and Uncertainty-Exploited Directional Antenna Control for Robust Long-Distance and Broad-Band Aerial Communication. *Liu, M.*, +, *TVT Jan. 2020 593-606*

Multi-Panel Sparse Base Station Design With Physical Antenna Effects in Massive MU-MIMO. *Amani, N.*, +, *TVT June 2020 6500-6510*

On Angular Sampling Intervals for Reconstructing Wideband Channel Spatial Profiles in Directional Scanning Measurements. *Fan, W.*, +, *TVT Nov. 2020 13910-13915*

Discharges (electric)

A Hierarchical and Flexible Data-Driven Method for Online State-of-Health Estimation of Li-Ion Battery. *Liu, W.*, +, *TVT Dec. 2020 14739-14748*

Discrete cosine transforms

A Tight Upper Bound for Enhanced DCT-OFDM With Index Modulation. *Cao, A.*, +, *TVT Dec. 2020 16213-16217*

Discrete event simulation

Demand-Aware Provisioning of Electric Vehicles Fast Charging Infrastructure. *Kabir, M.E.*, +, *TVT July 2020 6952-6963*

Discrete Fourier transforms

Blind Modulation Classification for Asynchronous OFDM Systems Over Unknown Signal Parameters and Channel Statistics. *Gupta, R.*, +, *TVT May 2020 5281-5292*

Efficient Hardware for Generalized Turbo Signal Recovery in Compressed Sensing. *Zhang, C.*, +, *TVT Feb. 2020 1245-1256*

High-Resolution Angle-of-Arrival and Channel Estimation for mmWave Massive MIMO Systems With Lens Antenna Array. *Dong, F.*, +, *TVT Nov. 2020 12963-12973*

Hybrid Beamforming for mmWave Massive MIMO Systems Employing DFT-Assisted User Clustering. *Soleimani, M.*, +, *TVT Oct. 2020 11646-11658*

Physical Layer Multicasting in Massive MIMO Systems With Statistical CSIT. *Li, K.*, +, *TVT Feb. 2020 1651-1665*

Pilot Design and Allocation for Multi-Cell Massive MIMO Systems With Two-Tier Receiving. *Hu, A.*, *TVT July 2020 7443-7457*

Reconfigurable Intelligent Surface (RIS)-Enhanced Two-Way OFDM Communications. *Pradhan, C.*, +, *TVT Dec. 2020 16270-16275*

Dispersive channels

Iterative Processing Structure for the Single-Channel Mixture of Digital-Modulated Adjacent-Frequency Source Signals. *Yang, Y.*, +, *TVT Feb. 2020 1639-1650*

SINR Analysis of Different OFDM-Inspired Waveforms Over Doubly Dispersive Channels. *Wang, X.*, +, *TVT Sept. 2020 9459-9468*

Distance measurement

- An Orientation Navigation Approach Based on INS and Odometer Integration for Underground Unmanned Excavating Machine. *Han, S.*, +, *TVT Oct. 2020 10772-10786*
- Bundle Adjustment for Monocular Visual Odometry Based on Detections of Traffic Signs. *Zhang, Y.*, +, *TVT Jan. 2020 151-162*
- Extending Shadow Matching to Tightly-Coupled GNSS/INS Integration System. *Zhang, G.*, +, *TVT May 2020 4979-4991*
- Inter-Vehicle Distance Estimation Method Based on Monocular Vision Using 3D Detection. *Zhe, T.*, +, *TVT May 2020 4907-4919*
- Robust and Autonomous Stereo Visual-Inertial Navigation for Non-Holonomic Mobile Robots. *Chae, H.*, +, *TVT Sept. 2020 9613-9623*
- Spectral Coexistence of LDACS and DME: Analysis via Hardware Software Co-Design in Presence of Real Channels and RF Impairments. *Agrawal, N.*, +, *TVT Sept. 2020 9837-9848*

Distortion

- Adaptive Deep Learning Aided Digital Predistorter Considering Dynamic Envelope. *Sun, J.*, +, *TVT April 2020 4487-4491*
- Spatial Modulation for Terahertz Communication Systems With Hardware Impairments. *Mao, T.*, +, *TVT April 2020 4553-4557*

Distributed algorithms

- Mean-Field Game Theoretic Edge Caching in Ultra-Dense Networks. *Kim, H.*, +, *TVT Jan. 2020 935-947*

Distributed antenna systems

- Generalized Space Domain Index Modulation for mmWave Distributed Antenna Systems. *Luo, S.*, +, *TVT Nov. 2020 14067-14071*
- Multi-User Linear Precoding in Massively Distributed Polarized Antenna Systems Under Imperfect CSIT. *Park, J.*, +, *TVT May 2020 5268-5280*

Distributed control

- Distributed Control of Cooperative Vehicular Platoon With Nonideal Communication Condition. *Ma, F.*, +, *TVT Aug. 2020 8207-8220*
- Joint Frequency and Power Control for Self-Organizing OFDMA Femtocell Networks. *Sevim, O.*, +, *TVT May 2020 5089-5101*
- PARC: Placement Availability Resilient Controller Scheme for Software-Defined Datacenters. *Chaudhary, R.*, +, *TVT Aug. 2020 8985-9001*
- Wheel Modules With Distributed Controllers: A Multi-Agent Approach to Vehicular Control. *Tang, C.*, +, *TVT Oct. 2020 10879-10888*

Distributed databases

- A Bayesian Game Based Vehicle-to-Vehicle Electricity Trading Scheme for Blockchain-Enabled Internet of Vehicles. *Xia, S.*, +, *TVT July 2020 6856-6868*
- A Secure and Verifiable Data Sharing Scheme Based on Blockchain in Vehicular Social Networks. *Fan, K.*, +, *TVT June 2020 5826-5835*
- Blockchain Empowered Asynchronous Federated Learning for Secure Data Sharing in Internet of Vehicles. *Lu, Y.*, +, *TVT April 2020 4298-4311*
- LDV: A Lightweight DAG-Based Blockchain for Vehicular Social Networks. *Yang, W.*, +, *TVT June 2020 5749-5759*
- Secure SVM Training Over Vertically-Partitioned Datasets Using Consortium Blockchain for Vehicular Social Networks. *Shen, M.*, +, *TVT June 2020 5773-5783*
- Towards Airbnb-Like Privacy-Enhanced Private Parking Spot Sharing Based on Blockchain. *Wang, L.*, +, *TVT March 2020 2411-2423*

Distributed power generation

- An IoT and Edge Computing Based Framework for Charge Scheduling and EV Selection in V2G Systems. *Chamola, V.*, +, *TVT Oct. 2020 10569-10580*
- Coordinated Charging Control of Electric Vehicles While Improving Power Quality in Power Grids Using a Hierarchical Decision-Making Approach. *Zahedmanesh, A.*, +, *TVT Nov. 2020 12585-12596*
- Robust Operation of Shipboard Microgrids With Multiple-Battery Energy Storage System Under Navigation Uncertainties. *Fang, S.*, +, *TVT Oct. 2020 10531-10544*
- Toward Future Green Maritime Transportation: An Overview of Seaport Microgrids and All-Electric Ships. *Fang, S.*, +, *TVT Jan. 2020 207-219*

Distributed processing

- A Joint Service Migration and Mobility Optimization Approach for Vehicular Edge Computing. *Yuan, Q.*, +, *TVT Aug. 2020 9041-9052*

An IoT and Edge Computing Based Framework for Charge Scheduling and EV Selection in V2G Systems. *Chamola, V.*, +, *TVT Oct. 2020 10569-10580*

Blockchain Empowered Cooperative Authentication With Data Traceability in Vehicular Edge Computing. *Liu, H.*, +, *TVT April 2020 4221-4232*

Blockchain Meets Edge Computing: Stackelberg Game and Double Auction Based Task Offloading for Mobile Blockchain. *Guo, S.*, +, *TVT May 2020 5549-5561*

BlockEd: Blockchain-Based Secure Data Processing Framework in Edge Envisioned V2X Environment. *Aujla, G.S.*, +, *TVT June 2020 5850-5863*

Coalitional Games for Computation Offloading in NOMA-Enabled Multi-Access Edge Computing. *Pham, Q.*, +, *TVT Feb. 2020 1982-1993*

Computation-Efficient Offloading and Trajectory Scheduling for Multi-UAV Assisted Mobile Edge Computing. *Zhang, J.*, +, *TVT Feb. 2020 2114-2125*

Cooperative Edge Caching With Location-Based and Popular Contents for Vehicular Networks. *Chen, J.*, +, *TVT Sept. 2020 10291-10305*

Deep Reinforcement Learning and Permissioned Blockchain for Content Caching in Vehicular Edge Computing and Networks. *Dai, Y.*, +, *TVT April 2020 4312-4324*

Dynamic Network Slicing and Resource Allocation in Mobile Edge Computing Systems. *Feng, J.*, +, *TVT July 2020 7863-7878*

Edge Computing-Aided Framework of Fault Detection for Traction Control Systems in High-Speed Trains. *Chen, H.*, +, *TVT Feb. 2020 1309-1318*

FBIA: A Fog-Based Identity Authentication Scheme for Privacy Preservation in Internet of Vehicles. *Song, L.*, +, *TVT May 2020 5403-5415*

Joint Optimal Software Caching, Computation Offloading and Communications Resource Allocation for Mobile Edge Computing. *Wen, W.*, +, *TVT July 2020 7879-7894*

Latency Minimization for D2D-Enabled Partial Computation Offloading in Mobile Edge Computing. *Saleem, U.*, +, *TVT April 2020 4472-4486*

Lifetime Maximization in Mobile Edge Computing Networks. *Gupta, S.*, +, *TVT March 2020 3310-3321*

MDP-Based Task Offloading for Vehicular Edge Computing Under Certain and Uncertain Transition Probabilities. *Zhang, X.*, +, *TVT March 2020 3296-3309*

Mean-Field Game Theoretic Edge Caching in Ultra-Dense Networks. *Kim, H.*, +, *TVT Jan. 2020 935-947*

Modeling and Analysis of the Downlink Local Delay in MEC-Based VANETs. *Wu, Y.*, +, *TVT June 2020 6619-6630*

Modeling and Analysis of the Uplink Local Delay in MEC-Based VANETs. *Wu, Y.*, +, *TVT April 2020 3538-3549*

QoS Guaranteed Edge Cloud Resource Provisioning for Vehicle Fleets. *Tang, G.*, +, *TVT June 2020 5889-5900*

System-Centric Computation Energy Efficiency for Distributed NOMA-Based MEC Networks. *Ye, Y.*, +, *TVT Aug. 2020 8938-8948*

Distributed sensors

Distributed Deception Attack Detection in Platoon-Based Connected Vehicle Systems. *Ju, Z.*, +, *TVT May 2020 4609-4620*

Vehicle Detection and Classification Using Distributed Fiber Optic Acoustic Sensing. *Liu, H.*, +, *TVT Feb. 2020 1363-1374*

Distribution functions

Physical Layer Security Enhancement Using Artificial Noise in Cellular Vehicle-to-Everything (C-V2X) Networks. *Wang, C.*, +, *TVT Dec. 2020 15253-15268*

Diversity reception

A Joint Iterative Optimal Resource Allocation Algorithm for Non-Orthogonal Multi-User and Multi-Weight Opportunistic Beamforming Systems. *Sun, W.*, +, *TVT March 2020 2864-2877*

A Novel Downlink Interference Alignment Method for Multi-User MIMO System With No CSIT: A Space-Time Coding Approach. *Arti, M.K.*, *TVT Oct. 2020 10937-10948*

A Systematic Approach to Deriving the Covariance Matrix of Correlated Nakagami-*m*Fading Channels. *Lin, J.*, +, *TVT Feb. 2020 1612-1625*

Achievable Diversity Order of HARQ-Aided Downlink NOMA Systems. *Shi, Z.*, +, *TVT Jan. 2020 471-487*

Adaptive Multiuser Transmission Using Millimeter Wave Beam Alignment With User Selection. *Song, J.*, +, *TVT Aug. 2020 9140-9145*

- Adaptive Relay Selection Strategies for Cooperative NOMA Networks With User and Relay Cooperation. *Li, G.*, +, *TVT Oct. 2020 11728-11742*
- Analysis of Equal Gain Combining Over Fluctuating Two-Ray Channels With Applications to Millimeter-Wave Communications. *Hashemi, H.*, +, *TVT Feb. 2020 1751-1765*
- Analysis of MRC With η - μ Co-Channel Interference. *Srinivasan, M.*, +, *TVT Jan. 2020 738-745*
- Channel Capacity of Massive MIMO With Selected Multi-Stream Transmission in Spatially Correlated Fading Environments. *Karasawa, Y.*, *TVT May 2020 5320-5330*
- Cooperative Time Successive SSK- M -ary Modulation for Decode-and-Forward Relay Systems. *Maheswaran, P.*, +, *TVT Jan. 2020 537-551*
- Double Space-Time Line Codes. *Joung, J.*, +, *TVT Feb. 2020 2316-2321*
- Efficient Design of Selective Mapping and Partial Transmit Sequence Using T-OFDM. *Ahmed, M.S.*, +, *TVT March 2020 2636-2648*
- Energy and Social Cost Minimization for Data Dissemination in Wireless Networks: Centralized and Decentralized Approaches. *Mousavi, M.*, +, *TVT May 2020 5521-5534*
- Enhanced Diversity-Achieving Quadrature Spatial Modulation With Fast Decodability. *Wang, L.*, +, *TVT June 2020 6165-6177*
- Error Probability Analysis of NOMA-Based Diamond Relaying Network. *Kara, F.*, +, *TVT Feb. 2020 2280-2285*
- Fairness-Aware Intragroup Cooperative Transmission in Wireless Powered Communication Networks. *Mao, Z.*, +, *TVT June 2020 6463-6472*
- Incremental Decode-and-Forward Protocols for D2D Communication: A Diversity-Multiplexing-Tradeoff Perspective. *Yang, T.*, +, *TVT Nov. 2020 13927-13931*
- Low Complexity Iterative Rake Decision Feedback Equalizer for Zero-Padded OTFS Systems. *Thaj, T.*, +, *TVT Dec. 2020 15606-15622*
- Mobile Image Communications Using Deep Neural Networks for Heterogeneous User Devices in MIMO Channels. *Chang, S.*, +, *TVT June 2020 6359-6373*
- Multiuser Selection Criteria for MIMO-NOMA Systems With Different Detectors. *Yu, Q.*, +, *TVT Feb. 2020 1777-1791*
- Non-Coherent Massive MIMO-OFDM Down-Link Based on Differential Modulation. *Chen-Hu, K.*, +, *TVT Oct. 2020 11281-11294*
- Novel Outage-Aware NOMA Protocol for Secrecy Fairness Maximization Among Untrusted Users. *Thapar, S.*, +, *TVT Nov. 2020 13259-13272*
- On the Distribution of the Sum of Málaga- \mathcal{M} Random Variables and Applications. *Illi, E.*, +, *TVT Nov. 2020 13996-14000*
- Performance Analysis and Optimization of Bidirectional Overlay Cognitive Radio Networks With Hybrid-SWIPT. *Prathima, A.*, +, *TVT Nov. 2020 13467-13481*
- Performance Analysis of Coherent PLC With MPSK Signaling in Nakagami- m Noise Environment. *Dash, S.P.*, +, *TVT March 2020 3057-3067*
- Performance Analysis of Full-Duplex Massive MIMO Systems With Low-Resolution ADCs/DACs Over Rician Fading Channels. *Ding, Q.*, +, *TVT July 2020 7389-7403*
- Performance Analysis of Hybrid Satellite-Terrestrial Cooperative Networks With Relay Selection. *Guo, K.*, +, *TVT Aug. 2020 9053-9067*
- Performance Analysis of OSTBC-NOMA System in the Presence of Practical Impairments. *Toka, M.*, +, *TVT Sept. 2020 9697-9706*
- Physical Layer Security of QSTBC With Power Scaling in MIMO Wiretap Channels. *Chae, S.H.*, +, *TVT May 2020 5647-5651*
- Polar Codes for Fast Fading Channel: Design Based on Polar Spectrum. *Niu, K.*, +, *TVT Sept. 2020 10103-10114*
- Relay Outdatedness Under MRC Deployment. *Le, K.N.*, *TVT March 2020 2802-2811*
- Repetition-Based NOMA Transmission and Its Outage Probability Analysis. *Choi, J.*, *TVT June 2020 5913-5922*
- Secrecy Analysis of Ambient Backscatter NOMA Systems Under I/Q Imbalance. *Li, X.*, +, *TVT Oct. 2020 12286-12290*
- Secrecy Outage Analysis of Transmit Antenna Selection Assisted With Wireless Power Beacon. *Yan, P.*, +, *TVT July 2020 7473-7482*
- Secrecy Performance Analysis of UAV Assisted Relay Transmission for Cognitive Network With Energy Harvesting. *Ji, B.*, +, *TVT July 2020 7404-7415*
- Secrecy Performance of User and Antenna Selection With Channel Estimation Inaccuracy. *Lee, D.*, *TVT April 2020 4533-4536*
- Selection Combining Over Double α - μ Fading Channels. *Badarneh, O.S.*, +, *TVT March 2020 3444-3448*
- Smart Grid Network With D2D Communication and Coherent PLC: Error Analysis. *Dash, S.P.*, +, *TVT Jan. 2020 1051-1054*
- Sparse Space-Time-Frequency-Domain Spreading for Large-Scale Non-Orthogonal Multiple Access. *Liu, Y.*, +, *TVT Oct. 2020 12327-12332*
- Sum-Throughput Maximization Based on the Significance and Fairness of Sensors for Energy and Information Transfer in Virtual MIMO-WBAN. *Wang, T.*, +, *TVT Nov. 2020 13400-13409*
- System Outage Probability of PS-SWIPT Enabled Two-Way AF Relaying With Hardware Impairments. *Liu, Z.*, +, *TVT Nov. 2020 13532-13545*
- Theoretical Throughput Analysis for Massive Random Access With Spatial Successive Decoding. *Li, P.*, +, *TVT July 2020 7998-8002*
- Uplink NOMA Random Access Systems With Space-Time Line Code. *Seo, J.*, +, *TVT April 2020 4522-4526*
- Doppler effect**
- Downlink Sum-Rates of SC-FDP and OFDM Massive MIMO Systems in Doubly Dispersive Channels. *Mokhtari, Z.*, +, *TVT Aug. 2020 8065-8079*
- Experimental Study on the Impact of Antenna Characteristics on Non-Stationary V2I Channel Parameters in Tunnels. *Yusuf, M.*, +, *TVT Nov. 2020 12396-12407*
- Geometric Analysis of the Doppler Frequency for General Non-Stationary 3D Mobile-to-Mobile Channels Based on Prolate Spheroidal Coordinates. *Walter, M.*, +, *TVT Oct. 2020 10419-10434*
- GPS L1CA/BDS B1I Multipath Channel Measurements and Modeling for Dynamic Land Vehicle in Shanghai Dense Urban Area. *Chen, X.*, +, *TVT Dec. 2020 14247-14263*
- OTFS Based Random Access Preamble Transmission for High Mobility Scenarios. *Sinha, A.K.*, +, *TVT Dec. 2020 15078-15094*
- Resource Allocation for Cellular V2X Networks Mode-3 With Underlay Approach in LTE-V Standard. *Aslani, R.*, +, *TVT Aug. 2020 8601-8612*
- Doppler radar**
- Doppler Influence on Waveform Orthogonality in 79 GHz MIMO Phase-Coded Automotive Radar. *Overdevest, J.*, +, *TVT Jan. 2020 16-25*
- Dual-Use Signal Design for Radar and Communication via Ambiguity Function Sidelobe Control. *Yang, J.*, +, *TVT Sept. 2020 9781-9794*
- Doppler shift**
- A Fast Robust In-Motion Alignment Method for SINS With DVL Aided. *Xu, X.*, +, *TVT April 2020 3816-3827*
- A Simple Variational Bayes Detector for Orthogonal Time Frequency Space (OTFS) Modulation. *Yuan, W.*, +, *TVT July 2020 7976-7980*
- Algebraic Construction of Optimal Frequency Hopping Patterns Based on Welch Costas Arrays. *Yao, J.*, +, *TVT Feb. 2020 1841-1854*
- Broad Echo State Network for Channel Prediction in MIMO-OFDM Systems. *Sui, Y.*, +, *TVT Nov. 2020 13383-13399*
- Distributed Utility Optimization in Vehicular Communication Systems. *Diaz-Ibarra, M.A.*, +, *TVT Oct. 2020 11992-12003*
- Geometric Analysis of the Doppler Frequency for General Non-Stationary 3D Mobile-to-Mobile Channels Based on Prolate Spheroidal Coordinates. *Walter, M.*, +, *TVT Oct. 2020 10419-10434*
- Downlink**
- A Dual-Functional Massive MIMO OFDM Communication and Radar Transmitter Architecture. *Temiz, M.*, +, *TVT Dec. 2020 14974-14988*
- Downlink Transmit Power Control in Ultra-Dense UAV Network Based on Mean Field Game and Deep Reinforcement Learning. *Li, L.*, +, *TVT Dec. 2020 15594-15605*
- New NOMA-Based Two-Way Relay Networks. *Fang, Z.*, +, *TVT Dec. 2020 15314-15324*
- Outage Performance of CDF-Based Scheduling in Downlink and Uplink NOMA Systems. *Lu, H.*, +, *TVT Dec. 2020 14945-14959*
- Spectral Efficiency of Dynamic Licensed Shared Access. *Onidare, S.O.*, +, *TVT Dec. 2020 15149-15161*
- Drag**
- Capturing the Impact of Speed, Grade, and Traffic on Class 8 Truck Platooning. *Taylor, A.H.*, +, *TVT Oct. 2020 10506-10518*

Driver information systems

- A Low-Latency Object Detection Algorithm for the Edge Devices of IoV Systems. *Dai, C., +, TVT Oct. 2020 11169-11178*
- Conditional Weighted Ensemble of Transferred Models for Camera Based Onboard Pedestrian Detection in Railway Driver Support Systems. *Toprak, T., +, TVT May 2020 5041-5054*
- Deep Learning-Based Driving Maneuver Prediction System. *Ou, C., +, TVT Feb. 2020 1328-1340*
- Enhancing Misbehavior Detection in 5G Vehicle-to-Vehicle Communications. *Nguyen, V., +, TVT Sept. 2020 9417-9430*
- Extracting Human-Like Driving Behaviors From Expert Driver Data Using Deep Learning. *Sama, K., +, TVT Sept. 2020 9315-9329*
- FPGA Implementation of Real-Time Pedestrian Detection Using Normalization-Based Validation of Adaptive Features Clustering. *Li, T., +, TVT Sept. 2020 9330-9341*
- Inter-Vehicle Distance Estimation Method Based on Monocular Vision Using 3D Detection. *Zhe, T., +, TVT May 2020 4907-4919*
- Low-Cost Reconstruction of Typical Driving Cycles Based on Empirical Information and Low-Frequency Speed Data. *Shi, S., +, TVT Aug. 2020 8221-8231*
- Personalized Adaptive Cruise Control Based on Online Driving Style Recognition Technology and Model Predictive Control. *Gao, B., +, TVT Nov. 2020 12482-12496*
- Real-Time Single-Stage Vehicle Detector Optimized by Multi-Stage Image-Based Online Hard Example Mining. *Lin, C., +, TVT Feb. 2020 1505-1518*
- Robust Observer Based Intermittent Forces Estimation for Driver Intervention Identification. *Huang, C., +, TVT April 2020 3628-3640*
- Unsupervised Drowsy Driving Detection With RFID. *Yang, C., +, TVT Aug. 2020 8151-8163*

Drones

- A Novel Drone's Height Control Algorithm for Throughput Optimization in Disaster Resilient Network. *Ishigami, M., +, TVT Dec. 2020 16188-16190*
- Achieving Robust and Efficient Consensus for Large-Scale Drone Swarm. *Chen, W., +, TVT Dec. 2020 15867-15879*
- An FSO-Based Drone Charging System for Emergency Communications. *Wu, D., +, TVT Dec. 2020 16155-16162*
- Experimentally Analyzing Diverse Antenna Placements and Orientations for UAV Communications. *Badi, M., +, TVT Dec. 2020 14989-15004*
- Least-Energy Path Planning With Building Accurate Power Consumption Model of Rotary Unmanned Aerial Vehicle. *Hong, D., +, TVT Dec. 2020 14803-14817*

Durability

- Cost Minimization Strategy for Fuel Cell Hybrid Electric Vehicles Considering Power Sources Degradation. *Li, H., +, TVT Nov. 2020 12832-12842*

Dynamic programming

- Age of Information Aware Trajectory Planning of UAVs in Intelligent Transportation Systems: A Deep Learning Approach. *Samir, M., +, TVT Nov. 2020 12382-12395*
- An ANFIS-Based ECMS for Energy Optimization of Parallel Hybrid Electric Bus. *Tian, X., +, TVT Feb. 2020 1473-1483*
- Coarse Trajectory Design for Energy Minimization in UAV-Enabled. *Tran, D., +, TVT Sept. 2020 9483-9496*
- Delay-Oriented Caching Strategies in D2D Mobile Networks. *Sun, R., +, TVT Aug. 2020 8529-8541*
- Designing Multi-Mode Power Split Hybrid Electric Vehicles Using the Hierarchical Topological Graph Theory. *Pei, H., +, TVT July 2020 7159-7171*
- Mixed-Integer Optimal Design and Energy Management of Hybrid Electric Vehicles With Automated Manual Transmissions. *Yu, H., +, TVT Nov. 2020 12705-12715*
- Optimal Path Planning and Speed Control Integration Strategy for UGVs in Static and Dynamic Environments. *Ren, H., +, TVT Oct. 2020 10619-10629*
- Power Allocation Based on Reinforcement Learning for MIMO System With Energy Harvesting. *Mu, X., +, TVT July 2020 7622-7633*
- Reducing Offloading Latency for Digital Twin Edge Networks in 6G. *Sun, W., +, TVT Oct. 2020 12240-12251*

- Research on Equivalent Factor Boundary of Equivalent Consumption Minimization Strategy for PHEVs. *Li, J., +, TVT June 2020 6011-6024*
- Ride Comfort Optimization via Speed Planning and Preview Semi-Active Suspension Control for Autonomous Vehicles on Uneven Roads. *Wu, J., +, TVT Aug. 2020 8343-8355*
- Route Planning and Power Management for PHEVs With Reinforcement Learning. *Zhang, Q., +, TVT May 2020 4751-4762*

Dynamic response

- Modelling and Vibration Analysis of a Parallel Hydraulic Hybrid Vehicle. *Zhou, S., +, TVT Oct. 2020 10710-10723*

Dynamic scheduling

- Joint Relay Assignment and Channel Allocation for Opportunistic UAVs-Aided Dynamic Networks: A Mood-Driven Approach. *Zhong, X., +, TVT Dec. 2020 15019-15034*
- Priority-Aware Task Offloading in Vehicular Fog Computing Based on Deep Reinforcement Learning. *Shi, J., +, TVT Dec. 2020 16067-16081*
- Strategy-Proof Spectrum Allocation Among Multiple Operators in Wireless Networks. *Yadav, I., +, TVT Dec. 2020 15964-15977*

Dynamometers

- Design and Testing of Low Pole Dual-Stator Flux-Switching Permanent Magnet Machine for Electric Vehicle Applications. *Liu, M., +, TVT Feb. 2020 1464-1472*

E**Earth**

- Spatial Resource Management in LEO Satellite. *Ivanov, A., +, TVT Dec. 2020 15623-15632*

Eavesdropping

- UAV-Enabled Secure Communication With Finite Blocklength. *Wang, Y., +, TVT Dec. 2020 16309-16313*

Echo

- Enhancing the Orthogonality of Polyphase Signal With Multi-Pulse Joint Processing. *Bai, J., +, TVT Sept. 2020 9656-9666*
- Interference Characterization and Power Optimization for Automotive Radar With Directional Antenna. *Chu, P., +, TVT April 2020 3703-3716*

Economics

- Incentive Mechanism for Cooperative Localization in Wireless Networks. *Zhu, Y., +, TVT Dec. 2020 15920-15932*

Eddy current braking

- A Timesaving Transient Magneto-Thermal Coupling Model for the Eddy Current Brake. *Tian, J., +, TVT Oct. 2020 10832-10841*

Eddy current losses

- Design and Testing of Low Pole Dual-Stator Flux-Switching Permanent Magnet Machine for Electric Vehicle Applications. *Liu, M., +, TVT Feb. 2020 1464-1472*

Edge computing

- A Game Theoretic Scheme for Collaborative Vehicular Task Offloading in 5G HetNets. *Hui, Y., +, TVT Dec. 2020 16044-16056*
- Resource Allocation for Edge Computing-Based Vehicle Platoon on Free-way: A Contract-Optimization Approach. *Yang, C., +, TVT Dec. 2020 15988-16000*

Eigenvalues and eigenfunctions

- Accelerating Parallel Jacobi Method for Matrix Eigenvalue Computation in DOA Estimation Algorithm. *Shi, Z., +, TVT June 2020 6275-6285*
- Channel Capacity of Massive MIMO With Selected Multi-Stream Transmission in Spatially Correlated Fading Environments. *Karasawa, Y., TVT May 2020 5320-5330*
- Design of Anti-Jamming Waveforms for Time-Hopping Spread Spectrum Systems in Tone Jamming Environments. *Jung, H., +, TVT Jan. 2020 728-737*
- Hybrid Massive MIMO for Urban V2I: Sub-6 GHz vs mmWave Performance Assessment. *Pfadler, A., +, TVT May 2020 4652-4662*
- MIMO Radar Transmit-Receive Design for Moving Target Detection in Signal-Dependent Clutter. *Yu, X., +, TVT Jan. 2020 522-536*
- Outage Probabilities of Cache and SIC Enabled Downlink MIMO NOMA Cellular Networks With Randomly Distributed Users. *Zheng, J., +, TVT Nov. 2020 13942-13946*

Performance Analysis of OFDM With Peak Cancellation Under EVM and ACLR Restrictions. *Kageyama, T.*, +, *TVT June 2020 6230-6241*

Physical Layer Multicasting in Massive MIMO Systems With Statistical CSIT. *Li, K.*, +, *TVT Feb. 2020 1651-1665*

Unsupervised Deep Spectrum Sensing: A Variational Auto-Encoder Based Approach. *Xie, J.*, +, *TVT May 2020 5307-5319*

Elastic waves

Effective Measures to Improve Current Collection Quality for Double Pantographs and Catenary Based on Wave Propagation Analysis. *Xu, Z.*, +, *TVT June 2020 6299-6309*

Electric current control

A Single-Phase On-Board Two-Stage Integrated Battery Charger for EVs Based on a Five-Phase Hybrid-Excitation Flux-Switching Machine. *Tong, M.*, +, *TVT April 2020 3793-3804*

A Switched Reluctance Motor Torque Ripple Reduction Strategy With Deadbeat Current Control and Active Thermal Management. *Zhang, X.*, +, *TVT Jan. 2020 317-327*

A Variational Approach to MTPA Control of Induction Motor for EVs Range Optimization. *Attaianese, C.*, +, *TVT July 2020 7014-7025*

Development of an Electric Vehicle Synchronous Reluctance Motor Drive. *Kumar, G.V.*, +, *TVT May 2020 5012-5024*

Sinusoidal-Ripple Current Control in Battery Charger of Electric Vehicles. *Bayati, M.*, +, *TVT July 2020 7201-7210*

Suppression Method of Current Harmonic for Three-Phase PWM Rectifier in EV Charging System. *Song, T.*, +, *TVT Sept. 2020 9634-9642*

Electric impedance

Development of an Equivalent Circuit for Batteries Based on a Distributed Impedance Network. *Khayamy, M.*, +, *TVT June 2020 6119-6128*

Planning of the DC System Considering Restrictions on the Small-Signal Stability of EV Charging Stations and Comparison Between Series and Parallel Connections. *Fu, Q.*, +, *TVT Oct. 2020 10724-10735*

Electric motors

Coordinate Receding Horizon Control for the Power-Shift Process of Multi-speed Electric Vehicles. *Liu, Q.*, +, *TVT Jan. 2020 1055-1059*

Electric potential

Consequent Pole Permanent Magnet Machine With Modular Stator. *Wang, K.*, +, *TVT July 2020 7054-7063*

Mechanism Investigation of Ring Type Winding in Linear Permanent Magnet Vernier Machine for Improving Force Density. *Bian, F.*, +, *TVT March 2020 2588-2597*

Speed Sensorless Control of SPMSM Drives for EVs With a Binary Search Algorithm-Based Phase-Locked Loop. *Sun, X.*, +, *TVT May 2020 4968-4978*

Torque Improvement in Dual *M*-Phase Permanent-Magnet Machines by Phase Shift for Electric Ship Applications. *Sun, Y.*, +, *TVT Sept. 2020 9601-9612*

Electric propulsion

A Comprehensive Analysis for High-Power Density, High-Efficiency 60 kW Interleaved Boost Converter Design for Electrified Powertrains. *Guo, J.*, +, *TVT July 2020 7131-7145*

A Reconfigurable On-Board Power Converter for Electric Vehicle With Reduced Switch Count. *Meher, S.R.*, +, *TVT April 2020 3760-3772*

Aging-Aware Optimal Energy Management Control for a Parallel Hybrid Vehicle Based on Electrochemical-Degradation Dynamics. *De Pascali, L.*, +, *TVT Oct. 2020 10868-10878*

Making the Case for Switched Reluctance Motors for Propulsion Applications. *Bilgin, B.*, +, *TVT July 2020 7172-7186*

Mitigating the Torque Ripple in Electric Traction Using Proportional Integral Resonant Controller. *Chuan, H.*, +, *TVT Oct. 2020 10820-10831*

Electric sensing devices

Torque Ripple Minimization for Inter-Turn Short-Circuit Fault Based on Open-Winding Five Phase FTFSCW-IPM Motor for Electric Vehicle Application. *Fan, Y.*, +, *TVT Jan. 2020 282-292*

Electric vehicle charging

A Privacy-Preserving Secure Framework for Electric Vehicles in IoT Using Matching Market and Signcryption. *Kumar, G.*, +, *TVT July 2020 7707-7722*

Can Charging Infrastructure Used Only by Electric Taxis Be Profitable? A Case Study From Karlsruhe, Germany. *Funke, S.A.*, +, *TVT June 2020 5933-5944*

Demand-Aware Provisioning of Electric Vehicles Fast Charging Infrastructure. *Kabir, M.E.*, +, *TVT July 2020 6952-6963*

Driving Range of Electric Vehicles Charged by Wireless Power Transfer. *Machura, P.*, +, *TVT June 2020 5968-5982*

Interleaved Isolated Single-Phase PFC Converter Module for Three-Phase EV Charger. *Choi, S.*, +, *TVT May 2020 4957-4967*

Joint Route Selection and Charging Discharging Scheduling of EVs in V2G Energy Network. *Liu, P.*, +, *TVT Oct. 2020 10630-10641*

Optimal Allocation of Inverter-Based WTGS Complying With Their DSTATCOM Functionality and PEV Requirements. *Ali, A.*, +, *TVT May 2020 4763-4772*

Planning of the DC System Considering Restrictions on the Small-Signal Stability of EV Charging Stations and Comparison Between Series and Parallel Connections. *Fu, Q.*, +, *TVT Oct. 2020 10724-10735*

Reduced-Order Modeling and Design of Single-Stage LCL Compensated IPT System for Low Voltage Vehicle Charging Applications. *Feng, H.*, +, *TVT April 2020 3728-3739*

Reducing Road Wear While Ensuring Comfort and Charging Constraints for Dynamically Charged Passenger Vehicles Through Noise-Shaped Path Variations. *Ferrin, C.*, +, *TVT May 2020 4803-4816*

Sinusoidal-Ripple Current Control in Battery Charger of Electric Vehicles. *Bayati, M.*, +, *TVT July 2020 7201-7210*

Suppression Method of Current Harmonic for Three-Phase PWM Rectifier in EV Charging System. *Song, T.*, +, *TVT Sept. 2020 9634-9642*

The Fabric ICT Platform for Managing Wireless Dynamic Charging Road Lanes. *Cirimele, V.*, +, *TVT March 2020 2501-2512*

Towards Efficient Battery Swapping Service Operation Under Battery Heterogeneity. *Zhang, X.*, +, *TVT June 2020 6107-6118*

Wired/Wireless Hybrid Charging System for Electrical Vehicles With Minimum Rated Power Requirement for DC Module. *Deng, Q.*, +, *TVT Oct. 2020 10889-10898*

Electric vehicles

A Bayesian Game Based Vehicle-to-Vehicle Electricity Trading Scheme for Blockchain-Enabled Internet of Vehicles. *Xia, S.*, +, *TVT July 2020 6856-6868*

A Mechatronic Brake Booster for Electric Vehicles: Design, Control, and Experiment. *Wu, J.*, +, *TVT July 2020 7040-7053*

A New Hybrid Structure of a Bidirectional DC-DC Converter With High Conversion Ratios for Electric Vehicles. *Elsayad, N.*, +, *TVT Jan. 2020 194-206*

A New Parallel-Hybrid-Excited Permanent-Magnet Machine With Harmonic-Differential Effect for Electric Vehicles. *Cao, L.*, +, *TVT Nov. 2020 12734-12750*

A Real-Time Nonlinear Model Predictive Controller for Yaw Motion Optimization of Distributed Drive Electric Vehicles. *Guo, N.*, +, *TVT May 2020 4935-4946*

A Reconfigurable On-Board Power Converter for Electric Vehicle With Reduced Switch Count. *Meher, S.R.*, +, *TVT April 2020 3760-3772*

A Robust Traction Control Platform for AWD Vehicles With AWD TMU and eLSD. *Guo, Q.*, *TVT Aug. 2020 8395-8406*

A Variational Approach to MTPA Control of Induction Motor for EVs Range Optimization. *Attaianese, C.*, +, *TVT July 2020 7014-7025*

An Energy-Saving Torque Vectoring Control Strategy for Electric Vehicles Considering Handling Stability Under Extreme Conditions. *Hu, X.*, +, *TVT Oct. 2020 10787-10796*

Autonomous PEV Charging Scheduling Using Dyna-Q Reinforcement Learning. *Wang, F.*, +, *TVT Nov. 2020 12609-12620*

Cloudlet-Based Intelligent Auctioning Agents for Truthful Autonomous Electric Vehicles Energy Crowdsourcing. *Yassine, A.*, +, *TVT May 2020 5457-5466*

Coordinate Receding Horizon Control for the Power-Shift Process of Multi-speed Electric Vehicles. *Liu, Q.*, +, *TVT Jan. 2020 1055-1059*

- Design and Testing of Low Pole Dual-Stator Flux-Switching Permanent Magnet Machine for Electric Vehicle Applications. *Liu, M.*, +, *TVT Feb. 2020 1464-1472*
- Design of an External-Rotor Direct Drive E-Bike Switched Reluctance Motor. *Howey, B.*, +, *TVT March 2020 2552-2562*
- Design of Axial Flux Induction Motor With Reduced Back Iron for Electric Vehicles. *Mei, J.*, +, *TVT Jan. 2020 293-301*
- Development of an Electric Vehicle Synchronous Reluctance Motor Drive. *Kumar, G.V.*, +, *TVT May 2020 5012-5024*
- Energy-Efficient Speed Control of Electric Vehicles: Linear Matrix Inequality Approach. *Veysi, M.*, +, *TVT Oct. 2020 10469-10483*
- Evaluating Model Predictive Path Following and Yaw Stability Controllers for Over-Actuated Autonomous Electric Vehicles. *Zhang, W.*, +, *TVT Nov. 2020 12807-12821*
- Longitudinal Vehicle Speed Estimation for Four-Wheel-Independently-Actuated Electric Vehicles Based on Multi-Sensor Fusion. *Ding, X.*, +, *TVT Nov. 2020 12797-12806*
- Mechanical Design and Analysis of a High-Torque Modular Hybrid Excitation Synchronous Machine for Electric Vehicle Propulsion Applications. *Wang, C.*, +, *TVT Sept. 2020 9624-9633*
- Mitigating the Torque Ripple in Electric Traction Using Proportional Integral Resonant Controller. *Chuan, H.*, +, *TVT Oct. 2020 10820-10831*
- Modeling and Optimizing Method for Axial Flux Induction Motor of Electric Vehicles. *Mei, J.*, +, *TVT Nov. 2020 12822-12831*
- Optimal Anti-Lock Braking Control With Nonlinear Variable Voltage Charging Scheme for an Electric Vehicle. *Wang, J.*, +, *TVT July 2020 7211-7222*
- Optimal Coordinated Control of ARS and DYC for Four-Wheel Steer and In-Wheel Motor Driven Electric Vehicle With Unknown Tire Model. *Wang, Q.*, +, *TVT Oct. 2020 10809-10819*
- Outage of Cognitive Electric Vehicle Networks Over Mixed RF/VLC Channels With Signal-Dependent Noise and Imperfect CSI. *Naurzybayev, G.*, +, *TVT June 2020 6828-6832*
- Path Tracking and Direct Yaw Moment Coordinated Control Based on Robust MPC With the Finite Time Horizon for Autonomous Independent-Drive Vehicles. *Peng, H.*, +, *TVT June 2020 6053-6066*
- Privacy-Preserving Authentication Scheme for Connected Electric Vehicles Using Blockchain and Zero Knowledge Proofs. *Gabay, D.*, +, *TVT June 2020 5760-5772*
- Review of Cabin Thermal Management for Electrified Passenger Vehicles. *Lajunen, A.*, +, *TVT June 2020 6025-6040*
- Sizing of a Battery Pack Based on Series/Parallel Configurations for a High-Power Electric Vehicle as a Constrained Optimization Problem. *Pelletier, L.*, +, *TVT Dec. 2020 14150-14159*
- Strategic Behavior of In-Motion Wireless Charging Aggregators in the Electricity and Transportation Networks. *Manshadi, S.D.*, +, *TVT Dec. 2020 14780-14792*
- Torque Ripple Minimization for Inter-Turn Short-Circuit Fault Based on Open-Winding Five Phase FTFSCW-IPM Motor for Electric Vehicle Application. *Fan, Y.*, +, *TVT Jan. 2020 282-292*
- Torque Vectoring Algorithm of Electronic-Four-Wheel Drive Vehicles for Enhancement of Cornering Performance. *Park, G.*, +, *TVT April 2020 3668-3679*
- Electrical contacts**
- Assessment of the High-Frequency Response in Railway Pantograph-Catenary Interaction Based on Numerical Simulation. *Song, Y.*, +, *TVT Oct. 2020 10596-10605*
- Electricity supply industry**
- Strategic Behavior of In-Motion Wireless Charging Aggregators in the Electricity and Transportation Networks. *Manshadi, S.D.*, +, *TVT Dec. 2020 14780-14792*
- Electro-optical devices**
- Adaptive Switching Spatial-Temporal Fusion Detection for Remote Flying Drones. *Xie, J.*, +, *TVT July 2020 6964-6976*
- Electrochemical electrodes**
- On-Board State Estimation in Electrical Vehicles: Achieving Accuracy and Computational Efficiency Through an Electrochemical Model. *Verma, M.K.S.*, +, *TVT March 2020 2563-2575*
- Electrochemical impedance spectroscopy**
- Sinusoidal-Ripple Current Control in Battery Charger of Electric Vehicles. *Bayati, M.*, +, *TVT July 2020 7201-7210*
- Electrohydraulic control equipment**
- Adaptive Feed-Forward Control of the Clutch Filling Phase for Wet Dual Clutch Transmission. *Jung, S.*, +, *TVT Sept. 2020 9577-9588*
- Electromagnetic actuators**
- Energy-Efficient Eco-Friendly Zero-Holding-Energy Magnetic Contactor for Industrial and Vehicular Applications. *Gabdullin, N.*, +, *TVT May 2020 5000-5011*
- Electromagnetic coupling**
- Compact Quad-Element Vertically-Polarized High-Isolation Wideband MIMO Antenna for Vehicular Base Station. *Wang, W.*, +, *TVT Sept. 2020 10000-10008*
- Electromagnetic fields**
- A Timesaving Transient Magneto-Thermal Coupling Model for the Eddy Current Brake. *Tian, J.*, +, *TVT Oct. 2020 10832-10841*
- Electromagnetic induction**
- Antenna Optimization for Decode-and-Forward Relay in Magnetic Induction Communications. *Ma, H.*, +, *TVT March 2020 3449-3453*
- Electromagnetic interference**
- A High Voltage Gain DC-DC Converter With Common Grounding for Fuel Cell Vehicle. *Kumar, A.*, +, *TVT Aug. 2020 8290-8304*
- Effect of Impulsive Noise on Uplink NOMA Systems. *Selim, B.*, +, *TVT March 2020 3454-3458*
- Electromagnetic scattering**
- Analyzing the Impact of Molecular Re-Radiation on the MIMO Capacity in High-Frequency Bands. *Hoseini, S.A.*, +, *TVT Dec. 2020 15458-15471*
- Electromagnetic wave attenuation**
- Adaptive Sum of Markov Chains for Modelling 3D Blockage in mmWave V2I Communications. *Alsaleem, F.N.*, +, *TVT Sept. 2020 9431-9444*
- Hybrid Beamforming With Variable RF Attenuator for Multi-User mmWave Systems. *Lee, J.*, +, *TVT Aug. 2020 9131-9134*
- The Comparative Study of S-V Model Between 3.5 and 28 GHz in Indoor and Outdoor Scenarios. *Jiang, T.*, +, *TVT March 2020 2351-2364*
- Electromagnetic wave diffraction**
- Propagation Measurements and Modeling for Low Altitude UAVs From 1 to 24 GHz. *Briso, C.*, +, *TVT March 2020 3439-3443*
- Electromagnetic wave polarization**
- A Reconfigurable Dual-Band Dual-Circularly Polarized Antenna for Vehicle Global Navigation Satellite System Application. *Xu, R.*, +, *TVT Oct. 2020 11857-11867*
- A Tri-Polarized Antenna With Diverse Radiation Characteristics for 5G and V2X Communications. *Feng, B.*, +, *TVT Sept. 2020 10115-10126*
- Beamformer Design for Physical Layer Security in Dual-Polarized Millimeter Wave Channels. *Song, J.*, +, *TVT Oct. 2020 12306-12311*
- Compact Quad-Element Vertically-Polarized High-Isolation Wideband MIMO Antenna for Vehicular Base Station. *Wang, W.*, +, *TVT Sept. 2020 10000-10008*
- Dual-Band Dual-CP All-Metal Antenna With Large Signal Coverage and High Isolation Over Two Bands for Vehicular Communications. *Wang, S.*, +, *TVT Jan. 2020 1131-1135*
- Experimental Study on the Impact of Antenna Characteristics on Non-Stationary V2I Channel Parameters in Tunnels. *Yusuf, M.*, +, *TVT Nov. 2020 12396-12407*
- Handset Frame Blockage Reduction of 5G mm-Wave Phased Arrays Using Hard Surface Inspired Structure. *Rodriguez-Cano, R.*, +, *TVT Aug. 2020 8132-8139*
- Polarization and Frequency-Selective Surface for Vehicular Beamforming Communications Requiring Near-Zero Profile. *Youn, Y.*, +, *TVT Feb. 2020 1719-1726*
- Single-Layer Wideband End-Fire Dual-Polarized Antenna Array for Device-to-Device Communication in 5G Wireless Systems. *Li, A.*, +, *TVT May 2020 5142-5150*
- UWB System for Indoor Positioning and Tracking With Arbitrary Target Orientation, Optimal Anchor Location, and Adaptive NLOS Mitigation. *Chen, Y.*, +, *TVT Sept. 2020 9304-9314*

- Wideband Dual Circularly Polarized Antenna for Intelligent Transport Systems. *Wen, L., +, TVT May 2020 5193-5202*
- Electromagnetic wave propagation**
- Efficient Design of Selective Mapping and Partial Transmit Sequence Using T-OFDM. *Ahmed, M.S., +, TVT March 2020 2636-2648*
- UWB System for Indoor Positioning and Tracking With Arbitrary Target Orientation, Optimal Anchor Location, and Adaptive NLOS Mitigation. *Chen, Y., +, TVT Sept. 2020 9304-9314*
- Electromagnetic wave reflection**
- Compact Quad-Element Vertically-Polarized High-Isolation Wideband MIMO Antenna for Vehicular Base Station. *Wang, W., +, TVT Sept. 2020 10000-10008*
- Propagation Measurements and Modeling for Low Altitude UAVs From 1 to 24 GHz. *Briso, C., +, TVT March 2020 3439-3443*
- Electromagnetic wave scattering**
- Angular-Domain Channel Estimation for One-Bit Massive MIMO Systems: Performance Bounds and Algorithms. *Liu, F., +, TVT March 2020 2928-2942*
- Experimental Study on the Impact of Antenna Characteristics on Non-Stationary V2I Channel Parameters in Tunnels. *Yusuf, M., +, TVT Nov. 2020 12396-12407*
- Geometric Analysis of the Doppler Frequency for General Non-Stationary 3D Mobile-to-Mobile Channels Based on Prolate Spheroidal Coordinates. *Walter, M., +, TVT Oct. 2020 10419-10434*
- New Results on the Second Order Scattering Fading Model: Amount of Fading and Energy Detection. *Lopez-Fernandez, J., +, TVT Jan. 2020 1037-1040*
- Electromagnetic waves**
- Crowd Estimation Using Electromagnetic Wave Power-Level Measurements: A Proof of Concept. *Tofigh, F., +, TVT Jan. 2020 784-792*
- Electromagnetics**
- Short-Frame Fountain Code for Plasma Sheath With "Communication Windows". *Zhang, H., +, TVT Dec. 2020 15569-15579*
- Electronic countermeasures**
- Attractive Ellipsoid Sliding Mode Observer Design for State of Charge Estimation of Lithium-Ion Cells. *Nath, A., +, TVT Dec. 2020 14701-14712*
- Predictive Equivalent Consumption Minimization Strategy With Segmented Traffic Information. *Chen, D., +, TVT Dec. 2020 14377-14390*
- Electronic engineering computing**
- Adaptive Deep Learning Aided Digital Predistorter Considering Dynamic Envelope. *Sun, J., +, TVT April 2020 4487-4491*
- Electronic messaging**
- SEDAN: Security-Aware Design of Time-Critical Automotive Networks. *Kukkala, V.K., +, TVT Aug. 2020 9017-9030*
- Electronic money**
- BSFP: Blockchain-Enabled Smart Parking With Fairness, Reliability and Privacy Protection. *Zhang, C., +, TVT June 2020 6578-6591*
- Ellipsoids**
- Attractive Ellipsoid Sliding Mode Observer Design for State of Charge Estimation of Lithium-Ion Cells. *Nath, A., +, TVT Dec. 2020 14701-14712*
- Elliptic curve cryptography**
- A Lightweight Authentication and Attestation Scheme for In-Transit Vehicles in IoV Scenario. *Alladi, T., +, TVT Dec. 2020 14188-14197*
- Elliptic curves**
- A Lightweight Authentication and Attestation Scheme for In-Transit Vehicles in IoV Scenario. *Alladi, T., +, TVT Dec. 2020 14188-14197*
- Embedded systems**
- Ensuring Safety and Security in CAN-Based Automotive Embedded Systems: A Combination of Design Optimization and Secure Communication. *Mun, H., +, TVT July 2020 7078-7091*
- Emergency management**
- Parking-Area-Assisted Spider-Web Routing Protocol for Emergency Data in Urban VANET. *Liu, H., +, TVT Jan. 2020 971-982*
- Emergency services**
- Learn to Coloring: Fast Response to Perturbation in UAV-Assisted Disaster Relief Networks. *Wang, B., +, TVT March 2020 3505-3509*
- Encoding**
- A Learning-Based Approach to Intra-Domain QoS Routing. *Yao, H., +, TVT June 2020 6718-6730*
- Backscatter Communication via Harvest-Then-Transmit Relaying. *Li, D., TVT June 2020 6843-6847*
- Codeword Position Index Modulation Design for Sparse Code Multiple Access System. *Lai, K., +, TVT Nov. 2020 13273-13288*
- Cooperative Edge Caching With Location-Based and Popular Contents for Vehicular Networks. *Chen, J., +, TVT Sept. 2020 10291-10305*
- DAVT: An Error-Bounded Vehicle Trajectory Data Representation and Compression Framework. *Chen, C., +, TVT Oct. 2020 10606-10618*
- Finite-Alphabet Signature Design for Grant-Free NOMA: A Quantized Deep Learning Approach. *Yu, H., +, TVT Oct. 2020 10975-10987*
- Network Coding Assisted Secure Transmission in Full-Duplex Relay Networks. *He, H., +, TVT Aug. 2020 9196-9200*
- Pilot-Less One-Shot Sparse Coding for Short Packet-Based Machine-Type Communications. *Wu, J., +, TVT Aug. 2020 9117-9120*
- Reinforcement Learning Based Cooperative Coded Caching Under Dynamic Popularities in Ultra-Dense Networks. *Gao, S., +, TVT May 2020 5442-5456*
- Short-Frame Fountain Code for Plasma Sheath With "Communication Windows". *Zhang, H., +, TVT Dec. 2020 15569-15579*
- Sparse-Encoded Codebook Index Modulation. *Arslan, E., +, TVT Aug. 2020 9126-9130*
- Encryption**
- Accurate Image-Based Pedestrian Detection With Privacy Preservation. *Yang, H., +, TVT Dec. 2020 14494-14509*
- An Identity-Based and Revocable Data-Sharing Scheme in VANETs. *Hornig, S., +, TVT Dec. 2020 15933-15946*
- Certificateless and Lightweight Authentication Scheme for Vehicular Communication Networks. *Hathal, W., +, TVT Dec. 2020 16110-16125*
- End effectors**
- Adaptive Washout Filter Based on Fuzzy Logic for a Motion Simulation Platform With Consideration of Joints' Limitations. *Chalak Qazani, M.R., +, TVT Nov. 2020 12547-12558*
- Energy conservation**
- A Fully Distributed and Clustered Learning of Power Control in User-Centric Ultra-Dense HetNets. *Makhanbet, M., +, TVT Oct. 2020 11529-11543*
- A Robust Traction Control Platform for AWD Vehicles With AWD TMU and eLSD. *Guo, Q., TVT Aug. 2020 8395-8406*
- A Trade-Off Between Energy Efficiency and Spectral Efficiency in Macro-Femtocell Networks. *Ghosh, J., TVT Oct. 2020 10914-10924*
- Adaptive Bitrate Video Streaming in Non-Orthogonal Multiple Access Networks. *Zhang, J., +, TVT April 2020 3980-3993*
- An Adaptive State Machine Based Energy Management Strategy for a Multi-Stack Fuel Cell Hybrid Electric Vehicle. *Macias Fernandez, A., +, TVT Jan. 2020 220-234*
- An Energy-Efficient Resource Allocation Scheme for SWIPT-NOMA Based Femtocells Users With Imperfect CSI. *Budhiraja, I., +, TVT July 2020 7790-7805*
- Antenna Selection for Improving Energy Efficiency in XL-MIMO Systems. *Marinello, J.C., +, TVT Nov. 2020 13305-13318*
- Content-Centric Heterogeneous Fog Networks Relying on Energy Efficiency Optimization. *Wang, K., +, TVT Nov. 2020 13579-13592*
- Design and Modeling of Energy Efficient Dual Clutch Transmission With Ball-Ramp Self-Energizing Mechanism. *Kim, D., +, TVT March 2020 2525-2536*
- Electromagnetic Radiation Reduction in 5G Networks and Beyond Using Thermal Radiation Mode. *Kour, H., +, TVT Oct. 2020 11841-11856*
- Energy Efficiency for RF-Powered Backscatter Networks Using HTT Protocol. *Shi, L., +, TVT Nov. 2020 13932-13936*
- Energy Efficiency Maximization for Full-Duplex UAV Secrecy Communication. *Duo, B., +, TVT April 2020 4590-4595*
- Energy Efficient Adaptive Video Streaming With Rotary-Wing UAV. *Zhan, C., +, TVT July 2020 8040-8044*
- Energy Efficient Resource Allocation for Underlying Multi-D2D Enabled Multiple-Antennas Communications. *Ozbek, B., +, TVT June 2020 6189-6199*
- Energy- and Spectral-Efficiency Tradeoff With α -Fairness in Energy Harvesting D2D Communication. *Kuang, Z., +, TVT Sept. 2020 9972-9983*

- Energy-Efficient Analog Combiner Design Using Low-Resolution Phase Shifters and Antenna Selection for mmWave D2D Communications. *Chen, J.*, *TVT Nov. 2020 13979-13984*
- Energy-Efficient and Secure Air-to-Ground Communication With Jittering UAV. *Wu, H.*, +, *TVT April 2020 3954-3967*
- Energy-Efficient Design of IRS-NOMA Networks. *Fang, F.*, +, *TVT Nov. 2020 14088-14092*
- Energy-Efficient Eco-Friendly Zero-Holding-Energy Magnetic Contactor for Industrial and Vehicular Applications. *Gabdullin, N.*, +, *TVT May 2020 5000-5011*
- Energy-Efficient Power Allocation and Q-Learning-Based Relay Selection for Relay-Aided D2D Communication. *Wang, X.*, +, *TVT June 2020 6452-6462*
- Energy-Efficient Power Allocation and User Selection for mmWave-NOMA Transmission in M2M Communications Underlying Cellular Heterogeneous Networks. *Sobhi-Givi, S.*, +, *TVT Sept. 2020 9866-9881*
- Energy-Efficient UAV-Assisted Mobile Edge Computing: Resource Allocation and Trajectory Optimization. *Li, M.*, +, *TVT March 2020 3424-3438*
- Energy-Saving Deployment Algorithms of UAV Swarm for Sustainable Wireless Coverage. *Zhang, X.*, +, *TVT Sept. 2020 10320-10335*
- Energy-Spectral Efficiency Optimization in Vehicular Communications: Joint Clustering and Pricing-Based Robust Power Control Approach. *Xie, Y.*, +, *TVT Nov. 2020 13673-13685*
- Gaussian Mixture Based Context-Aware Short-Term Characterization of Wireless Channels. *Mukherjee, P.*, +, *TVT Jan. 2020 26-40*
- Green Traffic Off-Loading Over Uncertain Shared Spectrums With End-to-End QoS Guarantee. *Li, X.*, +, *TVT Sept. 2020 9921-9937*
- Hierarchical Offloading for Delay-Constrained Applications in Fog RAN. *Guo, K.*, +, *TVT April 2020 4257-4270*
- Hybrid Analog-Digital Beamforming Design for SE and EE Maximization in Massive MIMO Networks. *Ardah, K.*, +, *TVT Jan. 2020 377-389*
- Hybrid Combining Based on Constant Phase Shifters and Active/Inactive Switches. *Bahingayi, E.E.*, +, *TVT April 2020 4058-4068*
- Improper Gaussian Signaling for the K-User MIMO Interference Channels With Hardware Impairments. *Soleymani, M.*, +, *TVT Oct. 2020 11632-11645*
- Integrated Timetable Optimization for Minimum Total Energy Consumption of an AC Railway System. *Pan, Z.*, +, *TVT April 2020 3641-3653*
- Joint Long-Term Energy Efficiency Optimization in C-RAN With Hybrid Energy Supply. *Xu, B.*, +, *TVT Oct. 2020 11128-11138*
- Learning-Based Joint Optimization of Transmit Power and Harvesting Time in Wireless-Powered Networks With Co-Channel Interference. *Lee, K.*, +, *TVT March 2020 3500-3504*
- Lifetime Maximization in Mobile Edge Computing Networks. *Gupta, S.*, +, *TVT March 2020 3310-3321*
- Mitigating the Torque Ripple in Electric Traction Using Proportional Integral Resonant Controller. *Chuan, H.*, +, *TVT Oct. 2020 10820-10831*
- Mixed-Integer Optimal Design and Energy Management of Hybrid Electric Vehicles With Automated Manual Transmissions. *Yu, H.*, +, *TVT Nov. 2020 12705-12715*
- Named Data Networking Enabled Power Saving Mode Design for WLAN. *Wu, F.*, +, *TVT Jan. 2020 901-913*
- NOMA-Assisted On-Demand Transmissions for Monitoring Applications in Industrial IoT Networks. *Lyu, L.*, +, *TVT Oct. 2020 12264-12276*
- On Outage Analysis in SWIPT Enabled Bidirectional D2D Communications Using Spectrum Sharing in Cellular Networks. *Ghosh, S.*, +, *TVT Sept. 2020 10167-10176*
- On the Performance of LTE/Wi-Fi Dual-Mode Uplink Transmission: Connection Probability Versus Energy Efficiency. *Zhang, J.*, +, *TVT Oct. 2020 11152-11168*
- Optimal Power Allocation in Cooperative Networks With Energy-Saving Protocols. *Ojo, F.K.*, +, *TVT May 2020 5079-5088*
- Optimizing Weighted-Sum Energy Efficiency in Downlink and Uplink NOMA Systems. *Zamani, M.R.*, +, *TVT Oct. 2020 11112-11127*
- Power-Time Splitting-Based Non-Linear Energy Harvesting in FD Short-Packet Communications. *Raut, P.*, +, *TVT Aug. 2020 9146-9151*
- Research on Equivalent Factor Boundary of Equivalent Consumption Minimization Strategy for PHEVs. *Li, J.*, +, *TVT June 2020 6011-6024*
- Resource Allocation and Trajectory Optimization for QoE Provisioning in Energy-Efficient UAV-Enabled Wireless Networks. *Zeng, F.*, +, *TVT July 2020 7634-7647*
- Statistical Energy Efficiency Characterization for Wireless Transmission Over Fading Channels. *Yang, H.*, +, *TVT Nov. 2020 13947-13951*
- System-Centric Computation Energy Efficiency for Distributed NOMA-Based MEC Networks. *Ye, Y.*, +, *TVT Aug. 2020 8938-8948*
- Time-Expanded Graph Based Energy-Efficient Delay-Bounded Multicast Over Satellite Networks. *Shi, K.*, +, *TVT Sept. 2020 10380-10384*
- Tradeoff Between Ergodic Energy Efficiency and Spectral Efficiency in D2D Communications Under Rician Fading Channel. *Mili, M.R.*, +, *TVT Sept. 2020 9750-9766*
- Trajectory Optimization for UAVs' Efficient Charging in Wireless Rechargeable Sensor Networks. *Wu, P.*, +, *TVT April 2020 4207-4220*
- UAV-Aided Wireless Communication Designs With Propulsion Energy Limitations. *Eom, S.*, +, *TVT Jan. 2020 651-662*
- Uplink NOMA Random Access Systems With Space-Time Line Code. *Seo, J.*, +, *TVT April 2020 4522-4526*
- Wireless Energy Efficiency Evaluation for Buildings Under Design Based on Analysis of Interference Gain. *Zhang, J.*, +, *TVT June 2020 6310-6324*
- Wireless Powered Intelligent Reflecting Surfaces for Enhancing Wireless Communications. *Zou, Y.*, +, *TVT Oct. 2020 12369-12373*
- Energy consumption**
- A Reliable Data Loss Aware Algorithm for Fog-IoT Networks. *Abkenar, F.S.*, +, *TVT May 2020 5718-5722*
- An Analysis of the Tradeoff Between Fuel Consumption and Ride Comfort for the Pulse and Glide Driving Strategy. *Sohn, C.*, +, *TVT July 2020 7223-7233*
- Auction Mechanism for Dynamic Bandwidth Allocation in Multi-Tenant Edge Computing. *Le, T.H.T.*, +, *TVT Dec. 2020 15162-15176*
- Capturing the Impact of Speed, Grade, and Traffic on Class 8 Truck Platooning. *Taylor, A.H.*, +, *TVT Oct. 2020 10506-10518*
- Coded Caching for Smart Grid Enabled HetNets With Resource Allocation and Energy Cooperation. *Yin, F.*, +, *TVT Oct. 2020 12058-12071*
- Computation-Efficient Offloading and Trajectory Scheduling for Multi-UAV Assisted Mobile Edge Computing. *Zhang, J.*, +, *TVT Feb. 2020 2114-2125*
- Computationally Efficient Stochastic Model Predictive Controller for Battery Thermal Management of Electric Vehicle. *Park, S.*, +, *TVT Aug. 2020 8407-8419*
- Energy Efficient Relay Selection and Resource Allocation in D2D-Enabled Mobile Edge Computing. *Li, Y.*, +, *TVT Dec. 2020 15800-15814*
- Energy-Efficient and Delay-Fair Mobile Computation Offloading. *Mu, S.*, +, *TVT Dec. 2020 15746-15759*
- Energy-Efficient Eco-Friendly Zero-Holding-Energy Magnetic Contactor for Industrial and Vehicular Applications. *Gabdullin, N.*, +, *TVT May 2020 5000-5011*
- Energy-Minimization Task Offloading and Resource Allocation for Mobile Edge Computing in NOMA Heterogeneous Networks. *Xu, C.*, +, *TVT Dec. 2020 16001-16016*
- Forecasts of Electric Vehicle Energy Consumption Based on Characteristic Speed Profiles and Real-Time Traffic Data. *Morlock, F.*, +, *TVT Feb. 2020 1404-1418*
- Fuel Minimization of the Electric Engine Cooling System With Active Grille Shutter by Iterative Quadratic Programming. *Feng, L.*, +, *TVT March 2020 2621-2635*
- Impact of Railway Energy Efficiency on the Primary Distribution Power Grid. *Botte, M.*, +, *TVT Dec. 2020 14131-14140*
- Improving the Fuel Efficiency of Compact Wheel Loader With a Series Hydraulic Hybrid Powertrain. *Wen, Q.*, +, *TVT Oct. 2020 10700-10709*
- Integrated Timetable Optimization for Minimum Total Energy Consumption of an AC Railway System. *Pan, Z.*, +, *TVT April 2020 3641-3653*
- Joint Computation Offloading and Demand Response Management in Mobile Edge Network With Renewable Energy Sources. *Liu, Y.*, +, *TVT Dec. 2020 15720-15730*

- Joint Optimization of Cooperative Communication and Computation in Two-Way Relay MEC Systems. *Xie, B.*, +, *TVT April 2020 4596-4600*
- Joint Propulsion and Cooling Energy Management of Hybrid Electric Vehicles by Optimal Control. *Chen, B.*, +, *TVT May 2020 4894-4906*
- Latency Minimization for D2D-Enabled Partial Computation Offloading in Mobile Edge Computing. *Saleem, U.*, +, *TVT April 2020 4472-4486*
- Low-Cost Reconstruction of Typical Driving Cycles Based on Empirical Information and Low-Frequency Speed Data. *Shi, S.*, +, *TVT Aug. 2020 8221-8231*
- Route Planning and Power Management for PHEVs With Reinforcement Learning. *Zhang, Q.*, +, *TVT May 2020 4751-4762*
- Self-Adaptive Hyper-Heuristic Markov Chain Evolution for Generating Vehicle Multi-Parameter Driving Cycles. *Zhang, M.*, +, *TVT June 2020 6041-6052*
- Towards Efficient Battery Swapping Service Operation Under Battery Heterogeneity. *Zhang, X.*, +, *TVT June 2020 6107-6118*
- Trio-Connectivity for Efficient Uplink Performance in Future Mobile Networks. *Mahbas, A.*, +, *TVT Dec. 2020 15706-15719*
- Energy efficiency**
- Impact of Railway Energy Efficiency on the Primary Distribution Power Grid. *Botte, M.*, +, *TVT Dec. 2020 14131-14140*
- Energy harvesting**
- A Bandit Approach for Mode Selection in Ambient Backscatter-Assisted Wireless-Powered Relaying. *Li, G.*, +, *TVT Aug. 2020 9190-9195*
- A Multi-Tone Amplitude Modulation Scheme for Wireless Information and Power Transfer. *Im, C.*, +, *TVT Jan. 2020 1147-1151*
- A Novel Graphics-Based Multi-Epoch Power Adjustment Strategy for WPCNs. *Wang, T.*, +, *TVT Nov. 2020 14093-14098*
- Adaptive Mode Selection for Backscatter-Assisted Communication Systems With Opportunistic SIC. *Li, D.*, +, *TVT Feb. 2020 2327-2331*
- An Optimal Policy for Hybrid Channel Access in Cognitive Radio Networks With Energy Harvesting. *Tayel, A.F.*, +, *TVT Oct. 2020 11253-11265*
- Backscatter Communication via Harvest-Then-Transmit Relaying. *Li, D.*, *TVT June 2020 6843-6847*
- Charge-and-Activate Policies for Targets Monitoring in RF-Harvesting Sensor Networks. *Fei, J.*, +, *TVT July 2020 7835-7846*
- Common Throughput Maximization in Wireless Powered Communication Networks With Non-Orthogonal Multiple Access. *Chen, Z.*, +, *TVT July 2020 7692-7706*
- Deep Reinforcement Learning Aided Intelligent Access Control in Energy Harvesting Based WLAN. *Zhao, Y.*, +, *TVT Nov. 2020 14078-14082*
- Design and Experimental Investigation of a Self-Tuning Piezoelectric Energy Harvesting System for Intelligent Vehicle Wheels. *Rui, X.*, +, *TVT Feb. 2020 1440-1451*
- Distributionally Robust Two-Stage Energy Management for Hybrid Energy Powered Cellular Networks. *Du, P.*, +, *TVT Oct. 2020 12162-12174*
- Energy Efficiency for RF-Powered Backscatter Networks Using HTT Protocol. *Shi, L.*, +, *TVT Nov. 2020 13932-13936*
- Energy Efficient UAV Communication With Energy Harvesting. *Yang, Z.*, +, *TVT Feb. 2020 1913-1927*
- Energy Harvesting Wireless Sensor Networks With Channel Estimation: Delay and Packet Loss Performance Analysis. *Hentati, A.*, +, *TVT Feb. 2020 1956-1969*
- Energy- and Spectral-Efficiency Tradeoff With α -Fairness in Energy Harvesting D2D Communication. *Kuang, Z.*, +, *TVT Sept. 2020 9972-9983*
- Energy-Aware Relay Selection Improves Security-Reliability Tradeoff in Energy Harvesting Cooperative Cognitive Radio Systems. *Yan, P.*, +, *TVT May 2020 5115-5128*
- Energy-Efficient SWIPT-Empowered D2D Mode Selection. *Huang, J.*, +, *TVT April 2020 3903-3915*
- Fairness-Aware Intragroup Cooperative Transmission in Wireless Powered Communication Networks. *Mao, Z.*, +, *TVT June 2020 6463-6472*
- Full-Duplex Non-Orthogonal Multiple Access Cooperative Spectrum-Sharing Networks With Non-Linear Energy Harvesting. *Hakimi, A.*, +, *TVT Oct. 2020 10925-10936*
- Impact of Battery Charging on Spectrum Sensing of CRN With Energy Harvesting. *Zheng, K.*, +, *TVT July 2020 7545-7557*
- Improper Gaussian Signaling for Computationally Tractable Energy and Information Beamforming. *Yu, H.*, +, *TVT Nov. 2020 13990-13995*
- Improving PHY-Security of UAV-Enabled Transmission With Wireless Energy Harvesting: Robust Trajectory Design and Communications Resource Allocation. *Mamaghani, M.T.*, +, *TVT Aug. 2020 8586-8600*
- Information-Energy Region for SWIPT Networks in Mobility Scenarios. *Jiang, R.*, +, *TVT July 2020 7264-7280*
- Joint 3D Trajectory Design and Time Allocation for UAV-Enabled Wireless Power Transfer Networks. *Feng, W.*, +, *TVT Sept. 2020 9265-9278*
- Joint Long-Term Energy Efficiency Optimization in C-RAN With Hybrid Energy Supply. *Xu, B.*, +, *TVT Oct. 2020 11128-11138*
- Learning-Based Joint Optimization of Transmit Power and Harvesting Time in Wireless-Powered Networks With Co-Channel Interference. *Lee, K.*, +, *TVT March 2020 3500-3504*
- Mobile Edge Computing via Wireless Power Transfer Over Multiple Fading Blocks: An Optimal Stopping Approach. *Gu, Q.*, +, *TVT Sept. 2020 10348-10361*
- Modeling and Performance Analysis for Ambient Backscattering Underlaying Cellular Networks. *Shi, L.*, +, *TVT June 2020 6563-6577*
- NOMA With Battery-Assisted Energy Harvesting Full-Duplex Relay. *Agrawal, K.*, +, *TVT Nov. 2020 13952-13957*
- On Maximizing Min Source Rate in Power Beacon Assisted IoTs Networks. *He, T.*, +, *TVT Oct. 2020 11880-11892*
- On the Convex Properties of Wireless Power Transfer With Nonlinear Energy Harvesting. *Hu, Y.*, +, *TVT May 2020 5672-5676*
- On the Throughput of Interference-Based Wireless Powered Communications With Receive Antenna Selection. *Al-Badarneh, Y.H.*, +, *TVT March 2020 3048-3056*
- Optimal Altitude Selection of Aerial Base Stations to Maximize Coverage and Energy Harvesting Probabilities: A Stochastic Geometry Analysis. *Enayati, S.*, +, *TVT Jan. 2020 1096-1100*
- Optimal Energy Cooperation Policy in Fusion Center-Based Sustainable Wireless Sensor Networks. *Liang, H.*, +, *TVT June 2020 6401-6414*
- Optimal Power Allocation in Cooperative Networks With Energy-Saving Protocols. *Ojo, F.K.*, +, *TVT May 2020 5079-5088*
- Outage Analysis in Cognitive Radio Networks With Energy Harvesting and Q-Routing. *Paul, A.*, +, *TVT June 2020 6755-6765*
- Outage Analysis of RF Energy Harvesting Cooperative Communication Systems Over Nakagami- m Fading Channels With Integer and Non-Integer m . *Hoang, T.M.*, +, *TVT March 2020 2785-2801*
- Performance Analysis and Optimization of Bidirectional Overlay Cognitive Radio Networks With Hybrid-SWIPT. *Prathima, A.*, +, *TVT Nov. 2020 13467-13481*
- Performance of SWIPT for Full-Duplex Relay System With Co-Channel Interference. *Guo, J.*, +, *TVT Feb. 2020 2311-2315*
- PLS-Based Secrecy Transmission for VANETs. *Song, H.*, +, *TVT July 2020 7596-7608*
- Power Allocation Based on Reinforcement Learning for MIMO System With Energy Harvesting. *Mu, X.*, +, *TVT July 2020 7622-7633*
- Power Minimization for Secure Multi-User MISO NOMA System With Energy Harvesting. *Zhou, J.*, +, *TVT Sept. 2020 10046-10058*
- Power Splitting-Based SWIPT Systems With Full-Duplex Jamming. *Ma, R.*, +, *TVT Sept. 2020 9822-9836*
- Power-Time Splitting-Based Non-Linear Energy Harvesting in FD Short-Packet Communications. *Raut, P.*, +, *TVT Aug. 2020 9146-9151*
- Proportional-Fair Multi-User Scalable Layered Wireless Video Streaming Powered by Energy Harvesting. *Yang, J.*, +, *TVT April 2020 4460-4471*
- Resource Allocation in Green Dense Cellular Networks: Complexity and Algorithms. *Mlika, Z.*, +, *TVT Feb. 2020 1994-2007*
- Robust Secure Beamforming for SWIPT-Aided Relay Systems With Full-Duplex Receiver and Imperfect CSI. *Li, X.*, +, *TVT Feb. 2020 1867-1878*
- Robust Secure Transmission and Power Transfer in Heterogeneous Networks With Confidential Information. *Liu, Z.*, +, *TVT Oct. 2020 11192-11205*
- Secrecy Outage Analysis of Transmit Antenna Selection Assisted With Wireless Power Beacon. *Yan, P.*, +, *TVT July 2020 7473-7482*

- Secrecy Performance Analysis of UAV Assisted Relay Transmission for Cognitive Network With Energy Harvesting. *Ji, B.*, +, *TVT July 2020 7404-7415*
- Secrecy Performance of NOMA Systems With Energy Harvesting and Full-Duplex Relaying. *Guo, C.*, +, *TVT Oct. 2020 12301-12305*
- Secure Communication With Outdated Channel State Information via Untrusted Relay Capable of Energy Harvesting. *Lim, J.*, +, *TVT Oct. 2020 11323-11337*
- Secure Wireless Powered Cooperative Communication Networks With Finite Energy Storage. *Wang, Y.*, +, *TVT Jan. 2020 1008-1022*
- Securing OFDM-Based NOMA SWIPT Systems. *Badawy, A.*, +, *TVT Oct. 2020 12343-12347*
- Self-Energized UAV-Assisted Scheme for Cooperative Wireless Relay Networks. *Jayakody, D.N.K.*, +, *TVT Jan. 2020 578-592*
- Simultaneous Wireless Content and Power Transfer in F-RAN: Caching, eRRH Classification and Beamforming. *Hu, J.*, +, *TVT Nov. 2020 12992-13004*
- Stochastic Geometry Based Performance Characterization of SWIPT in Cell-Free Massive MIMO. *Kusaladharma, S.*, +, *TVT Nov. 2020 13357-13370*
- Throughput Maximization of a Hybrid EH-SWIPT Relay System Under Temperature Constraints. *Oshaghi, M.*, +, *TVT Feb. 2020 1792-1801*
- Transceiver Design for AF MIMO Relay Systems With a Power Splitting Based Energy Harvesting Relay Node. *Li, B.*, +, *TVT March 2020 2376-2388*
- Transceiver Design for Simultaneous Wireless Information and Power Multicast in Multi-User mmWave MIMO System. *Yue, Q.*, +, *TVT Oct. 2020 11394-11407*
- Two-Way Dual-Hop WPCN With A Practical Energy Harvesting Model. *Ramezani, P.*, +, *TVT July 2020 8013-8017*
- UAV-Enabled Wireless Power Transfer With Base Station Charging and UAV Power Consumption. *Yan, H.*, +, *TVT Nov. 2020 12883-12896*
- Uplinks Schedulers for RF-Energy Harvesting Networks With Imperfect CSI. *Liu, Y.*, +, *TVT April 2020 4233-4245*
- Wireless Power Transfer Based Adaptive Relaying With Energy Accumulation. *Zhai, C.*, +, *TVT Oct. 2020 11014-11027*
- Wireless Powered Intelligent Reflecting Surfaces for Enhancing Wireless Communications. *Zou, Y.*, +, *TVT Oct. 2020 12369-12373*
- Energy management**
- Predictive Equivalent Consumption Minimization Strategy With Segmented Traffic Information. *Chen, D.*, +, *TVT Dec. 2020 14377-14390*
- Energy management systems**
- A New Energy Management Strategy for Multimode Power-Split Hybrid Electric Vehicles. *Buccoliero, G.*, +, *TVT Jan. 2020 172-181*
- A Novel Predictive Energy Management Strategy for Electric Vehicles Based on Velocity Prediction. *Zhai, C.*, +, *TVT Nov. 2020 12559-12569*
- Aging-Aware Optimal Energy Management Control for a Parallel Hybrid Vehicle Based on Electrochemical-Degradation Dynamics. *De Pascali, L.*, +, *TVT Oct. 2020 10868-10878*
- An Adaptive State Machine Based Energy Management Strategy for a Multi-Stack Fuel Cell Hybrid Electric Vehicle. *Macias Fernandez, A.*, +, *TVT Jan. 2020 220-234*
- An ANFIS-Based ECMS for Energy Optimization of Parallel Hybrid Electric Bus. *Tian, X.*, +, *TVT Feb. 2020 1473-1483*
- An Integrated Energy Storage System With Voltage Balancing Based on Switched-Capacitor Reutilization Techniques. *Liu, J.*, +, *TVT Aug. 2020 8356-8366*
- Battery-Involved Energy Management for Hybrid Electric Bus Based on Expert-Assistance Deep Deterministic Policy Gradient Algorithm. *Wu, J.*, +, *TVT Nov. 2020 12786-12796*
- Coordinated Charging Control of Electric Vehicles While Improving Power Quality in Power Grids Using a Hierarchical Decision-Making Approach. *Zahedmanesh, A.*, +, *TVT Nov. 2020 12585-12596*
- Cross-Type Transfer for Deep Reinforcement Learning Based Hybrid Electric Vehicle Energy Management. *Lian, R.*, +, *TVT Aug. 2020 8367-8380*
- Distributionally Robust Two-Stage Energy Management for Hybrid Energy Powered Cellular Networks. *Du, P.*, +, *TVT Oct. 2020 12162-12174*
- Forecasts of Electric Vehicle Energy Consumption Based on Characteristic Speed Profiles and Real-Time Traffic Data. *Morlock, F.*, +, *TVT Feb. 2020 1404-1418*
- Hierarchical Optimization of an On-Board Supercapacitor Energy Storage System Considering Train Electric Braking Characteristics and System Loss. *Zhong, Z.*, +, *TVT March 2020 2576-2587*
- Improving the Fuel Efficiency of Compact Wheel Loader With a Series Hydraulic Hybrid Powertrain. *Wen, Q.*, +, *TVT Oct. 2020 10700-10709*
- Joint Propulsion and Cooling Energy Management of Hybrid Electric Vehicles by Optimal Control. *Chen, B.*, +, *TVT May 2020 4894-4906*
- Look-Ahead Prediction-Based Real-Time Optimal Energy Management for Connected HEVs. *Xu, F.*, +, *TVT March 2020 2537-2551*
- Mixed-Integer Optimal Design and Energy Management of Hybrid Electric Vehicles With Automated Manual Transmissions. *Yu, H.*, +, *TVT Nov. 2020 12705-12715*
- Optimisation of a Catenary-Free Tramline Equipped With Stationary Energy Storage Systems. *Wei, S.*, +, *TVT March 2020 2449-2462*
- Real-Time Model Predictive Powertrain Control for a Connected Plug-In Hybrid Electric Vehicle. *Oncken, J.*, +, *TVT Aug. 2020 8420-8432*
- Research on Equivalent Factor Boundary of Equivalent Consumption Minimization Strategy for PHEVs. *Li, J.*, +, *TVT June 2020 6011-6024*
- Short-Term Optimal Energy Management of Power-Split Hybrid Electric Vehicles Under Velocity Tracking Control. *Zhang, J.*, +, *TVT Jan. 2020 182-193*
- Energy storage**
- A Novel Predictive Energy Management Strategy for Electric Vehicles Based on Velocity Prediction. *Zhai, C.*, +, *TVT Nov. 2020 12559-12569*
- Analysis and Design of a Voltage Equalizer Based on Boost Full-Bridge Inverter and Symmetrical Voltage Multiplier for Series-Connected Batteries. *Yang, X.*, +, *TVT April 2020 3828-3840*
- Improving the Fuel Efficiency of Compact Wheel Loader With a Series Hydraulic Hybrid Powertrain. *Wen, Q.*, +, *TVT Oct. 2020 10700-10709*
- Joint Computation Offloading and Demand Response Management in Mobile Edge Network With Renewable Energy Sources. *Liu, Y.*, +, *TVT Dec. 2020 15720-15730*
- Robust Operation of Shipboard Microgrids With Multiple-Battery Energy Storage System Under Navigation Uncertainties. *Fang, S.*, +, *TVT Oct. 2020 10531-10544*
- Secure Wireless Powered Cooperative Communication Networks With Finite Energy Storage. *Wang, Y.*, +, *TVT Jan. 2020 1008-1022*
- Engines**
- Capturing the Impact of Speed, Grade, and Traffic on Class 8 Truck Platooning. *Taylor, A.H.*, +, *TVT Oct. 2020 10506-10518*
- Connected Vehicle Based Distributed Meta-Learning for Online Adaptive Engine/Powertrain Fuel Consumption Modeling. *Ma, X.*, +, *TVT Sept. 2020 9553-9565*
- Fuel Minimization of the Electric Engine Cooling System With Active Grille Shutter by Iterative Quadratic Programming. *Feng, L.*, +, *TVT March 2020 2621-2635*
- Global Synchronous Optimization Including Intake Valves and Exhaust Valves Based on MODM Strategy. *Lu, Y.*, +, *TVT Dec. 2020 14858-14868*
- Minimum-Fuel Energy Management of a Hybrid Electric Vehicle via Iterative Linear Programming. *Robuschi, N.*, +, *TVT Dec. 2020 14575-14587*
- Modelling and Vibration Analysis of a Parallel Hydraulic Hybrid Vehicle. *Zhou, S.*, +, *TVT Oct. 2020 10710-10723*
- Research on Compound Coordinated Control for a Power-Split Hybrid Electric Vehicle Based on Compensation of Non-Ideal Communication Network. *Wang, J.*, +, *TVT Dec. 2020 14818-14833*
- Entropy**
- Antenna Array Diagnosis for Millimeter-Wave MIMO Systems. *Ma, S.*, +, *TVT April 2020 4585-4589*
- Charge-and-Activate Policies for Targets Monitoring in RF-Harvesting Sensor Networks. *Fei, J.*, +, *TVT July 2020 7835-7846*
- Low-Cost and Power-Efficient Massive MIMO Precoding: Architecture and Algorithm Designs. *Chen, J.*, *TVT July 2020 7429-7442*
- REF Codes: Intermediate Performance Oriented Fountain Codes With Feedback. *Shang, J.*, +, *TVT Nov. 2020 13148-13164*

Vehicle Type Recognition From Surveillance Data Based on Deep Active Learning. *Ding, X.*, +, *TVT March 2020 2477-2486*

Equalizers

Adaptive Turbo Equalization for Differential OFDM Systems in Underwater Acoustic Communications. *Zhao, S.*, +, *TVT Nov. 2020 13937-13941*

Analysis and Design of a Voltage Equalizer Based on Boost Full-Bridge Inverter and Symmetrical Voltage Multiplier for Series-Connected Batteries. *Yang, X.*, +, *TVT April 2020 3828-3840*

Automatic Modulation Classification for MIMO Systems via Deep Learning and Zero-Forcing Equalization. *Wang, Y.*, +, *TVT May 2020 5688-5692*

Automotive Battery Equalizers Based on Joint Switched-Capacitor and Buck-Boost Converters. *Liu, K.*, +, *TVT Nov. 2020 12716-12724*

Complementary Coded CDMA Systems With CP-Free OFDM. *Wang, X.*, +, *TVT Oct. 2020 11515-11528*

Joint Compensation of Transmitter and Receiver I/Q Imbalances for SC-FDE Systems. *Cheng, X.*, +, *TVT Aug. 2020 8483-8498*

Low-Complexity Equalization of MIMO-OSDM. *Han, J.*, +, *TVT Feb. 2020 2301-2305*

Non-Coherent Massive MIMO-OFDM Down-Link Based on Differential Modulation. *Chen-Hu, K.*, +, *TVT Oct. 2020 11281-11294*

Precoded Index Modulation Based Multiple Access Scheme. *Belaoura, W.*, +, *TVT Nov. 2020 12912-12920*

Semi-Blind Post-Equalizer SINR Estimation and Dual CSI Feedback for Radar-Cellular Coexistence. *Rao, R.M.*, +, *TVT Sept. 2020 9720-9735*

SINR Analysis of Different OFDM-Inspired Waveforms Over Doubly Dispersive Channels. *Wang, X.*, +, *TVT Sept. 2020 9459-9468*

Time-Domain vs. Frequency-Domain Equalization for FTN Signaling. *Li, S.*, +, *TVT Aug. 2020 9174-9179*

Equivalent circuits

Analysis and Design of a Voltage Equalizer Based on Boost Full-Bridge Inverter and Symmetrical Voltage Multiplier for Series-Connected Batteries. *Yang, X.*, +, *TVT April 2020 3828-3840*

Development of an Equivalent Circuit for Batteries Based on a Distributed Impedance Network. *Khayamy, M.*, +, *TVT June 2020 6119-6128*

On-Board State Estimation in Electrical Vehicles: Achieving Accuracy and Computational Efficiency Through an Electrochemical Model. *Verma, M.K.S.*, +, *TVT March 2020 2563-2575*

Wideband Dual Circularly Polarized Antenna for Intelligent Transport Systems. *Wen, L.*, +, *TVT May 2020 5193-5202*

Error analysis

Smart Grid Network With D2D Communication and Coherent PLC: Error Analysis. *Dash, S.P.*, +, *TVT Jan. 2020 1051-1054*

Error correction

Low-Latency Segmented List-Pruning Software Polar List Decoder. *Shen, Y.*, +, *TVT April 2020 3575-3589*

Reduced-Complexity Low-Latency Logarithmic Successive Cancellation Stack Polar Decoding for 5G New Radio and Its Software Implementation. *Xiang, L.*, +, *TVT Nov. 2020 12449-12458*

Error correction codes

Concurrent OFDM Demodulation and Turbo Decoding for Ultra Reliable Low Latency Communication. *Xiang, L.*, +, *TVT Feb. 2020 1281-1290*

Energy Optimization For Hybrid ARQ With Turbo Coding: Rate Adaptation and Allocation. *Zhang, B.*, +, *TVT Oct. 2020 11338-11352*

Index Coding in Vehicle to Vehicle Communication. *Pachat, J.*, +, *TVT Oct. 2020 11926-11936*

Low-Latency Segmented List-Pruning Software Polar List Decoder. *Shen, Y.*, +, *TVT April 2020 3575-3589*

Soft List Decoding of Polar Codes. *Xiang, L.*, +, *TVT Nov. 2020 13921-13926*

Error probability

A Tight Upper Bound for Enhanced DCT-OFDM With Index Modulation. *Cao, A.*, +, *TVT Dec. 2020 16213-16217*

Bit Error Probability of MQAM in the Presence of Phase Noise. *Jafari, H.*, +, *TVT Dec. 2020 14918-14931*

UAV-Enabled Secure Communication With Finite Blocklength. *Wang, Y.*, +, *TVT Dec. 2020 16309-16313*

Error statistics

A Joint Iterative Optimal Resource Allocation Algorithm for Non-Orthogonal Multi-User and Multi-Weight Opportunistic Beamforming Systems. *Sun, W.*, +, *TVT March 2020 2864-2877*

A Multi-Tone Amplitude Modulation Scheme for Wireless Information and Power Transfer. *Im, C.*, +, *TVT Jan. 2020 1147-1151*

A New IDMA System Based on CSK Modulation for Multiuser Underwater Acoustic Communications. *Jing, L.*, +, *TVT March 2020 3080-3092*

A Novel Downlink Interference Alignment Method for Multi-User MIMO System With No CSIT: A Space-Time Coding Approach. *Arti, M.K.*, *TVT Oct. 2020 10937-10948*

A Polarization MDCSK Modulation Without PDL Over Multipath Rayleigh Fading Channels. *Miao, M.*, +, *TVT June 2020 6813-6817*

An Adaptive BLAST Successive Interference Cancellation Method for High Data Rate Perfect Space-Time Coded MIMO Systems. *Grabner, M.J.*, +, *TVT Feb. 2020 1542-1553*

An Efficient Software Stack Sphere Decoder for Polar Codes. *Zhou, H.*, +, *TVT Feb. 2020 1257-1266*

An Experimental Investigation of Enhanced SM-OFDM Over Indoor Rician Multipath Channels. *Jiang, K.*, +, *TVT Feb. 2020 2291-2295*

Analysis and Optimization of Tail-Biting Spatially Coupled Protograph LDPC Codes for BICM-ID Systems. *Yang, Z.*, +, *TVT Jan. 2020 390-404*

Analysis of Equal Gain Combining Over Fluctuating Two-Ray Channels With Applications to Millimeter-Wave Communications. *Hashemi, H.*, +, *TVT Feb. 2020 1751-1765*

Bit Error Probability and Capacity Bound of OFDM Systems in Deterministic Doubly-Selective Channels. *Dominguez-Bolano, T.*, +, *TVT Oct. 2020 11458-11469*

Characterization and Performance Improvement of Cooperative Wireless Networks With Nonlinear Power Amplifier at Relay. *Majidi, M.*, +, *TVT March 2020 3244-3255*

Closed-Form Bit Error Probabilities for FBMC Systems. *Kobayashi, R.T.*, +, *TVT Feb. 2020 1237-1244*

Codeword Position Index Modulation Design for Sparse Code Multiple Access System. *Lai, K.*, +, *TVT Nov. 2020 13273-13288*

Cognitive Radio Network Assisted by OFDM With Index Modulation. *Li, J.*, +, *TVT Jan. 2020 1106-1110*

Complementary Coded CDMA Systems With CP-Free OFDM. *Wang, X.*, +, *TVT Oct. 2020 11515-11528*

Comprehensive Effects of Imperfect Synchronization and Channel Estimation on Known Interference Cancellation. *Guo, W.*, +, *TVT Jan. 2020 457-470*

Cooperative Time Successive SSK-M-ary Modulation for Decode-and-Forward Relay Systems. *Maheswaran, P.*, +, *TVT Jan. 2020 537-551*

Covert Communications in D2D Underlying Cellular Networks With Antenna Array Assisted Artificial Noise Transmission. *Jiang, Y.*, +, *TVT March 2020 2980-2992*

Delayed Bit Interleaved Coded Sparse Code Multiple Access. *Mheich, Z.*, +, *TVT July 2020 8018-8022*

Design and Analysis of Joint Source Channel Coding Schemes Over Non-Standard Coding Channels. *Chen, Q.*, +, *TVT May 2020 5369-5380*

Design and Performance Analysis of LED-Grouping Based Spatial Modulation in the Visible Light Communication System. *Gao, X.*, +, *TVT July 2020 7317-7324*

Design of a Superposition Coding PPM-DCSK System for Downlink Multi-User Transmission. *Ma, H.*, +, *TVT Feb. 2020 1666-1678*

Direct Data Detection of OFDM Signals Over Wireless Channels. *Saci, A.*, +, *TVT Nov. 2020 12432-12448*

Double Space-Time Line Codes. *Joung, J.*, +, *TVT Feb. 2020 2316-2321*

Down-Link NOMA Networks in the Presence of IQI and Imperfect SIC: Receiver Design and Performance Analysis. *Alsmadi, M.M.*, +, *TVT June 2020 6793-6797*

Energy Efficient Parallel Concatenated Index Modulation and M-ary PSK Aided OFDM-DCSK Communications With QoS Consideration. *Liu, Z.*, +, *TVT Sept. 2020 9469-9482*

Enhanced Diversity-Achieving Quadrature Spatial Modulation With Fast Decodability. *Wang, L.*, +, *TVT June 2020 6165-6177*

- Enhanced Sparse Vector Coding for Ultra-Reliable and Low Latency Communications. *Kim, W.*, +, *TVT May 2020 5698-5702*
- Error Probability Analysis of NOMA-Based Diamond Relaying Network. *Kara, F.*, +, *TVT Feb. 2020 2280-2285*
- Error Probability of M -Phase Signaling With Phase Noise Over Fading Channels. *Silva, P.E.G.*, +, *TVT June 2020 6766-6770*
- Finite-Length Performance Analysis of LDPC Coded Continuous Phase Modulation. *Noor-A-Rahim, M.*, +, *TVT Oct. 2020 12277-12280*
- Generalized MGF of Inverse Gaussian Distribution With Applications to Wireless Communications. *Gong, J.*, +, *TVT Feb. 2020 2332-2336*
- Generalized Space Domain Index Modulation for mmWave Distributed Antenna Systems. *Luo, S.*, +, *TVT Nov. 2020 14067-14071*
- Hybrid Beamforming/Combining for Millimeter Wave MIMO: A Machine Learning Approach. *Chen, J.*, +, *TVT Oct. 2020 11353-11368*
- Impact of Co-Channel Interference and Vehicles as Obstacles on Full-Duplex V2V Cooperative Wireless Network. *Eshteiwi, K.*, +, *TVT July 2020 7503-7517*
- Improving Massive MIMO Message Passing Detectors With Deep Neural Network. *Tan, X.*, +, *TVT Feb. 2020 1267-1280*
- Joint Channel Estimation and Precoding for Faster-Than-Nyquist Signaling. *Li, Q.*, +, *TVT Nov. 2020 13139-13147*
- Joint Modulation and Beamforming for MIMO Systems With 1-b DACs. *Han, Y.*, +, *TVT Jan. 2020 1075-1079*
- Joint Transmit Power and Placement Optimization for URLLC-Enabled UAV Relay Systems. *Ren, H.*, +, *TVT July 2020 8003-8007*
- Joint User-Activity and Data Detection for Grant-Free Spatial-Modulated Multi-Carrier Non-Orthogonal Multiple Access. *Liu, Y.*, +, *TVT Oct. 2020 11673-11684*
- Kalman Filter Based Recursive Estimation of Slowly Fading Sparse Channel in Impulsive Noise Environment for OFDM Systems. *Ly, X.*, +, *TVT March 2020 2828-2835*
- Link-Signature-Based Discriminatory Channel Estimation (LS-DCE) for Physical Layer Security in Stationary and Mobile OFDM Transceivers. *Albehadili, A.*, +, *TVT Aug. 2020 8119-8131*
- Low Complexity Least Minimum Symbol Error Rate Based Post-Distortion for Vehicular VLC. *Mitra, R.*, +, *TVT Oct. 2020 11800-11810*
- Mixed RF-VLC Relaying Systems for Interference-Sensitive Mobile Applications. *Petkovic, M.I.*, +, *TVT Oct. 2020 11099-11111*
- Multuser Selection Criteria for MIMO-NOMA Systems With Different Detectors. *Yu, Q.*, +, *TVT Feb. 2020 1777-1791*
- Non-Redundant OFDM Receiver Windowing for 5G Frames and Beyond. *Pekoz, B.*, +, *TVT Jan. 2020 676-684*
- On the Distribution of the Ratio of Products of Fisher-Snedecor \mathcal{F} Random Variables and Its Applications. *Du, H.*, +, *TVT Feb. 2020 1855-1866*
- On the Distribution of the Sum of Málaga- \mathcal{M} Random Variables and Applications. *Illi, E.*, +, *TVT Nov. 2020 13996-14000*
- On the Performance Analysis of Higher Order QAM Schemes Over Mixed RF/FSO Systems. *Singya, P.K.*, +, *TVT July 2020 7366-7378*
- On the Performance of RIS-Assisted Dual-Hop UAV Communication Systems. *Yang, L.*, +, *TVT Sept. 2020 10385-10390*
- Optimal Detection of UAV's Transmission With Beam Sweeping in Covert Wireless Networks. *Hu, J.*, +, *TVT Jan. 2020 1080-1085*
- Partial Tree Search Assisted Symbol Detection for Massive MIMO Systems. *Lu, H.*, +, *TVT Nov. 2020 13319-13327*
- Performance Analysis of Bidirectional AF Based Cooperative Vehicular Networks. *Qin, D.*, +, *TVT Feb. 2020 2274-2279*
- Performance Analysis of Cellular Downlink With Fluctuating Two-Ray Channels Under Inter-Cell Interference. *Olyaei, M.*, +, *TVT Nov. 2020 13437-13449*
- Performance Analysis of Coherent PLC With MPSK Signaling in Nakagami- m Noise Environment. *Dash, S.P.*, +, *TVT March 2020 3057-3067*
- Performance Analysis of Downlink NOMA Systems Over κ - μ Shadowed Fading Channels. *ElHalawany, B.M.*, +, *TVT Jan. 2020 1046-1050*
- Performance Analysis of Mixed RF-UWOC Dual-Hop Transmission Systems. *Li, S.*, +, *TVT Nov. 2020 14043-14048*
- Performance Analysis of OFDM With Peak Cancellation Under EVM and ACLR Restrictions. *Kageyama, T.*, +, *TVT June 2020 6230-6241*
- Performance Analysis of Spatial Modulation Aided NOMA With Full-Duplex Relay. *Si, Q.*, +, *TVT May 2020 5683-5687*
- Polar Codes for Fast Fading Channel: Design Based on Polar Spectrum. *Niu, K.*, +, *TVT Sept. 2020 10103-10114*
- Preamble Power Optimization Based on Intrinsic Interference Utilization for OQAM/FBMC Channel Estimation. *Liu, W.*, +, *TVT Nov. 2020 13556-13566*
- Precoded Index Modulation Based Multiple Access Scheme. *Belaoura, W.*, +, *TVT Nov. 2020 12912-12920*
- Reduced Complexity Sparse Recovery Detectors for Differential Space Shift Keying MIMO System. *Alshawaqfeh, M.*, +, *TVT April 2020 4558-4562*
- Repetition-Based NOMA Transmission and Its Outage Probability Analysis. *Choi, J.*, *TVT June 2020 5913-5922*
- Secrecy Analysis Over Cascaded κ - μ Fading Channels With Multiple Eavesdroppers. *Tashman, D.H.*, +, *TVT Aug. 2020 8433-8442*
- Secure MIMO-SVD Communications Against Eavesdroppers With Any Number of Antennas. *Tang, J.*, +, *TVT Oct. 2020 11077-11089*
- Secure Single-Input-Multiple-Output Media-Based Modulation. *Mao, T.*, +, *TVT April 2020 4105-4117*
- Selection Combining Over Double α - μ Fading Channels. *Badarneh, O.S.*, +, *TVT March 2020 3444-3448*
- Smart Grid Network With D2D Communication and Coherent PLC: Error Analysis. *Dash, S.P.*, +, *TVT Jan. 2020 1051-1054*
- Soft List Decoding of Polar Codes. *Xiang, L.*, +, *TVT Nov. 2020 13921-13926*
- Space-Frequency Increment Index Modulation Approach for Fifth Generation and Beyond Wireless Communication Systems. *Nusenu, S.Y.*, +, *TVT June 2020 6286-6298*
- Sparse Space-Time-Frequency-Domain Spreading for Large-Scale Non-Orthogonal Multiple Access. *Liu, Y.*, +, *TVT Oct. 2020 12327-12332*
- Sparse-Encoded Codebook Index Modulation. *Arslan, E.*, +, *TVT Aug. 2020 9126-9130*
- Subcarrier-Wise Backscatter Communications Over Ambient OFDM for Low Power IoT. *Nemati, M.*, +, *TVT Nov. 2020 13229-13242*
- Switched Max-Link Relay Selection Based on Maximum Minimum Distance for Cooperative MIMO Systems. *Duarte, F.L.*, +, *TVT Feb. 2020 1928-1941*
- The α - \mathcal{F} Composite Fading Distribution: Statistical Characterization and Applications. *Badarneh, O.S.*, *TVT Aug. 2020 8097-8106*
- Threshold-Based Edge Selection MPA for SCMA. *Silva, B.F.d.*, +, *TVT March 2020 2957-2966*
- Throughput Analysis of Low-Latency IoT Systems With QoS Constraints and Finite Blocklength Codes. *Hu, Y.*, +, *TVT March 2020 3093-3104*
- UWB Receiver via Deep Learning in MUI and ISI Scenarios. *Sharma, S.*, +, *TVT March 2020 3496-3499*

Estimation

- A Hierarchical and Flexible Data-Driven Method for Online State-of-Health Estimation of Li-Ion Battery. *Liu, W.*, +, *TVT Dec. 2020 14739-14748*
- A Method of State-of-Charge Estimation for EV Power Lithium-Ion Battery Using a Novel Adaptive Extended Kalman Filter. *He, Z.*, +, *TVT Dec. 2020 14618-14630*
- DOA Estimation With Small Snapshots Using Weighted Mixed Norm Based on Spatial Filter. *Liu, B.*, +, *TVT Dec. 2020 16183-16187*
- End-to-End Recurrent Generative Adversarial Network for Traffic and Surveillance Applications. *Patil, P.W.*, +, *TVT Dec. 2020 14550-14562*
- Highly Accurate Scale Estimation from Multiple Keyframes Using RANSAC Plane Fitting With a Novel Scoring Method. *Fan, M.*, +, *TVT Dec. 2020 15335-15345*
- Long-Term Channel Statistic Estimation for Highly-Mobile Hybrid MmWave Multi-User MIMO Systems. *Yu, J.*, +, *TVT Dec. 2020 14277-14289*
- OTFS Based Random Access Preamble Transmission for High Mobility Scenarios. *Sinha, A.K.*, +, *TVT Dec. 2020 15078-15094*
- Pilot Length and Channel Estimation for Massive MIMO IoT Systems. *Yan, H.*, +, *TVT Dec. 2020 15532-15544*

Remaining Useful Life Prediction for Lithium-Ion Batteries Based on Capacity Estimation and Box-Cox Transformation. *Xue, Q., +, TVT Dec. 2020 14765-14779*

Uplink Channel Estimation With Hardware Imperfections, Antenna Position Error and Channel Correlation for Nested and Linear Array Antennas. *Azam, M.A., +, TVT Dec. 2020 15412-15426*

Estimation theory

A Fast Robust In-Motion Alignment Method for SINS With DVL Aided. *Xu, X., +, TVT April 2020 3816-3827*

Carrier-Phase-Based Multi-Vehicle Cooperative Positioning Using V2V Sensors. *Xiong, J., +, TVT Sept. 2020 9528-9541*

Extending Shadow Matching to Tightly-Coupled GNSS/INS Integration System. *Zhang, G., +, TVT May 2020 4979-4991*

Inertial Navigation and Position Uncertainty During a Blind Safe Stop of an Autonomous Vehicle. *Jonasson, M., +, TVT May 2020 4788-4802*

Learning and Uncertainty-Exploited Directional Antenna Control for Robust Long-Distance and Broad-Band Aerial Communication. *Liu, M., +, TVT Jan. 2020 593-606*

Location Based Joint Spectrum Sensing and Radio Resource Allocation in Cognitive Radio Enabled LTE-U Systems. *Yang, Q., +, TVT March 2020 2967-2979*

Ethical aspects

Ethical Decision-Making Platform in Autonomous Vehicles With Lexicographic Optimization Based Model Predictive Controller. *Wang, H., +, TVT Aug. 2020 8164-8175*

Evolutionary computation

A Novel Hybrid Neural Network-Based Multirobot Path Planning With Motion Coordination. *Pradhan, B., +, TVT Feb. 2020 1319-1327*

Energy-Efficient Analog Combiner Design Using Low-Resolution Phase Shifters and Antenna Selection for mmWave D2D Communications. *Chen, J., TVT Nov. 2020 13979-13984*

Ethical Decision-Making Platform in Autonomous Vehicles With Lexicographic Optimization Based Model Predictive Controller. *Wang, H., +, TVT Aug. 2020 8164-8175*

Joint 3D Trajectory Design and Time Allocation for UAV-Enabled Wireless Power Transfer Networks. *Feng, W., +, TVT Sept. 2020 9265-9278*

Leveraging Dynamic Stackelberg Pricing Game for Multi-Mode Spectrum Sharing in 5G-VANET. *Qian, B., +, TVT June 2020 6374-6387*

Load Balance and Trajectory Design in Multi-UAV Aided Large-Scale Wireless Rechargeable Networks. *Wu, P., +, TVT Nov. 2020 13756-13767*

Multiobjective Beamforming Power Control for Robust SINR Target Tracking and Power Efficiency in Multicell MU-MIMO Wireless System. *Chen, W., +, TVT June 2020 6200-6214*

Research on Equivalent Factor Boundary of Equivalent Consumption Minimization Strategy for PHEVs. *Li, J., +, TVT June 2020 6011-6024*

Scalable Panoramic Wireless Video Streaming Relying on Optimal-Rate FEC-Coded Adaptive QAM. *Zhang, Y., +, TVT Oct. 2020 11206-11219*

Self-Adaptive Hyper-Heuristic Markov Chain Evolution for Generating Vehicle Multi-Parameter Driving Cycles. *Zhang, M., +, TVT June 2020 6041-6052*

Excavators

An Orientation Navigation Approach Based on INS and Odometer Integration for Underground Unmanned Excavating Machine. *Han, S., +, TVT Oct. 2020 10772-10786*

Expectation-maximization algorithms

A Speed Adaptive Joint Subcarrier and Power Allocation Technique for Downlink OFDMA Video Transmission Over Doubly Selective Channels. *Raphel, F., +, TVT Feb. 2020 1879-1887*

Capturing the Sparsity and Tracking the Channels for Massive MIMO Networks. *Mohammed, A., +, TVT Jan. 2020 685-699*

Joint Compensation of Transmitter and Receiver I/Q Imbalances for SC-FDE Systems. *Cheng, X., +, TVT Aug. 2020 8483-8498*

Exponential distribution

Partial Packet Duplication: Control of Fade and Non-Fade Duration Outages Using Matrix Exponential Distributions. *Tekinay, M., +, TVT May 2020 5652-5656*

F

Face recognition

Tsarray: An Intelligent Access Control System Using Backscatter Communication. *Chen, Y., +, TVT Nov. 2020 13821-13835*

Fading

Mobile Edge Computing via Wireless Power Transfer Over Multiple Fading Blocks: An Optimal Stopping Approach. *Gu, Q., +, TVT Sept. 2020 10348-10361*

Twin-Timescale Radio Resource Management for Ultra-Reliable and Low-Latency Vehicular Networks. *Yang, H., +, TVT Jan. 2020 1023-1036*

Fading channels

A Restless MAB-Based Index Policy for UL Pilot Allocation in Massive MIMO Over Gauss-Markov Fading Channels. *Yang, F., +, TVT March 2020 3034-3047*

Accumulated Polar Feature-Based Deep Learning for Efficient and Lightweight Automatic Modulation Classification With Channel Compensation Mechanism. *Teng, C., +, TVT Dec. 2020 15472-15485*

Adaptive Federated Learning With Gradient Compression in Uplink NOMA. *Sun, H., +, TVT Dec. 2020 16325-16329*

Analysis of MRC With η - μ Co-Channel Interference. *Srinivasan, M., +, TVT Jan. 2020 738-745*

Bit Error Probability of MQAM in the Presence of Phase Noise. *Jafari, H., +, TVT Dec. 2020 14918-14931*

Blind Modulation Classification for Asynchronous OFDM Systems Over Unknown Signal Parameters and Channel Statistics. *Gupta, R., +, TVT May 2020 5281-5292*

Comprehensive Effects of Imperfect Synchronization and Channel Estimation on Known Interference Cancellation. *Guo, W., +, TVT Jan. 2020 457-470*

Correlation-Based Cooperative Jamming to Enhance Secrecy With Receiver-Side Correlation. *Xu, S., +, TVT Feb. 2020 1903-1912*

Deep Reinforcement Learning-Based Resource Allocation and Power Control in Small Cells With Limited Information Exchange. *Jang, J., +, TVT Nov. 2020 13768-13783*

Delay Violation Probability and Effective Rate of Downlink NOMA Over α - μ Fading Channels. *Kumar, V., +, TVT Oct. 2020 11241-11252*

Detection Algorithm for Single-Carrier Spatial Modulation Signals in Frequency-Selective Fading Channels. *Lai, K., +, TVT Nov. 2020 13341-13356*

Detection Performance to Spatially Random UAV Using the Ground Vehicle. *Wang, K., +, TVT Dec. 2020 16320-16324*

Direct Data Detection of OFDM Signals Over Wireless Channels. *Saci, A., +, TVT Nov. 2020 12432-12448*

Distributed Utility Optimization in Vehicular Communication Systems. *Diaz-Ibarra, M.A., +, TVT Oct. 2020 11992-12003*

Energy Optimization For Hybrid ARQ With Turbo Coding: Rate Adaptation and Allocation. *Zhang, B., +, TVT Oct. 2020 11338-11352*

Error Probability of M-Phase Signaling With Phase Noise Over Fading Channels. *Silva, P.E.G., +, TVT June 2020 6766-6770*

Experimentally Analyzing Diverse Antenna Placements and Orientations for UAV Communications. *Badi, M., +, TVT Dec. 2020 14989-15004*

Game Theory-Based Multi-Objective Optimization Interference Alignment Algorithm for HSR 5G Heterogeneous Ultra-Dense Network. *Sheng, J., +, TVT Nov. 2020 13371-13382*

GPS L1CA/BDS B1I Multipath Channel Measurements and Modeling for Dynamic Land Vehicle in Shanghai Dense Urban Area. *Chen, X., +, TVT Dec. 2020 14247-14263*

Impact of Intra-Cluster Angular Spread on the Performance of NLoS Millimeter Wave Links With Imperfect Beam Alignment. *Kutty, S., +, TVT Feb. 2020 1813-1827*

Iterative Processing Structure for the Single-Channel Mixture of Digital-Modulated Adjacent-Frequency Source Signals. *Yang, Y., +, TVT Feb. 2020 1639-1650*

Joint Channel Estimation and Precoding for Faster-Than-Nyquist Signaling. *Li, Q., +, TVT Nov. 2020 13139-13147*

- Joint Resource Allocation and Computation Offloading With Time-Varying Fading Channel in Vehicular Edge Computing. *Li, S.*, +, *TVT March 2020 3384-3398*
- Kalman Filter Based Recursive Estimation of Slowly Fading Sparse Channel in Impulsive Noise Environment for OFDM Systems. *Lu, X.*, +, *TVT March 2020 2828-2835*
- Multiple CFOs Estimation and Implementation of SC-FDMA Uplink System Using Oversampling and Iterative Method. *Kumar, S.*, +, *TVT June 2020 6254-6263*
- On Bandwidth Constrained Distributed Detection of a Known Signal in Correlated Gaussian Noise. *Maleki, N.*, +, *TVT Oct. 2020 11428-11444*
- On NOMA-Based mmWave Communications. *Tian, Y.*, +, *TVT Dec. 2020 15398-15411*
- On the Effective Rate and Energy Detection Based Spectrum Sensing Over α - η - κ - μ Fading Channels. *Al-Hmood, H.*, +, *TVT Aug. 2020 9112-9116*
- Partial Packet Duplication: Control of Fade and Non-Fade Duration Outages Using Matrix Exponential Distributions. *Tekinay, M.*, +, *TVT May 2020 5652-5656*
- Performance Analysis of Downlink NOMA Systems Over κ - μ Shadowed Fading Channels. *EIHalawany, B.M.*, +, *TVT Jan. 2020 1046-1050*
- Pilot Length and Channel Estimation for Massive MIMO IoT Systems. *Yan, H.*, +, *TVT Dec. 2020 15532-15544*
- Resource Allocation for Intelligent Reflecting Surface Aided Vehicular Communications. *Chen, Y.*, +, *TVT Oct. 2020 12321-12326*
- Selection Combining Over Double α - μ Fading Channels. *Badarneh, O.S.*, +, *TVT March 2020 3444-3448*
- Short-Term Power Constrained Cell-Free Massive-MIMO Over Spatially Correlated Ricean Fading. *Femenias, G.*, +, *TVT Dec. 2020 15200-15215*
- Spectral Efficiency of Multi-Hop Millimeter Wave Networks Using N^{th} Best Relay Routing Technique. *Ibrahim, M.*, +, *TVT Sept. 2020 9951-9959*
- Statistical Energy Efficiency Characterization for Wireless Transmission Over Fading Channels. *Yang, H.*, +, *TVT Nov. 2020 13947-13951*
- Theoretical Throughput Analysis for Massive Random Access With Spatial Successive Decoding. *Li, P.*, +, *TVT July 2020 7998-8002*
- Transient Performance Limits for Ultra-Reliable Low-Latency Communications Over Fading Channels. *Yang, H.*, +, *TVT Nov. 2020 13970-13973*
- UAV-Enabled NOMA Networks Analysis With Selective Incremental Relaying and Imperfect CSI. *Guo, C.*, +, *TVT Dec. 2020 16276-16281*
- Failure analysis**
- Current and Voltage Harmonics in the Powertrain of Electric Vehicles. *Sagert, C.*, +, *TVT Oct. 2020 10736-10749*
- On Multi-Hop Short-Packet Communications: Recoding or End-to-End Fountain Coding?. *Li, Y.*, +, *TVT Aug. 2020 9229-9233*
- Particle-Filtering-Based Prognostics for the State of Maximum Power Available in Lithium-Ion Batteries at Electromobility Applications. *Diaz, C.*, +, *TVT July 2020 7187-7200*
- Wireless Power Transfer Based Adaptive Relaying With Energy Accumulation. *Zhai, C.*, +, *TVT Oct. 2020 11014-11027*
- Fans**
- An Online Self Cold Startup Methodology for PEM Fuel Cells in Vehicular Applications. *Amamou, A.*, +, *TVT Dec. 2020 14160-14172*
- Time-Dependent Performance Analysis of the 802.11p-Based Platooning Communications Under Disturbance. *Wu, Q.*, +, *TVT Dec. 2020 15760-15773*
- Fast Fourier transforms**
- Concurrent OFDM Demodulation and Turbo Decoding for Ultra Reliable Low Latency Communication. *Xiang, L.*, +, *TVT Feb. 2020 1281-1290*
- Detection Algorithm for Single-Carrier Spatial Modulation Signals in Frequency-Selective Fading Channels. *Lai, K.*, +, *TVT Nov. 2020 13341-13356*
- Efficient Design of Selective Mapping and Partial Transmit Sequence Using T-OFDM. *Ahmed, M.S.*, +, *TVT March 2020 2636-2648*
- Non-Redundant OFDM Receiver Windowing for 5G Frames and Beyond. *Pekoz, B.*, +, *TVT Jan. 2020 676-684*
- Fasteners**
- Mechanical Design and Analysis of a High-Torque Modular Hybrid Excitation Synchronous Machine for Electric Vehicle Propulsion Applications. *Wang, C.*, +, *TVT Sept. 2020 9624-9633*
- Fault diagnosis**
- A Multi-Dimension End-to-End CNN Model for Rotating Devices Fault Diagnosis on High-Speed Train Bogie. *Kou, L.*, +, *TVT March 2020 2513-2524*
- Active Fault Diagnosis Method for Vehicles in Platoon Formation. *Lopes, A.*, +, *TVT April 2020 3590-3603*
- An On-Line Multiple Open-Circuit Fault Diagnostic Technique for Railway Vehicle Air-Conditioning Inverters. *Li, K.*, +, *TVT July 2020 7026-7039*
- Data-Driven Incipient Fault Detection and Diagnosis for the Running Gear in High-Speed Trains. *Cheng, C.*, +, *TVT Sept. 2020 9566-9576*
- Edge Computing-Aided Framework of Fault Detection for Traction Control Systems in High-Speed Trains. *Chen, H.*, +, *TVT Feb. 2020 1309-1318*
- Faulty Characteristics and Identification of Increased Connecting and Internal Resistance in Parallel-Connected Lithium-Ion Battery Pack for Electric Vehicles. *Ma, M.*, +, *TVT Oct. 2020 10797-10808*
- Sensor Fault Detection and Isolation Using a Support Vector Machine for Vehicle Suspension Systems. *Jeong, K.*, +, *TVT April 2020 3852-3863*
- Torque Ripple Minimization for Inter-Turn Short-Circuit Fault Based on Open-Winding Five Phase FTFSCW-IPM Motor for Electric Vehicle Application. *Fan, Y.*, +, *TVT Jan. 2020 282-292*
- Fault tolerance**
- PARC: Placement Availability Resilient Controller Scheme for Software-Defined Datacenters. *Chaudhary, R.*, +, *TVT Aug. 2020 8985-9001*
- Torque Ripple Minimization for Inter-Turn Short-Circuit Fault Based on Open-Winding Five Phase FTFSCW-IPM Motor for Electric Vehicle Application. *Fan, Y.*, +, *TVT Jan. 2020 282-292*
- Fault tolerant computing**
- Error-Tolerant Computation for Voting Classifiers With Multiple Classes. *Liu, S.*, +, *TVT Nov. 2020 13718-13727*
- Fault tolerant control**
- Dynamic Output Feedback Fault Tolerant Control for Unmanned Underwater Vehicles. *Wang, X.*, +, *TVT April 2020 3693-3702*
- Neural Networks-Based Sliding Mode Fault-Tolerant Control for High-Speed Trains With Bounded Parameters and Actuator Faults. *Dong, H.*, +, *TVT Feb. 2020 1353-1362*
- Feature extraction**
- A Multi-Dimension End-to-End CNN Model for Rotating Devices Fault Diagnosis on High-Speed Train Bogie. *Kou, L.*, +, *TVT March 2020 2513-2524*
- A Novel Deep Learning and Polar Transformation Framework for an Adaptive Automatic Modulation Classification. *Ghasemzadeh, P.*, +, *TVT Nov. 2020 13243-13258*
- A Real-Time Collision Prediction Mechanism With Deep Learning for Intelligent Transportation System. *Wang, X.*, +, *TVT Sept. 2020 9497-9508*
- Abnormal Driving Detection With Normalized Driving Behavior Data: A Deep Learning Approach. *Hu, J.*, +, *TVT July 2020 6943-6951*
- Accumulated Polar Feature-Based Deep Learning for Efficient and Lightweight Automatic Modulation Classification With Channel Compensation Mechanism. *Teng, C.*, +, *TVT Dec. 2020 15472-15485*
- Accurate Image-Based Pedestrian Detection With Privacy Preservation. *Yang, H.*, +, *TVT Dec. 2020 14494-14509*
- An Accurate Device-Free Action Recognition System Using Two-Stream Network. *Sheng, B.*, +, *TVT July 2020 7930-7939*
- Automatic Modulation Classification Using CNN-LSTM Based Dual-Stream Structure. *Zhang, Z.*, +, *TVT Nov. 2020 13521-13531*
- Blind Modulation Classification for Asynchronous OFDM Systems Over Unknown Signal Parameters and Channel Statistics. *Gupta, R.*, +, *TVT May 2020 5281-5292*
- Bundle Adjustment for Monocular Visual Odometry Based on Detections of Traffic Signs. *Zhang, Y.*, +, *TVT Jan. 2020 151-162*
- Complex ResNet Aided DoA Estimation for Near-Field MIMO Systems. *Cao, Y.*, +, *TVT Oct. 2020 11139-11151*
- Conditional Weighted Ensemble of Transferred Models for Camera Based Onboard Pedestrian Detection in Railway Driver Support Systems. *Toprak, T.*, +, *TVT May 2020 5041-5054*
- Detecting Motion Blurred Vehicle Logo in IoV Using Filter-DeblurGAN and VL-YOLO. *Zhou, L.*, +, *TVT April 2020 3604-3614*

- Early Recognition of Driving Intention for Lane Change Based on Recurrent Hidden Semi-Markov Model. *Liu, Q., +, TVT Oct. 2020 10545-10557*
- Edge Computing-Based Collaborative Vehicles 3D Mapping in Real Time. *Wen, S., +, TVT Nov. 2020 12470-12481*
- Extracting Human-Like Driving Behaviors From Expert Driver Data Using Deep Learning. *Sama, K., +, TVT Sept. 2020 9315-9329*
- Gait Learning Based Authentication for Intelligent Things. *Zhang, H., +, TVT April 2020 4450-4459*
- Intelligent and Reliable Deep Learning LSTM Neural Networks-Based OFDM-DCSK Demodulation Design. *Zhang, L., +, TVT Dec. 2020 16163-16167*
- JRNet: Jamming Recognition Networks for Radar Compound Suppression Jamming Signals. *Qu, Q., +, TVT Dec. 2020 15035-15045*
- Multi-Feature Fusion Based Recognition and Relevance Analysis of Propagation Scenes for High-Speed Railway Channels. *Zhou, T., +, TVT Aug. 2020 8107-8118*
- Multi-Path Deep CNNs for Fine-Grained Car Recognition. *Wang, H., +, TVT Oct. 2020 10484-10493*
- Multi-Variations Activity Based Gaits Recognition Using Commodity WiFi. *Fei, H., +, TVT Feb. 2020 2263-2273*
- Real-Time Single-Stage Vehicle Detector Optimized by Multi-Stage Image-Based Online Hard Example Mining. *Lin, C., +, TVT Feb. 2020 1505-1518*
- Semisupervised PCA Convolutional Network for Vehicle Type Classification. *Soon, F.C., +, TVT Aug. 2020 8267-8277*
- Sparingly Connected CNN for Efficient Automatic Modulation Recognition. *Tunze, G.B., +, TVT Dec. 2020 15557-15568*
- Vehicle Detection and Classification Using Distributed Fiber Optic Acoustic Sensing. *Liu, H., +, TVT Feb. 2020 1363-1374*
- Vision-Based Vehicle Detection for VideoSAR Surveillance Using Low-Rank Plus Sparse Three-Term Decomposition. *Zhang, Y., +, TVT May 2020 4711-4726*

Feature selection

- Learning to Branch: Accelerating Resource Allocation in Wireless Networks. *Lee, M., +, TVT Jan. 2020 958-970*

Feedback

- A Deep Learning Framework for Hybrid Beamforming Without Instantaneous CSI Feedback. *Elbir, A.M., TVT Oct. 2020 11743-11755*
- A Fully Distributed and Clustered Learning of Power Control in User-Centric Ultra-Dense HetNets. *Makhanbet, M., +, TVT Oct. 2020 11529-11543*
- A Mechatronic Brake Booster for Electric Vehicles: Design, Control, and Experiment. *Wu, J., +, TVT July 2020 7040-7053*
- A Reinforcement Learning-Based Adaptive Path Tracking Approach for Autonomous Driving. *Shan, Y., +, TVT Oct. 2020 10581-10595*
- Autonomous Tracking Using a Swarm of UAVs: A Constrained Multi-Agent Reinforcement Learning Approach. *Chen, Y., +, TVT Nov. 2020 13702-13717*
- Broad Echo State Network for Channel Prediction in MIMO-OFDM Systems. *Sui, Y., +, TVT Nov. 2020 13383-13399*
- Design and Analysis of CQI Feedback Reduction Mechanism for Adaptive Multicast IPTV in Wireless Cellular Networks. *Li, M., +, TVT Feb. 2020 2008-2020*
- Distributed Utility Optimization in Vehicular Communication Systems. *Diaz-Ibarra, M.A., +, TVT Oct. 2020 11992-12003*
- Dynamic Output Feedback Fault Tolerant Control for Unmanned Underwater Vehicles. *Wang, X., +, TVT April 2020 3693-3702*
- Energy-Efficient Speed Control of Electric Vehicles: Linear Matrix Inequality Approach. *Veysi, M., +, TVT Oct. 2020 10469-10483*
- Hybrid Precoder Design With Minimum-Subspace-Distortion Quantization in Multiuser mmWave Communications. *Ni, Z., +, TVT Oct. 2020 11055-11065*
- Multi-User Linear Precoding in Massively Distributed Polarized Antenna Systems Under Imperfect CSIT. *Park, J., +, TVT May 2020 5268-5280*
- On the Design of Yaw Rate Control via Variable Front-to-Total Anti-Roll Moment Distribution. *Ricco, M., +, TVT Feb. 2020 1388-1403*
- On the Multiplexing of Data and Metadata for Ultra-Reliable Low-Latency Communications in 5G. *Karimi, A., +, TVT Oct. 2020 12136-12147*

- Semi-Blind Post-Equalizer SINR Estimation and Dual CSI Feedback for Radar-Cellular Coexistence. *Rao, R.M., +, TVT Sept. 2020 9720-9735*
- Subchannel Allocation Based on Clustered Interference Alignment for Differentiated Data Streams in Dense Small Cell Networks. *Zhang, H., +, TVT Nov. 2020 14049-14054*
- Variable-Performance Servo System Design Without Actuator Current and Angle Measurement for Rover Vehicles. *Kim, S., +, TVT Nov. 2020 12725-12733*

Feedforward

- A Mechatronic Brake Booster for Electric Vehicles: Design, Control, and Experiment. *Wu, J., +, TVT July 2020 7040-7053*
- Adaptive Feed-Forward Control of the Clutch Filling Phase for Wet Dual Clutch Transmission. *Jung, S., +, TVT Sept. 2020 9577-9588*
- Maximum Torque Per Ampere (MTPA) Control of IPMSM Systems Based on Controller Parameters Self-Modification. *Wang, H., +, TVT March 2020 2613-2620*
- On the Design of Yaw Rate Control via Variable Front-to-Total Anti-Roll Moment Distribution. *Ricco, M., +, TVT Feb. 2020 1388-1403*
- Synthesis of Cooperative Adaptive Cruise Control With Feedforward Strategies. *Zhu, Y., +, TVT April 2020 3615-3627*
- Torque Ripple Minimization for Inter-Turn Short-Circuit Fault Based on Open-Winding Five Phase FTFSCW-IPM Motor for Electric Vehicle Application. *Fan, Y., +, TVT Jan. 2020 282-292*

Feedforward neural networks

- A Novel Hybrid Neural Network-Based Multirobot Path Planning With Motion Coordination. *Pradhan, B., +, TVT Feb. 2020 1319-1327*

Femtocellular radio

- A Trade-Off Between Energy Efficiency and Spectral Efficiency in Macro-Femtocell Networks. *Ghosh, J., TVT Oct. 2020 10914-10924*
- An Energy-Efficient Resource Allocation Scheme for SWIPT-NOMA Based Femtocells Users With Imperfect CSI. *Budhiraja, I., +, TVT July 2020 7790-7805*
- Decentralized Learning Based Indoor Interference Mitigation for 5G-and-Beyond Systems. *Wang, Y., +, TVT Oct. 2020 12124-12135*
- Joint Frequency and Power Control for Self-Organizing OFDMA Femtocell Networks. *Sevim, O., +, TVT May 2020 5089-5101*
- Mobility-Aware Femtocaching Algorithm in D2D Networks Based on Handover. *HajiAkhondi-Meybodi, Z., +, TVT Sept. 2020 10188-10201*
- Rate Maximization for Hybrid Access Femtocell Networks With Outage Constraints Based on Pricing Incentive Mechanism. *Liu, Z., +, TVT June 2020 6699-6708*

Fiber optic sensors

- Vehicle Detection and Classification Using Distributed Fiber Optic Acoustic Sensing. *Liu, H., +, TVT Feb. 2020 1363-1374*

Field buses

- Highly Efficient Authentication for CAN by Identifier Reallocation With Ordered CMACs. *Groza, B., +, TVT June 2020 6129-6140*

Field programmable gate arrays

- Accelerating Parallel Jacobi Method for Matrix Eigenvalue Computation in DOA Estimation Algorithm. *Shi, Z., +, TVT June 2020 6275-6285*
- Efficient Hardware for Generalized Turbo Signal Recovery in Compressed Sensing. *Zhang, C., +, TVT Feb. 2020 1245-1256*
- Efficient Pre-Conditioned Descent Search Detector for Massive MU-MIMO. *Zhang, C., +, TVT May 2020 4663-4676*
- FPGA Implementation of Real-Time Pedestrian Detection Using Normalization-Based Validation of Adaptive Features Clustering. *Li, T., +, TVT Sept. 2020 9330-9341*
- LTE Signal Detector for LSA Spectrum Sharing Model in Portugal. *Milheiro, J., +, TVT Dec. 2020 15127-15136*
- Spectral Coexistence of LDACS and DME: Analysis via Hardware Software Co-Design in Presence of Real Channels and RF Impairments. *Agrawal, N., +, TVT Sept. 2020 9837-9848*
- Towards Massive MIMO Channel Emulation: Channel Accuracy Versus Implementation Resources. *Huang, P., +, TVT May 2020 4635-4651*

Filtering theory

- Data-Driven Interference Localization Using a Single Satellite Based on Received Signal Strength. *Shen, Z., +, TVT Aug. 2020 8657-8669*

Detection Algorithm for Single-Carrier Spatial Modulation Signals in Frequency-Selective Fading Channels. *Lai, K., +, TVT Nov. 2020 13341-13356*

Efficient DOA Estimation Method Using Bias-Compensated Adaptive Filtering. *Liu, C., +, TVT Nov. 2020 13087-13097*

Heterophasic Binaural Differential Beamforming for Speech Intelligibility Improvement. *Jin, J., +, TVT Nov. 2020 13497-13509*

MIMO Radar Transmit–Receive Design for Moving Target Detection in Signal-Dependent Clutter. *Yu, X., +, TVT Jan. 2020 522-536*

Robust \mathcal{H}_∞ Filtering for Vehicle Sideslip Angle With Quantization and Data Dropouts. *Chang, X., +, TVT Oct. 2020 10435-10445*

SINR Analysis of Different OFDM-Inspired Waveforms Over Doubly Dispersive Channels. *Wang, X., +, TVT Sept. 2020 9459-9468*

Target Tracking Algorithm for System With Gaussian/Non-Gaussian Multiplicative Noise. *Yu, X., +, TVT Jan. 2020 90-100*

Finite difference methods

A Timesaving Transient Magneto-Thermal Coupling Model for the Eddy Current Brake. *Tian, J., +, TVT Oct. 2020 10832-10841*

Finite element analysis

A New Parallel-Hybrid-Excited Permanent-Magnet Machine With Harmonic-Differential Effect for Electric Vehicles. *Cao, L., +, TVT Nov. 2020 12734-12750*

A Novel Dual-Permanent-Magnet-Excited Machine With Non-Uniformly Distributed Permanent-Magnets and Flux Modulation Poles on the Stator. *Xu, L., +, TVT July 2020 7104-7115*

A Single-Phase On-Board Two-Stage Integrated Battery Charger for EVs Based on a Five-Phase Hybrid-Excitation Flux-Switching Machine. *Tong, M., +, TVT April 2020 3793-3804*

An Improved Mutual Inductance Electromagnetic Model for Inductive Power Transfer Systems Under Misalignment Conditions. *Oliveira, R., +, TVT June 2020 6079-6093*

Assessment of the High-Frequency Response in Railway Pantograph-Catenary Interaction Based on Numerical Simulation. *Song, Y., +, TVT Oct. 2020 10596-10605*

Consequent Pole Permanent Magnet Machine With Modular Stator. *Wang, K., +, TVT July 2020 7054-7063*

Design and Testing of Low Pole Dual-Stator Flux-Switching Permanent Magnet Machine for Electric Vehicle Applications. *Liu, M., +, TVT Feb. 2020 1464-1472*

Design of Axial Flux Induction Motor With Reduced Back Iron for Electric Vehicles. *Mei, J., +, TVT Jan. 2020 293-301*

Dynamic Performance of High-Speed Railway Overhead Contact Line Interacting With Pantograph Considering Local Dropper Defect. *Song, Y., +, TVT June 2020 5958-5967*

Effective Measures to Improve Current Collection Quality for Double Pantographs and Catenary Based on Wave Propagation Analysis. *Xu, Z., +, TVT June 2020 6299-6309*

Energy-Efficient Eco-Friendly Zero-Holding-Energy Magnetic Contactor for Industrial and Vehicular Applications. *Gabdullin, N., +, TVT May 2020 5000-5011*

Mechanical Design and Analysis of a High-Torque Modular Hybrid Excitation Synchronous Machine for Electric Vehicle Propulsion Applications. *Wang, C., +, TVT Sept. 2020 9624-9633*

Mechanism Investigation of Ring Type Winding in Linear Permanent Magnet Vernier Machine for Improving Force Density. *Bian, F., +, TVT March 2020 2588-2597*

Modeling and Optimizing Method for Axial Flux Induction Motor of Electric Vehicles. *Mei, J., +, TVT Nov. 2020 12822-12831*

Structural Design and Analysis of a High Reliability Multi-Turn Wound-Rotor Resolver for Electric Vehicle. *Saneie, H., +, TVT May 2020 4992-4999*

Torque Improvement in Dual M -Phase Permanent-Magnet Machines by Phase Shift for Electric Ship Applications. *Sun, Y., +, TVT Sept. 2020 9601-9612*

Finite state machines

An Adaptive State Machine Based Energy Management Strategy for a Multi-Stack Fuel Cell Hybrid Electric Vehicle. *Macias Fernandez, A., +, TVT Jan. 2020 220-234*

FM radar

Multi-Target Device-Free Wireless Sensing Based on Multiplexing Mechanisms. *Wang, J., +, TVT Sept. 2020 10242-10251*

Phase-Coded FMCW Automotive Radar: System Design and Interference Mitigation. *Uysal, F., TVT Jan. 2020 270-281*

Super Resolution DOA Based on Relative Motion for FMCW Automotive Radar. *Zhang, W., +, TVT Aug. 2020 8698-8709*

Force

Active Braking Control of Electric Vehicles to Achieve Maximal Friction Based on Fast Extremum-Seeking and Reachability. *Xu, Q., +, TVT Dec. 2020 14869-14883*

Design and Experimental Evaluations on Energy-Efficient Control for 4WIMD-EVs Considering Tire Slip Energy. *Zhao, B., +, TVT Dec. 2020 14631-14644*

Modeling of Complex Planetary Gear Sets Using Power-Oriented Graphs. *Zanasi, R., +, TVT Dec. 2020 14470-14483*

Vibration Optimization of FSCW-IPM Motor Based on Iron-Core Modification for Electric Vehicles. *Wu, Z., +, TVT Dec. 2020 14834-14845*

Force sensors

A Mechatronic Brake Booster for Electric Vehicles: Design, Control, and Experiment. *Wu, J., +, TVT July 2020 7040-7053*

Forecasting theory

EnLSTM-WPEO: Short-Term Traffic Flow Prediction by Ensemble LSTM, NNCT Weight Integration, and Population Extremal Optimization. *Zhao, F., +, TVT Jan. 2020 101-113*

Forward error correction

An Adaptive BLAST Successive Interference Cancellation Method for High Data Rate Perfect Space-Time Coded MIMO Systems. *Grabner, M.J., +, TVT Feb. 2020 1542-1553*

Energy Optimization For Hybrid ARQ With Turbo Coding: Rate Adaptation and Allocation. *Zhang, B., +, TVT Oct. 2020 11338-11352*

Optimal-Power Superposition Modulation for Scalable Video Broadcasting. *Zhang, Y., +, TVT Dec. 2020 16230-16234*

Optimizing Live Layered Video Multicasting Over LTE With Mobile Edge Computing. *Hwang, R., +, TVT Oct. 2020 12072-12084*

Scalable Panoramic Wireless Video Streaming Relying on Optimal-Rate FEC-Coded Adaptive QAM. *Zhang, Y., +, TVT Oct. 2020 11206-11219*

Fourier transforms

Hypersonic Target Detection and Velocity Estimation in Coherent Radar System Based on Scaled Radon Fourier Transform. *Sun, Z., +, TVT June 2020 6525-6540*

Free-space optical communication

3D Drone Base Station Placement and Resource Allocation With FSO-Based Backhaul in Hotspots. *Zhang, S., +, TVT March 2020 3322-3329*

Channel Modelling and Performance Limits of Vehicular Visible Light Communication Systems. *Karbalayghareh, M., +, TVT July 2020 6891-6901*

Cross-Media Communications With Decode-and-Forward Relay and Optimal Power Allocation. *Li, Y., +, TVT Aug. 2020 9201-9205*

Design and Performance Analysis of LED-Grouping Based Spatial Modulation in the Visible Light Communication System. *Gao, X., +, TVT July 2020 7317-7324*

Generalized MGF of Inverse Gaussian Distribution With Applications to Wireless Communications. *Gong, J., +, TVT Feb. 2020 2332-2336*

Low Complexity Least Minimum Symbol Error Rate Based Post-Distortion for Vehicular VLC. *Mitra, R., +, TVT Oct. 2020 11800-11810*

Mixed RF-VLC Relaying Systems for Interference-Sensitive Mobile Applications. *Petkovic, M.I., +, TVT Oct. 2020 11099-11111*

Multidimensional Multilayer Modulation for Broadcast UVLC With Photon Detectors. *Si-Ma, L., +, TVT June 2020 6437-6451*

On the Performance Analysis of Higher Order QAM Schemes Over Mixed RF/FSO Systems. *Singya, P.K., +, TVT July 2020 7366-7378*

Outage of Cognitive Electric Vehicle Networks Over Mixed RF/VLC Channels With Signal-Dependent Noise and Imperfect CSI. *Nauryzbayev, G., +, TVT June 2020 6828-6832*

Secure Index-Modulation Based Hybrid Free Space Optical and Millimeter Wave Links. *Althunibat, S., +, TVT June 2020 6325-6332*

Frequency allocation

A Resource Sharing Scheme for Intercell D2D Communication in Cellular Networks: A Repeated Game Theoretic Approach. *Barik, P.K.*, +, *TVT July 2020 7806-7820*

Efficient Resource Allocation and Power Control for LTE-A D2D Communication With Pure D2D Model. *Lai, W.*, +, *TVT March 2020 3202-3216*

FFR Based Joint 3D Beamforming Interference Coordination for Multi-Cell FD-MIMO Downlink Transmission Systems. *Li, X.*, +, *TVT March 2020 3105-3118*

Joint Frequency and Power Control for Self-Organizing OFDMA Femtocell Networks. *Sevim, O.*, +, *TVT May 2020 5089-5101*

Pricing Based Distributed Traffic Allocation for 5G Heterogeneous Networks. *Passas, V.*, +, *TVT Oct. 2020 12111-12123*

Prospects of 60 GHz mmWave WBAN: A PHY-MAC Joint Approach. *Anjum, M.N.*, +, *TVT June 2020 6153-6164*

Uplink Performance Improvement for Downlink-Uplink Decoupled HetNets With Non-Uniform User Distribution. *Sun, K.*, +, *TVT July 2020 7518-7530*

Frequency control

An Adaptive Resilient Load Frequency Controller for Smart Grids With DoS Attacks. *Lu, K.*, +, *TVT May 2020 4689-4699*

Joint Frequency and Power Control for Self-Organizing OFDMA Femtocell Networks. *Sevim, O.*, +, *TVT May 2020 5089-5101*

Non-Cooperative and Cooperative Optimization of Scheduling With Vehicle-to-Grid Regulation Services. *Chen, X.*, +, *TVT Jan. 2020 114-130*

Frequency division multiple access

A Speed Adaptive Joint Subcarrier and Power Allocation Technique for Downlink OFDMA Video Transmission Over Doubly Selective Channels. *Raphel, F.*, +, *TVT Feb. 2020 1879-1887*

Approximate Gram-Matrix Interpolation for Wideband Massive MU-MIMO Systems. *Jeon, C.*, +, *TVT May 2020 4677-4688*

Joint Frequency and Power Control for Self-Organizing OFDMA Femtocell Networks. *Sevim, O.*, +, *TVT May 2020 5089-5101*

Joint Resource Management With Distributed Uplink Power Control in Full-Duplex OFDMA Networks. *Sultan, R.*, +, *TVT March 2020 2850-2863*

Joint User Pairing, Subchannel Assignment and Power Allocation in Cooperative Non-Orthogonal Multiple Access Networks. *Lamba, A.K.*, +, *TVT Oct. 2020 11790-11799*

Latency Minimization for D2D-Enabled Partial Computation Offloading in Mobile Edge Computing. *Saleem, U.*, +, *TVT April 2020 4472-4486*

Multiple CFOs Estimation and Implementation of SC-FDMA Uplink System Using Oversampling and Iterative Method. *Kumar, S.*, +, *TVT June 2020 6254-6263*

Resource Allocation and Basestation Placement in Downlink Cellular Networks Assisted by Multiple Wireless Powered UAVs. *Yin, S.*, +, *TVT Feb. 2020 2171-2184*

Statistical Modelling of Dynamic Interference Threshold and Its Effect on Network Capacity. *Kachroo, A.*, +, *TVT May 2020 5102-5114*

Frequency division multiplexing

Analysis of Self-Interference Cancellation Under Phase Noise, CFO, and IQ Imbalance in GFDM Full-Duplex Transceivers. *Mohammadian, A.*, +, *TVT Jan. 2020 700-713*

Deep Learning and Compressive Sensing-Based CSI Feedback in FDD Massive MIMO Systems. *Liang, P.*, +, *TVT Aug. 2020 9217-9222*

Robust Rate-Maximization Precoder Design for VFDMA System. *Liu, W.*, +, *TVT March 2020 2747-2757*

Virtual Angular-Domain Channel Estimation for FDD Based Massive MIMO Systems With Partial Orthogonal Pilot Design. *Zhao, P.*, +, *TVT May 2020 5164-5178*

Frequency estimation

Blind Fast CFO Estimation and Performance Analysis for OFDM. *Meng, Y.*, +, *TVT Oct. 2020 11501-11514*

Multiple CFOs Estimation and Implementation of SC-FDMA Uplink System Using Oversampling and Iterative Method. *Kumar, S.*, +, *TVT June 2020 6254-6263*

Frequency hop communication

Algebraic Construction of Optimal Frequency Hopping Patterns Based on Welch Costas Arrays. *Yao, J.*, +, *TVT Feb. 2020 1841-1854*

Frequency measurement

Localizing Spoofing Attacks on Vehicular GPS Using Vehicle-to-Vehicle Communications. *Sanders, C.*, +, *TVT Dec. 2020 15656-15667*

Proposed ITU-R Compatible Inter-Site and Inter-Sector Interference Models for LTE-Advanced Networks. *Ameen, A.S.*, +, *TVT Dec. 2020 14304-14315*

Frequency modulation

Space-Frequency Increment Index Modulation Approach for Fifth Generation and Beyond Wireless Communication Systems. *Nusenu, S.Y.*, +, *TVT June 2020 6286-6298*

Sparsely Connected CNN for Efficient Automatic Modulation Recognition. *Tunze, G.B.*, +, *TVT Dec. 2020 15557-15568*

Frequency response

Assessment of the High-Frequency Response in Railway Pantograph-Catenary Interaction Based on Numerical Simulation. *Song, Y.*, +, *TVT Oct. 2020 10596-10605*

Modelling and Vibration Analysis of a Parallel Hydraulic Hybrid Vehicle. *Zhou, S.*, +, *TVT Oct. 2020 10710-10723*

Wideband Ultrasonic Acoustic Underwater Channels: Measurements and Characterization. *Lopez-Fernandez, J.*, +, *TVT April 2020 4019-4032*

Frequency selective surfaces

Polarization and Frequency-Selective Surface for Vehicular Beamforming Communications Requiring Near-Zero Profile. *Youn, Y.*, +, *TVT Feb. 2020 1719-1726*

Frequency synchronization

Uplink Interference Analysis of F-OFDM Systems Under Non-Ideal Synchronization. *Chen, H.*, +, *TVT Dec. 2020 15500-15517*

Frequency-domain analysis

Downlink Sum-Rates of SC-FDP and OFDM Massive MIMO Systems in Doubly Dispersive Channels. *Mokhtari, Z.*, +, *TVT Aug. 2020 8065-8079*

Joint Channel Estimation and Precoding for Faster-Than-Nyquist Signaling. *Li, Q.*, +, *TVT Nov. 2020 13139-13147*

Reduced-Order Modeling and Design of Single-Stage LCL Compensated IPT System for Low Voltage Vehicle Charging Applications. *Feng, H.*, +, *TVT April 2020 3728-3739*

SINR Analysis of Different OFDM-Inspired Waveforms Over Doubly Dispersive Channels. *Wang, X.*, +, *TVT Sept. 2020 9459-9468*

Time-Domain vs. Frequency-Domain Equalization for FTN Signaling. *Li, S.*, +, *TVT Aug. 2020 9174-9179*

Friction

Active Braking Control of Electric Vehicles to Achieve Maximal Friction Based on Fast Extremum-Seeking and Reachability. *Xu, Q.*, +, *TVT Dec. 2020 14869-14883*

Capturing the Impact of Speed, Grade, and Traffic on Class 8 Truck Platoon-ing. *Taylor, A.H.*, +, *TVT Oct. 2020 10506-10518*

E-Clutch Torque Control Including Compensation of Thermal Expansion Effects. *Skugor, B.*, +, *TVT Jan. 2020 246-257*

IMU-Based Automated Vehicle Body Sideslip Angle and Attitude Estimation Aided by GNSS Using Parallel Adaptive Kalman Filters. *Xiong, L.*, +, *TVT Oct. 2020 10668-10680*

Modeling of Complex Planetary Gear Sets Using Power-Oriented Graphs. *Zanasi, R.*, +, *TVT Dec. 2020 14470-14483*

Rear-Steering Based Decentralized Control of Four-Wheel Steering Vehicle. *Wu, Y.*, +, *TVT Oct. 2020 10899-10913*

Robust Observer Based Intermittent Forces Estimation for Driver Intervention Identification. *Huang, C.*, +, *TVT April 2020 3628-3640*

Fuel cell vehicles

A High Voltage Gain DC-DC Converter With Common Grounding for Fuel Cell Vehicle. *Kumar, A.*, +, *TVT Aug. 2020 8290-8304*

A Novel High-Gain DC-DC Converter Applied in Fuel Cell Vehicles. *Wu, X.*, +, *TVT Nov. 2020 12763-12774*

An Adaptive State Machine Based Energy Management Strategy for a Multi-Stack Fuel Cell Hybrid Electric Vehicle. *Macias Fernandez, A.*, +, *TVT Jan. 2020 220-234*

Cost Minimization Strategy for Fuel Cell Hybrid Electric Vehicles Considering Power Sources Degradation. *Li, H., +, TVT Nov. 2020 12832-12842*

Current and Voltage Harmonics in the Powertrain of Electric Vehicles. *Sagert, C., +, TVT Oct. 2020 10736-10749*

Fuel cells

An Adaptive State Machine Based Energy Management Strategy for a Multi-Stack Fuel Cell Hybrid Electric Vehicle. *Macias Fernandez, A., +, TVT Jan. 2020 220-234*

An Online Self Cold Startup Methodology for PEM Fuel Cells in Vehicular Applications. *Amamou, A., +, TVT Dec. 2020 14160-14172*

Fuzzy Model Based Control for Energy Management and Optimization in Fuel Cell Vehicles. *Shen, D., +, TVT Dec. 2020 14674-14688*

Power Allocation Strategy Based on Decentralized Convex Optimization in Modular Fuel Cell Systems for Vehicular Applications. *Khalatbarisoltani, A., +, TVT Dec. 2020 14563-14574*

Fuel economy

A New Energy Management Strategy for Multimode Power-Split Hybrid Electric Vehicles. *Buccoliero, G., +, TVT Jan. 2020 172-181*

Aging-Aware Optimal Energy Management Control for a Parallel Hybrid Electric Vehicle Based on Electrochemical-Degradation Dynamics. *De Pascali, L., +, TVT Oct. 2020 10868-10878*

An Analysis of the Tradeoff Between Fuel Consumption and Ride Comfort for the Pulse and Glide Driving Strategy. *Sohn, C., +, TVT July 2020 7223-7233*

An ANFIS-Based ECMS for Energy Optimization of Parallel Hybrid Electric Bus. *Tian, X., +, TVT Feb. 2020 1473-1483*

Connected Vehicle Based Distributed Meta-Learning for Online Adaptive Engine/Powertrain Fuel Consumption Modeling. *Ma, X., +, TVT Sept. 2020 9553-9565*

Designing Multi-Mode Power Split Hybrid Electric Vehicles Using the Hierarchical Topological Graph Theory. *Pei, H., +, TVT July 2020 7159-7171*

Enhancing the Fuel-Economy of V2I-Assisted Autonomous Driving: A Reinforcement Learning Approach. *Liu, X., +, TVT Aug. 2020 8329-8342*

Fuel Minimization of the Electric Engine Cooling System With Active Grille Shutter by Iterative Quadratic Programming. *Feng, L., +, TVT March 2020 2621-2635*

Improving the Fuel Efficiency of Compact Wheel Loader With a Series Hydraulic Hybrid Powertrain. *Wen, Q., +, TVT Oct. 2020 10700-10709*

Joint Propulsion and Cooling Energy Management of Hybrid Electric Vehicles by Optimal Control. *Chen, B., +, TVT May 2020 4894-4906*

Low-Cost Reconstruction of Typical Driving Cycles Based on Empirical Information and Low-Frequency Speed Data. *Shi, S., +, TVT Aug. 2020 8221-8231*

Predictive Equivalent Consumption Minimization Strategy With Segmented Traffic Information. *Chen, D., +, TVT Dec. 2020 14377-14390*

Research on Equivalent Factor Boundary of Equivalent Consumption Minimization Strategy for PHEVs. *Li, J., +, TVT June 2020 6011-6024*

Fuels

Minimum-Fuel Energy Management of a Hybrid Electric Vehicle via Iterative Linear Programming. *Robuschi, N., +, TVT Dec. 2020 14575-14587*

Function approximation

Caching Placement and Resource Allocation for Cache-Enabling UAV NOMA Networks. *Zhang, T., +, TVT Nov. 2020 12897-12911*

Fuzzy control

Adaptive Washout Filter Based on Fuzzy Logic for a Motion Simulation Platform With Consideration of Joints' Limitations. *Chalak Qazani, M.R., +, TVT Nov. 2020 12547-12558*

Electric Vehicle Powertrain and Fuzzy Control Multi-Objective Optimization, Considering Dual Hybrid Energy Storage Systems. *Eckert, J.J., +, TVT April 2020 3773-3782*

Energy-Efficient Speed Control of Electric Vehicles: Linear Matrix Inequality Approach. *Veyssi, M., +, TVT Oct. 2020 10469-10483*

Estimation of Transmission Input&Output Shaft Torque and Drive Wheel Speed for Compound Power Split Powertrain Based on Unknown Input Observer. *Li, M., +, TVT May 2020 4883-4893*

Prepositioning of a Land Vehicle Simulation-Based Motion Platform Using Fuzzy Logic and Neural Network. *Qazani, M.R.C., +, TVT Oct. 2020 10446-10456*

Robust \mathcal{H}_∞ Filtering for Vehicle Sideslip Angle With Quantization and Data Dropouts. *Chang, X., +, TVT Oct. 2020 10435-10445*

Fuzzy logic

Adaptive Washout Filter Based on Fuzzy Logic for a Motion Simulation Platform With Consideration of Joints' Limitations. *Chalak Qazani, M.R., +, TVT Nov. 2020 12547-12558*

Edge Computing-Based Privacy-Preserving Authentication Framework and Protocol for 5G-Enabled Vehicular Networks. *Zhang, J., +, TVT July 2020 7940-7954*

Novel Fuzzy and Game Theory Based Clustering and Decision Making for VANETs. *Alsarhan, A., +, TVT Feb. 2020 1568-1581*

Fuzzy neural networks

An ANFIS-Based ECMS for Energy Optimization of Parallel Hybrid Electric Bus. *Tian, X., +, TVT Feb. 2020 1473-1483*

An Integrated Urban Positioning Algorithm Using Matching, Particle Swarm Optimized Adaptive Neuro Fuzzy Inference System and a Spatial City Model. *Sun, R., +, TVT May 2020 4842-4854*

Fuzzy reasoning

An ANFIS-Based ECMS for Energy Optimization of Parallel Hybrid Electric Bus. *Tian, X., +, TVT Feb. 2020 1473-1483*

An Integrated Urban Positioning Algorithm Using Matching, Particle Swarm Optimized Adaptive Neuro Fuzzy Inference System and a Spatial City Model. *Sun, R., +, TVT May 2020 4842-4854*

Fuzzy set theory

A Framework of Multipath Clustering Based on Space-Transformed Fuzzy c -Means and Data Fusion for Radio Channel Modeling. *Huang, Z., +, TVT Jan. 2020 4-15*

Dynamics-Constrained Global-Local Hybrid Path Planning of an Autonomous Surface Vehicle. *Wang, N., +, TVT July 2020 6928-6942*

Edge Computing-Based Privacy-Preserving Authentication Framework and Protocol for 5G-Enabled Vehicular Networks. *Zhang, J., +, TVT July 2020 7940-7954*

Novel Fuzzy and Game Theory Based Clustering and Decision Making for VANETs. *Alsarhan, A., +, TVT Feb. 2020 1568-1581*

Unified Biometric Privacy Preserving Three-Factor Authentication and Key Agreement for Cloud-Assisted Autonomous Vehicles. *Jiang, Q., +, TVT Sept. 2020 9390-9401*

Fuzzy systems

Robust \mathcal{H}_∞ Filtering for Vehicle Sideslip Angle With Quantization and Data Dropouts. *Chang, X., +, TVT Oct. 2020 10435-10445*

G

Gain

Frame Integrated Wideband Dual-Polarized Arrays for Mm-Wave/Sub 6-GHz Mobile Handsets and Its User Effects. *Li, H., +, TVT Dec. 2020 14330-14340*

Gait analysis

Gait Learning Based Authentication for Intelligent Things. *Zhang, H., +, TVT April 2020 4450-4459*

Multi-Variations Activity Based Gaits Recognition Using Commodity WiFi. *Fei, H., +, TVT Feb. 2020 2263-2273*

Gallium nitride

Optimal Pilot Power Based Channel Estimation Improves the Throughput of Intelligent Reflective Surface Assisted Systems. *An, J., +, TVT Dec. 2020 16202-16206*

Game theory

A Bayesian Game Based Vehicle-to-Vehicle Electricity Trading Scheme for Blockchain-Enabled Internet of Vehicles. *Xia, S., +, TVT July 2020 6856-6868*

A Blockchain-Based Framework for Lightweight Data Sharing and Energy Trading in V2G Network. *Hassija, V., +, TVT June 2020 5799-5812*

A Distributed Framework for Energy Trading Between UAVs and Charging Stations for Critical Applications. *Hassija, V., +, TVT May 2020 5391-5402*

A Fully Distributed and Clustered Learning of Power Control in User-Centric Ultra-Dense HetNets. *Makhanbet, M., +, TVT Oct. 2020 11529-11543*

A Nash Q-Learning Based Motion Decision Algorithm With Considering Interaction to Traffic Participants. *Xu, C., +, TVT Nov. 2020 12621-12634*

- A Parking Slot Allocation Framework Based on Virtual Voting and Adaptive Pricing Algorithm. *Hassija, V.*, +, *TVT June 2020 5945-5957*
- A Resource Sharing Scheme for Intercell D2D Communication in Cellular Networks: A Repeated Game Theoretic Approach. *Barik, P.K.*, +, *TVT July 2020 7806-7820*
- A Two-Stage Game Framework to Secure Transmission in Two-Tier UAV Networks. *Xu, M.*, +, *TVT Nov. 2020 13728-13740*
- An Adaptive Wireless Virtual Reality Framework in Future Wireless Networks: A Distributed Learning Approach. *Guo, F.*, +, *TVT Aug. 2020 8514-8528*
- An Integrated Framework of Decision Making and Motion Planning for Autonomous Vehicles Considering Social Behaviors. *Hang, P.*, +, *TVT Dec. 2020 14458-14469*
- Blockchain Meets Edge Computing: Stackelberg Game and Double Auction Based Task Offloading for Mobile Blockchain. *Guo, S.*, +, *TVT May 2020 5549-5561*
- Cloudlet-Based Intelligent Auctioning Agents for Truthful Autonomous Electric Vehicles Energy Crowdsourcing. *Yassine, A.*, +, *TVT May 2020 5457-5466*
- Coalition Game Based Full-Duplex Popular Content Distribution in mmWave Vehicular Networks. *Wang, Y.*, +, *TVT Nov. 2020 13836-13848*
- Coalitional Games for Computation Offloading in NOMA-Enabled Multi-Access Edge Computing. *Pham, Q.*, +, *TVT Feb. 2020 1982-1993*
- Computation Offloading in Hierarchical Multi-Access Edge Computing Based on Contract Theory and Bayesian Matching Game. *Su, C.*, +, *TVT Nov. 2020 13686-13701*
- Contention-Based Radio Resource Management for URLLC-Oriented D2D Communications. *Wu, Y.*, +, *TVT Sept. 2020 9960-9971*
- Convert Harm Into Benefit: A Coordination-Learning Based Dynamic Spectrum Anti-Jamming Approach. *Xu, Y.*, +, *TVT Nov. 2020 13018-13032*
- DAGIoV: A Framework for Vehicle to Vehicle Communication Using Directed Acyclic Graph and Game Theory. *Hassija, V.*, +, *TVT April 2020 4182-4191*
- Downlink Transmit Power Control in Ultra-Dense UAV Network Based on Mean Field Game and Deep Reinforcement Learning. *Li, L.*, +, *TVT Dec. 2020 15594-15605*
- Energy and Social Cost Minimization for Data Dissemination in Wireless Networks: Centralized and Decentralized Approaches. *Mousavi, M.*, +, *TVT May 2020 5521-5534*
- Energy-Efficient Power Allocation and User Selection for mmWave-NOMA Transmission in M2M Communications Underlying Cellular Heterogeneous Networks. *Sobhi-Givi, S.*, +, *TVT Sept. 2020 9866-9881*
- Energy-Saving Data Aggregation for Multi-UAV System. *Xiong, F.*, +, *TVT Aug. 2020 9002-9016*
- Estimation of Time Duration for Using the Allocated LoRa Spreading Factor: A Game-Theory Approach. *Kumari, P.*, +, *TVT Oct. 2020 11090-11098*
- Game Theory-Based Multi-Objective Optimization Interference Alignment Algorithm for HSR 5G Heterogeneous Ultra-Dense Network. *Sheng, J.*, +, *TVT Nov. 2020 13371-13382*
- Incentive-Aware Recruitment of Intelligent Vehicles for Edge-Assisted Mobile Crowdsensing. *Liu, L.*, +, *TVT Oct. 2020 12085-12097*
- Integrated Resource Management for Terrestrial-Satellite Systems. *Fu, S.*, +, *TVT March 2020 3256-3266*
- Joint User Pairing, Subchannel Assignment and Power Allocation in Cooperative Non-Orthogonal Multiple Access Networks. *Lamba, A.K.*, +, *TVT Oct. 2020 11790-11799*
- Leveraging Dynamic Stackelberg Pricing Game for Multi-Mode Spectrum Sharing in 5G-VANET. *Qian, B.*, +, *TVT June 2020 6374-6387*
- M-JAW: Mobility-Based Jamming Avoidance in Wireless Sensor Networks. *Misra, S.*, +, *TVT May 2020 5381-5390*
- Mean-Field Game Theoretic Edge Caching in Ultra-Dense Networks. *Kim, H.*, +, *TVT Jan. 2020 935-947*
- Mechanism Design for Wireless Powered Spatial Crowdsourcing Networks. *Jiao, Y.*, +, *TVT Jan. 2020 920-934*
- Multi-Agent Deep Reinforcement Learning-Based Flexible Satellite Payload for Mobile Terminals. *Hu, X.*, +, *TVT Sept. 2020 9849-9865*
- Multi-Beam NOMA for Millimeter-Wave Massive MIMO With Lens Antenna Array. *Liu, P.*, +, *TVT Oct. 2020 11570-11583*
- Non-Cooperative and Cooperative Optimization of Scheduling With Vehicle-to-Grid Regulation Services. *Chen, X.*, +, *TVT Jan. 2020 114-130*
- Novel Fuzzy and Game Theory Based Clustering and Decision Making for VANETs. *Alsarhan, A.*, +, *TVT Feb. 2020 1568-1581*
- PARC: Placement Availability Resilient Controller Scheme for Software-Defined Datacenters. *Chaudhary, R.*, +, *TVT Aug. 2020 8985-9001*
- Rate Maximization for Hybrid Access Femtocell Networks With Outage Constraints Based on Pricing Incentive Mechanism. *Liu, Z.*, +, *TVT June 2020 6699-6708*
- Resource Allocation for Multi-Tenant Network Slicing: A Multi-Leader Multi-Follower Stackelberg Game Approach. *Tran, T.D.*, +, *TVT Aug. 2020 8886-8899*
- Security Enhanced Content Sharing in Social IoT: A Directed Hypergraph-Based Learning Scheme. *Wang, B.*, +, *TVT April 2020 4412-4425*
- Socially Privacy-Preserving Data Collection for Crowdsensing. *Yang, G.*, +, *TVT Jan. 2020 851-861*
- Spatial Anti-Jamming Scheme for Internet of Satellites Based on the Deep Reinforcement Learning and Stackelberg Game. *Han, C.*, +, *TVT May 2020 5331-5342*
- Sub-Channel Allocation for Full-Duplex Access and Device-to-Device Links Underlying Heterogeneous Cellular Networks Using Coalition Formation Games. *Chen, Y.*, +, *TVT Sept. 2020 9736-9749*
- Trust Based Secure Content Delivery in Vehicular Networks: A Bargaining Game Theoretical Approach. *Li, J.*, +, *TVT March 2020 3267-3279*
- When Network Slicing Meets Prospect Theory: A Service Provider Revenue Maximization Framework. *Fantacci, R.*, +, *TVT March 2020 3179-3189*
- Games**
- A Game Theoretic Scheme for Collaborative Vehicular Task Offloading in 5G HetNets. *Hui, Y.*, +, *TVT Dec. 2020 16044-16056*
- An Integrated Framework of Decision Making and Motion Planning for Autonomous Vehicles Considering Social Behaviors. *Hang, P.*, +, *TVT Dec. 2020 14458-14469*
- DEFT: Decentralized Multiuser Computation Offloading in a Fog-Enabled IoV Environment. *Deb, P.K.*, +, *TVT Dec. 2020 15978-15987*
- Downlink Transmit Power Control in Ultra-Dense UAV Network Based on Mean Field Game and Deep Reinforcement Learning. *Li, L.*, +, *TVT Dec. 2020 15594-15605*
- Reputation Based Attacker Identification Policy for Multi-Access Edge Computing in Internet of Things. *Sandal, Y.S.*, +, *TVT Dec. 2020 15346-15356*
- Gamma distribution**
- On the Performance Analysis of Higher Order QAM Schemes Over Mixed RF/FSO Systems. *Singya, P.K.*, +, *TVT July 2020 7366-7378*
- Performance Analysis of Mixed RF-UWOC Dual-Hop Transmission Systems. *Li, S.*, +, *TVT Nov. 2020 14043-14048*
- Gaussian channels**
- Achieving Positive Secrecy Rate in Wireless Multiple Access Wiretap Channels. *He, H.*, +, *TVT Aug. 2020 9121-9125*
- Secrecy Performance of User and Antenna Selection With Channel Estimation Inaccuracy. *Lee, D.*, *TVT April 2020 4533-4536*
- Gaussian distribution**
- A MIMO Detector With Deep Learning in the Presence of Correlated Interference. *Xia, J.*, +, *TVT April 2020 4492-4497*
- Gaussian Mixture Based Context-Aware Short-Term Characterization of Wireless Channels. *Mukherjee, P.*, +, *TVT Jan. 2020 26-40*
- Generalized MGF of Inverse Gaussian Distribution With Applications to Wireless Communications. *Gong, J.*, +, *TVT Feb. 2020 2332-2336*
- Parameter Estimation of Fluctuating Two-Ray Model for Next Generation Mobile Communications. *Shi, B.*, +, *TVT Aug. 2020 8684-8697*
- Target Localization With Jammer Removal Using Frequency Diverse Array. *Liu, Q.*, +, *TVT Oct. 2020 11685-11696*
- Gaussian noise**
- Detection for OFDM-AF Relay Systems Under Gaussian Mixture Noise With Imperfect CSI. *Zhang, J.*, +, *TVT May 2020 5666-5671*

DOA Estimation for Coherent Signals With Improved Sparse Representation in the Presence of Unknown Spatially Correlated Gaussian Noise. *Fang, Y.*, +, *TVT Sept. 2020 10059-10069*

DOA Estimation via Sparse Signal Recovery in 4-D Linear Antenna Arrays With Optimized Time Sequences. *Yang, F.*, +, *TVT Jan. 2020 771-783*

Downlink Sum-Rates of SC-FDP and OFDM Massive MIMO Systems in Doubly Dispersive Channels. *Mokhtari, Z.*, +, *TVT Aug. 2020 8065-8079*

On Bandwidth Constrained Distributed Detection of a Known Signal in Correlated Gaussian Noise. *Maleki, N.*, +, *TVT Oct. 2020 11428-11444*

Robust Modulation Classification Over α -Stable Noise Using Graph-Based Fractional Lower-Order Cyclic Spectrum Analysis. *Yan, X.*, +, *TVT March 2020 2836-2849*

Smart Grid Network With D2D Communication and Coherent PLC: Error Analysis. *Dash, S.P.*, +, *TVT Jan. 2020 1051-1054*

Target Localization With Jammer Removal Using Frequency Diverse Array. *Liu, Q.*, +, *TVT Oct. 2020 11685-11696*

Target Tracking Algorithm for System With Gaussian/Non-Gaussian Multiplicative Noise. *Yu, X.*, +, *TVT Jan. 2020 90-100*

Gaussian processes

A Collaborative Gaussian Process Regression Model for Transfer Learning of Capacity Trends Between Li-Ion Battery Cells. *Chehade, A.A.*, +, *TVT Sept. 2020 9542-9552*

A Hybrid Method for the Prediction of the Remaining Useful Life of Lithium-Ion Batteries With Accelerated Capacity Degradation. *Cong, X.*, +, *TVT Nov. 2020 12775-12785*

Detection for OFDM-AF Relay Systems Under Gaussian Mixture Noise With Imperfect CSI. *Zhang, J.*, +, *TVT May 2020 5666-5671*

Importance Weighted Gaussian Process Regression for Transferable Driver Behaviour Learning in the Lane Change Scenario. *Li, Z.*, +, *TVT Nov. 2020 12497-12509*

Improper Gaussian Signaling for Computationally Tractable Energy and Information Beamforming. *Yu, H.*, +, *TVT Nov. 2020 13990-13995*

Interference Characterization and Power Optimization for Automotive Radar With Directional Antenna. *Chu, P.*, +, *TVT April 2020 3703-3716*

Look-Ahead Prediction-Based Real-Time Optimal Energy Management for Connected HEVs. *Xu, F.*, +, *TVT March 2020 2537-2551*

Path Planning for UAV-Mounted Mobile Edge Computing With Deep Reinforcement Learning. *Liu, Q.*, +, *TVT May 2020 5723-5728*

Personalized Vehicle Trajectory Prediction Based on Joint Time-Series Modeling for Connected Vehicles. *Xing, Y.*, +, *TVT Feb. 2020 1341-1352*

Socially Privacy-Preserving Data Collection for Crowdsensing. *Yang, G.*, +, *TVT Jan. 2020 851-861*

Spatial Modulation for Terahertz Communication Systems With Hardware Impairments. *Mao, T.*, +, *TVT April 2020 4553-4557*

Stable Autonomous Robotic Wheelchair Navigation in the Environment With Slope Way. *Wang, C.*, +, *TVT Oct. 2020 10759-10771*

Threshold-Based Edge Selection MPA for SCMA. *Silva, B.F.d.*, +, *TVT March 2020 2957-2966*

Gears

Adaptive Feed-Forward Control of the Clutch Filling Phase for Wet Dual Clutch Transmission. *Jung, S.*, +, *TVT Sept. 2020 9577-9588*

Coordinate Receding Horizon Control for the Power-Shift Process of Multi-speed Electric Vehicles. *Liu, Q.*, +, *TVT Jan. 2020 1055-1059*

Data-Driven Incipient Fault Detection and Diagnosis for the Running Gear in High-Speed Trains. *Cheng, C.*, +, *TVT Sept. 2020 9566-9576*

Designing Multi-Mode Power Split Hybrid Electric Vehicles Using the Hierarchical Topological Graph Theory. *Pei, H.*, +, *TVT July 2020 7159-7171*

Mixed-Integer Optimal Design and Energy Management of Hybrid Electric Vehicles With Automated Manual Transmissions. *Yu, H.*, +, *TVT Nov. 2020 12705-12715*

Modeling of Complex Planetary Gear Sets Using Power-Oriented Graphs. *Zanasi, R.*, +, *TVT Dec. 2020 14470-14483*

Short-Term Optimal Energy Management of Power-Split Hybrid Electric Vehicles Under Velocity Tracking Control. *Zhang, J.*, +, *TVT Jan. 2020 182-193*

Systematic Methodology for Architecture Generation and Design Optimization of Hybrid Powertrains. *Kabalan, B.*, +, *TVT Dec. 2020 14846-14857*

Generalization (artificial intelligence)

Learning to Branch: Accelerating Resource Allocation in Wireless Networks. *Lee, M.*, +, *TVT Jan. 2020 958-970*

Generative adversarial networks

End-to-End Recurrent Generative Adversarial Network for Traffic and Surveillance Applications. *Patil, P.W.*, +, *TVT Dec. 2020 14550-14562*

Generators

End-to-End Recurrent Generative Adversarial Network for Traffic and Surveillance Applications. *Patil, P.W.*, +, *TVT Dec. 2020 14550-14562*

Genetic algorithms

A Comprehensive Analysis for High-Power Density, High-Efficiency 60 kW Interleaved Boost Converter Design for Electrified Powertrains. *Guo, J.*, +, *TVT July 2020 7131-7145*

Adaptive Washout Filter Based on Fuzzy Logic for a Motion Simulation Platform With Consideration of Joints' Limitations. *Chalakh Qazani, M.R.*, +, *TVT Nov. 2020 12547-12558*

Comprehensive Efficiency Optimization of Linear Induction Motors for Urban Transit. *Xu, W.*, +, *TVT Jan. 2020 131-139*

Data-Driven Identification of Characteristic Real-Driving Cycles Based on k-Means Clustering and Mixed-Integer Optimization. *Forster, D.*, +, *TVT March 2020 2398-2410*

Design of an External-Rotor Direct Drive E-Bike Switched Reluctance Motor. *Howey, B.*, +, *TVT March 2020 2552-2562*

Electric Vehicle Powertrain and Fuzzy Control Multi-Objective Optimization, Considering Dual Hybrid Energy Storage Systems. *Eckert, J.J.*, +, *TVT April 2020 3773-3782*

Integrated Timetable Optimization for Minimum Total Energy Consumption of an AC Railway System. *Pan, Z.*, +, *TVT April 2020 3641-3653*

Joint Optimization Strategy of Computation Offloading and Resource Allocation in Multi-Access Edge Computing Environment. *Li, H.*, +, *TVT Sept. 2020 10214-10226*

Modeling and Optimizing Method for Axial Flux Induction Motor of Electric Vehicles. *Mei, J.*, +, *TVT Nov. 2020 12822-12831*

QoE-Aware Self-Tuning of Service Priority Factor for Resource Allocation Optimization in LTE Networks. *Uthansakul, P.*, +, *TVT Jan. 2020 887-900*

Task Scheduling for Mobile Edge Computing Using Genetic Algorithm and Conflict Graphs. *Al-Habob, A.A.*, +, *TVT Aug. 2020 8805-8819*

UWB System for Indoor Positioning and Tracking With Arbitrary Target Orientation, Optimal Anchor Location, and Adaptive NLOS Mitigation. *Chen, Y.*, +, *TVT Sept. 2020 9304-9314*

Geometric programming

Lifetime Maximization in Mobile Edge Computing Networks. *Gupta, S.*, +, *TVT March 2020 3310-3321*

Geometry

A Geometric Approach for Distributed Multi-Hop Target Localization in Cooperative Networks. *Tomic, S.*, +, *TVT Jan. 2020 914-919*

A Wideband Non-Stationary Air-to-Air Channel Model for UAV Communications. *Ma, Z.*, +, *TVT Feb. 2020 1214-1226*

Analysis of Blocking in mmWave Cellular Systems: Characterization of the LOS and NLOS Intervals in Urban Scenarios. *Ruiz, C.G.*, +, *TVT Dec. 2020 16247-16252*

Analysis of MRC With η - μ Co-Channel Interference. *Srinivasan, M.*, +, *TVT Jan. 2020 738-745*

Data-Driven Interference Localization Using a Single Satellite Based on Received Signal Strength. *Shen, Z.*, +, *TVT Aug. 2020 8657-8669*

Geometric Analysis of the Doppler Frequency for General Non-Stationary 3D Mobile-to-Mobile Channels Based on Prolate Spheroidal Coordinates. *Walter, M.*, +, *TVT Oct. 2020 10419-10434*

Impact of UAV Rotation on MIMO Channel Characterization for Air-to-Ground Communication Systems. *Ma, Z.*, +, *TVT Nov. 2020 12418-12431*

Interference Characterization and Power Optimization for Automotive Radar With Directional Antenna. *Chu, P.*, +, *TVT April 2020 3703-3716*

Measurements and Analysis of Propagation Channels in Vehicle-to-Infrastructure Scenarios. *Li, W.*, +, *TVT April 2020 3550-3561*

On the Performance of LTE/Wi-Fi Dual-Mode Uplink Transmission: Connection Probability Versus Energy Efficiency. *Zhang, J.*, +, *TVT Oct. 2020 11152-11168*

- Optimal Altitude Selection of Aerial Base Stations to Maximize Coverage and Energy Harvesting Probabilities: A Stochastic Geometry Analysis. *Enayati, S.*, +, *TVT Jan. 2020 1096-1100*
- Performance Analysis of Terahertz Unmanned Aerial Vehicular Networks. *Wang, X.*, +, *TVT Dec. 2020 16330-16335*
- Performance of Downlink NOMA in Vehicular Communication Networks: An Analysis Based on Poisson Line Cox Point Process. *Sun, Y.*, +, *TVT Nov. 2020 14001-14006*
- Physical Layer Security Enhancement Using Artificial Noise in Cellular Vehicle-to-Everything (C-V2X) Networks. *Wang, C.*, +, *TVT Dec. 2020 15253-15268*
- PMSM Design for Achieving a Target Torque-Speed-Efficiency Map. *Candelo-Zuluaga, C.*, +, *TVT Dec. 2020 14448-14457*
- Response Delay Optimization in Mobile Edge Computing Enabled UAV Swarm. *Zhang, Q.*, +, *TVT March 2020 3280-3295*
- The COST IRACON Geometry-Based Stochastic Channel Model for Vehicle-to-Vehicle Communication in Intersections. *Gustafson, C.*, +, *TVT March 2020 2365-2375*
- Trailer Mass Estimation Using System Model-Based and Machine Learning Approaches. *Korayem, A.H.*, +, *TVT Nov. 2020 12536-12546*
- Trio-Connectivity for Efficient Uplink Performance in Future Mobile Heterogeneous Networks. *Mahbas, A.*, +, *TVT Dec. 2020 15706-15719*
- UAV-to-Everything (U2X) Networks Relying on NOMA: A Stochastic Geometry Model. *Hou, T.*, +, *TVT July 2020 7558-7568*
- Global navigation satellite system**
- GPS L1CA/BDS B1I Multipath Channel Measurements and Modeling for Dynamic Land Vehicle in Shanghai Dense Urban Area. *Chen, X.*, +, *TVT Dec. 2020 14247-14263*
- Global Positioning System**
- A New Train Integrity Resolution Method Based on Online Carrier Phase Relative Positioning. *Jiang, W.*, +, *TVT Oct. 2020 10519-10530*
- A Route Segmented Broadcast Protocol Based on RFID for Emergency Message Dissemination in Vehicular Ad-Hoc Networks. *Afrashteh, M.*, +, *TVT Dec. 2020 16017-16026*
- A Simple and Precise Correction Method for DVL Measurements Under the Dynamic Environment. *Yao, Y.*, +, *TVT Oct. 2020 10750-10758*
- An Integrated Urban Positioning Algorithm Using Matching, Particle Swarm Optimized Adaptive Neuro Fuzzy Inference System and a Spatial City Model. *Sun, R.*, +, *TVT May 2020 4842-4854*
- DAVT: An Error-Bounded Vehicle Trajectory Data Representation and Compression Framework. *Chen, C.*, +, *TVT Oct. 2020 10606-10618*
- Extending Shadow Matching to Tightly-Coupled GNSS/INS Integration System. *Zhang, G.*, +, *TVT May 2020 4979-4991*
- Hybrid Cooperative Positioning for Vehicular Networks. *Xiong, J.*, +, *TVT Jan. 2020 714-727*
- Link Reliability-Based Adaptive Routing for Multilevel Vehicular Networks. *Xu, C.*, +, *TVT Oct. 2020 11771-11785*
- Localizing Spoofing Attacks on Vehicular GPS Using Vehicle-to-Vehicle Communications. *Sanders, C.*, +, *TVT Dec. 2020 15656-15667*
- Longitudinal Vehicle Speed Estimation for Four-Wheel-Independently-Actuated Electric Vehicles Based on Multi-Sensor Fusion. *Ding, X.*, +, *TVT Nov. 2020 12797-12806*
- MagLand: Magnetic Landmarks for Road Vehicle Localization. *Cruz, S.B.*, +, *TVT April 2020 3654-3667*
- Multi-Sensor Multi-Vehicle (MSMV) Localization and Mobility Tracking for Autonomous Driving. *Yang, P.*, +, *TVT Dec. 2020 14355-14364*
- On Extracting Regular Travel Behavior of Private Cars Based on Trajectory Data Analysis. *Xiao, Z.*, +, *TVT Dec. 2020 14537-14549*
- On the Information Carried by Correlated Collaborative Ranging Measurements for Hybrid Positioning. *Minetto, A.*, +, *TVT Feb. 2020 1419-1427*
- Privacy-Preserving Compressive Sensing for Real-Time Traffic Monitoring in Urban City. *Guo, W.*, +, *TVT Dec. 2020 14510-14522*
- Reconciliation Problem in Polar Integrated Navigation Considering Coordinate Frame Transformation. *Sun, J.*, +, *TVT Sept. 2020 10375-10379*
- Required Lever Arm Accuracy of Non-Holonomic Constraint for Land Vehicle Navigation. *Zhang, Q.*, +, *TVT Aug. 2020 8305-8316*
- Torque Vectoring Algorithm of Electronic-Four-Wheel Drive Vehicles for Enhancement of Cornering Performance. *Park, G.*, +, *TVT April 2020 3668-3679*
- Zero-to-Stable Driver Identification: A Non-Intrusive and Scalable Driver Identification Scheme. *Rahim, M.A.*, +, *TVT Jan. 2020 163-171*
- Global warming**
- Demand-Aware Provisioning of Electric Vehicles Fast Charging Infrastructure. *Kabir, M.E.*, +, *TVT July 2020 6952-6963*
- Gold**
- UAV-Enabled NOMA Networks Analysis With Selective Incremental Relaying and Imperfect CSI. *Guo, C.*, +, *TVT Dec. 2020 16276-16281*
- Gradient methods**
- A Decision-Making Strategy for Vehicle Autonomous Braking in Emergency via Deep Reinforcement Learning. *Fu, Y.*, +, *TVT June 2020 5876-5888*
- Battery-Involved Energy Management for Hybrid Electric Bus Based on Expert-Assistance Deep Deterministic Policy Gradient Algorithm. *Wu, J.*, +, *TVT Nov. 2020 12786-12796*
- Caching Placement and Resource Allocation for Cache-Enabling UAV NOMA Networks. *Zhang, T.*, +, *TVT Nov. 2020 12897-12911*
- Gibbs Distribution Based Antenna Splitting and User Scheduling in Full Duplex Massive MIMO Systems. *Guo, M.*, +, *TVT April 2020 4508-4515*
- Learning RSSI Feature via Ranking Model for Wi-Fi Fingerprinting Localization. *Chen, P.*, +, *TVT Feb. 2020 1695-1705*
- Learning-Based Multi-Channel Access in 5G and Beyond Networks With Fast Time-Varying Channels. *Wang, S.*, +, *TVT May 2020 5203-5218*
- On the Performance Analysis of mmWave MIMO-NOMA Transmission Scheme. *Aghdam, M.R.G.*, +, *TVT Oct. 2020 11491-11500*
- Optimizing Live Layered Video Multicasting Over LTE With Mobile Edge Computing. *Hwang, R.*, +, *TVT Oct. 2020 12072-12084*
- Scheduling for Mobile Edge Computing With Random User Arrivals—An Approximate MDP and Reinforcement Learning Approach. *Huang, S.*, +, *TVT July 2020 7735-7750*
- SDP-IGD: An Iterative Power Allocation Technique for Cluster-Based Multihop Vehicular Communications. *Alam, M.Z.*, +, *TVT July 2020 7908-7915*
- Vision-Based Race Track SLAM Based Only on Lane Curvature. *Suh, J.*, +, *TVT Feb. 2020 1495-1504*
- Graph coloring**
- Graph Coloring Based Pilot Assignment for Cell-Free Massive MIMO Systems. *Liu, H.*, +, *TVT Aug. 2020 9180-9184*
- Learn to Coloring: Fast Response to Perturbation in UAV-Assisted Disaster Relief Networks. *Wang, B.*, +, *TVT March 2020 3505-3509*
- Graph theory**
- A Hierarchical Architecture Using Biased Min-Consensus for USV Path Planning. *Yao, P.*, +, *TVT Sept. 2020 9518-9527*
- A Parking Slot Allocation Framework Based on Virtual Voting and Adaptive Pricing Algorithm. *Hassija, V.*, +, *TVT June 2020 5945-5957*
- A Simple Variational Bayes Detector for Orthogonal Time Frequency Space (OTFS) Modulation. *Yuan, W.*, +, *TVT July 2020 7976-7980*
- Blind Cancellation in Radar-Based Self Driving Vehicles. *Singh, R.*, +, *TVT July 2020 6977-6986*
- Carpool for Big Data: Enabling Efficient Crowd Cooperation in Data Market for Pervasive AI. *Shi, Q.*, +, *TVT July 2020 7778-7789*
- Channel Characterization and Hybrid Modeling for Millimeter-Wave Communications in Metro Train. *He, D.*, +, *TVT Nov. 2020 12408-12417*
- Complex Network Analysis of VANET Topology With Realistic Vehicular Traces. *Qu, X.*, +, *TVT April 2020 4426-4438*
- Coordinated Control in the Presence of Actuator Saturation for Multiple High-Speed Trains in the Moving Block Signaling System Mode. *Bai, W.*, +, *TVT Aug. 2020 8054-8064*
- Designing Multi-Mode Power Split Hybrid Electric Vehicles Using the Hierarchical Topological Graph Theory. *Pei, H.*, +, *TVT July 2020 7159-7171*
- Distributed Stable Global Broadcasting for SINR-Based Multi-Channel Wireless Multi-Hop Networks. *Tian, X.*, +, *TVT Sept. 2020 10202-10213*
- Efficient Belief Propagation Polar Decoder With Loop Simplification Based Factor Graphs. *Ren, Y.*, +, *TVT May 2020 5657-5660*
- Efficient Resource Allocation in SCMA-Enabled Device-to-Device Communication for 5G Networks. *Sultana, A.*, +, *TVT May 2020 5343-5354*

- Graph Theory Based Beam Scheduling for Inter-Cell Interference Avoidance in MmWave Cellular Networks. *Sha, Z., +, TVT April 2020 3929-3942*
- Large-Scale Intelligent Taxicab Scheduling: A Distributed and Future-Aware Approach. *Wang, Y., +, TVT Aug. 2020 8176-8191*
- Multi-UAV Formation Control Based on a Novel Back-Stepping Approach. *Zhang, J., +, TVT March 2020 2437-2448*
- Performance Analysis on Distributed Storage Systems in Ring Networks. *Qu, S., +, TVT July 2020 7762-7777*
- Power Allocation for D2D Communications Using Max-Min Message-Passing Algorithm. *Rashed, S.K., +, TVT Aug. 2020 8443-8458*
- Robust Modulation Classification Over α -Stable Noise Using Graph-Based Fractional Lower-Order Cyclic Spectrum Analysis. *Yan, X., +, TVT March 2020 2836-2849*
- Subchannel Allocation Based on Clustered Interference Alignment for Differentiated Data Streams in Dense Small Cell Networks. *Zhang, H., +, TVT Nov. 2020 14049-14054*
- Task Scheduling for Mobile Edge Computing Using Genetic Algorithm and Conflict Graphs. *Al-Habob, A.A., +, TVT Aug. 2020 8805-8819*
- TCSC: A Novel File Distribution Strategy in Integrated LEO Satellite-Terrestrial Networks. *Yang, Z., +, TVT May 2020 5426-5441*
- Time-Expanded Graph Based Energy-Efficient Delay-Bounded Multicast Over Satellite Networks. *Shi, K., +, TVT Sept. 2020 10380-10384*
- TRiForm: Formation Control for Underwater Sensor Networks With Measurement Errors. *Wu, H., +, TVT July 2020 7679-7691*

Gray codes

- Bit Error Probability and Capacity Bound of OFDM Systems in Deterministic Doubly-Selective Channels. *Dominguez-Bolano, T., +, TVT Oct. 2020 11458-11469*

Greedy algorithms

- Accessibility Analysis and Modeling for IoV in an Urban Scene. *Cheng, J., +, TVT April 2020 4246-4256*
- Delay-Oriented Caching Strategies in D2D Mobile Networks. *Sun, R., +, TVT Aug. 2020 8529-8541*
- Let's Share the Resource When We're Co-Located: Colocation Edge Computing. *Nguyen, M.N.H., +, TVT May 2020 5618-5633*
- Low-Cost and Power-Efficient Massive MIMO Precoding: Architecture and Algorithm Designs. *Chen, J., TVT July 2020 7429-7442*
- Low-Delay Path Selection for Cluster-Based Buffer-Aided Vehicular Communications. *Alam, M.Z., +, TVT Sept. 2020 9356-9363*
- Parking-Area-Assisted Spider-Web Routing Protocol for Emergency Data in Urban VANET. *Liu, H., +, TVT Jan. 2020 971-982*
- Pilot-Less One-Shot Sparse Coding for Short Packet-Based Machine-Type Communications. *Wu, J., +, TVT Aug. 2020 9117-9120*
- QoS Constrained Pilot Allocation Scheme for Massive MIMO Systems. *Qi, C., +, TVT May 2020 5661-5665*
- Resource Allocation for 5G-Enabled Vehicular Networks in Unlicensed Frequency Bands. *Li, P., +, TVT Nov. 2020 13546-13555*
- Simultaneous Wireless Content and Power Transfer in F-RAN: Caching, eRRH Classification and Beamforming. *Hu, J., +, TVT Nov. 2020 12992-13004*
- Soft-VAN: Mobility-Aware Task Offloading in Software-Defined Vehicular Network. *Misra, S., +, TVT Feb. 2020 2071-2078*
- T-Safe: Trustworthy Service Provisioning for IoT-Based Intelligent Transport Systems. *Dass, P., +, TVT Sept. 2020 9509-9517*

Green products

- Impact of Railway Energy Efficiency on the Primary Distribution Power Grid. *Botte, M., +, TVT Dec. 2020 14131-14140*

Groupware

- auSense: Collaborative Airspace Sensing by Commercial Airplanes and Unmanned Aerial Vehicles. *Pan, Y., +, TVT June 2020 5995-6010*
- UAV Virtualization for Enabling Heterogeneous and Persistent UAV-as-a-Service. *Pathak, N., +, TVT June 2020 6731-6738*

Gyroscopes

- An ω -Free Gyro-Free Accelerometer Pair Algorithm for 2D Trajectory Reconstruction. *Liu, X., +, TVT Dec. 2020 16173-16177*
- MEMS Gyro Bias Estimation in Accelerated Motions Using Sensor Fusion of Camera and Angular-Rate Gyroscope. *Nazemipour, A., +, TVT April 2020 3841-3851*

H

Hamming codes

- Sphere Constraint Based Enumeration Methods to Analyze the Minimum Weight Distribution of Polar Codes. *Piao, J., +, TVT Oct. 2020 11557-11569*

Handicapped aids

- Stable Autonomous Robotic Wheelchair Navigation in the Environment With Slope Way. *Wang, C., +, TVT Oct. 2020 10759-10771*

Handover

- GCH-MV: Game-Enhanced Compensation Handover Scheme for Multipath TCP in 6G Software Defined Vehicular Networks. *Gao, K., +, TVT Dec. 2020 16142-16154*
- Heterogeneous User-Centric Cluster Migration Improves the Connectivity-Handover Trade-Off in Vehicular Networks. *Lin, Y., +, TVT Dec. 2020 16027-16043*
- Seamless Mobility Under a Dedicated Distributed Antenna System for High-Speed Rail Networks. *Ali, W., +, TVT Dec. 2020 15427-15441*

Hardware

- Power Allocation Strategy Based on Decentralized Convex Optimization in Modular Fuel Cell Systems for Vehicular Applications. *Khalatbarisoltani, A., +, TVT Dec. 2020 14563-14574*
- Uplink Channel Estimation With Hardware Imperfections, Antenna Position Error and Channel Correlation for Nested and Linear Array Antennas. *Azam, M.A., +, TVT Dec. 2020 15412-15426*

Hardware-in-the loop simulation

- An Adaptive State Machine Based Energy Management Strategy for a Multi-Stack Fuel Cell Hybrid Electric Vehicle. *Macias Fernandez, A., +, TVT Jan. 2020 220-234*
- An ANFIS-Based ECMS for Energy Optimization of Parallel Hybrid Electric Bus. *Tian, X., +, TVT Feb. 2020 1473-1483*

Hardware-software codesign

- Spectral Coexistence of LDACS and DME: Analysis via Hardware Software Co-Design in Presence of Real Channels and RF Impairments. *Agrawal, N., +, TVT Sept. 2020 9837-9848*

Harmonic analysis

- A New Parallel-Hybrid-Excited Permanent-Magnet Machine With Harmonic-Differential Effect for Electric Vehicles. *Cao, L., +, TVT Nov. 2020 12734-12750*
- Vibration Optimization of FSCW-IPM Motor Based on Iron-Core Modification for Electric Vehicles. *Wu, Z., +, TVT Dec. 2020 14834-14845*

Harmonics suppression

- Interleaved Isolated Single-Phase PFC Converter Module for Three-Phase EV Charger. *Choi, S., +, TVT May 2020 4957-4967*

Health hazards

- Prospects of 60 GHz mmWave WBAN: A PHY-MAC Joint Approach. *Anjum, M.N., +, TVT June 2020 6153-6164*

Heat pumps

- Review of Cabin Thermal Management for Electrified Passenger Vehicles. *Lajunen, A., +, TVT June 2020 6025-6040*

Heat transfer

- A Timesaving Transient Magneto-Thermal Coupling Model for the Eddy Current Brake. *Tian, J., +, TVT Oct. 2020 10832-10841*

Heating systems

- An MPC-Based Control Strategy for Electric Vehicle Battery Cooling Considering Energy Saving and Battery Lifespan. *Xie, Y., +, TVT Dec. 2020 14657-14673*
- An Online Self Cold Startup Methodology for PEM Fuel Cells in Vehicular Applications. *Amamou, A., +, TVT Dec. 2020 14160-14172*

Helicopters

- Nonlinear Motion Control for a Quadrotor Transporting a Cable-Suspended Payload. *Lv, Z., +, TVT Aug. 2020 8192-8206*
- Robust Time-Varying Formation Control for a Set of Quad-Copters With Switching Interaction Communication Topology. *Liu, H., +, TVT July 2020 6880-6890*

Heterodyne detection

- On the Performance Analysis of Higher Order QAM Schemes Over Mixed RF/FSO Systems. *Singya, P.K., +, TVT July 2020 7366-7378*

Heuristic algorithms

- Achieving Robust and Efficient Consensus for Large-Scale Drone Swarm. *Chen, W.*, +, *TVT Dec. 2020 15867-15879*
- Adaptive Fuzzy Backstepping-Based Formation Control of Unmanned Surface Vehicles With Unknown Model Nonlinearity and Actuator Saturation. *Zhou, W.*, +, *TVT Dec. 2020 14749-14764*
- Device Association for RAN Slicing Based on Hybrid Federated Deep Reinforcement Learning. *Liu, Y.*, +, *TVT Dec. 2020 15731-15745*
- Optimal Time-Consuming Path Planning for Autonomous Underwater Vehicles Based on a Dynamic Neural Network Model in Ocean Current Environments. *Chen, M.*, +, *TVT Dec. 2020 14401-14412*
- Strategy-Proof Spectrum Allocation Among Multiple Operators in Wireless Networks. *Yadav, L.*, +, *TVT Dec. 2020 15964-15977*

Heuristic programming

- A Model-Driven Deep Reinforcement Learning Heuristic Algorithm for Resource Allocation in Ultra-Dense Cellular Networks. *Liao, X.*, +, *TVT Jan. 2020 983-997*
- Optimal Allocation of Inverter-Based WTGS Complying With Their DSTATCOM Functionality and PEV Requirements. *Ali, A.*, +, *TVT May 2020 4763-4772*

Hidden Markov models

- A Dynamic MAP Discovery and Selection Scheme for Predictive Hierarchical MIPv6 in Vehicular Networks. *Aljeri, N.*, +, *TVT Jan. 2020 793-806*
- Early Recognition of Driving Intention for Lane Change Based on Recurrent Hidden Semi-Markov Model. *Liu, Q.*, +, *TVT Oct. 2020 10545-10557*
- Machine-Learning-Based Hazardous Spot Detection Framework by Mobile Sensing and Opportunistic Networks. *Watanabe, Y.*, +, *TVT Nov. 2020 13646-13657*

Higher order statistics

- A Novel Deep Learning and Polar Transformation Framework for an Adaptive Automatic Modulation Classification. *Ghasemzadeh, P.*, +, *TVT Nov. 2020 13243-13258*
- A Systematic Approach to Deriving the Covariance Matrix of Correlated Nakagami- m Fading Channels. *Lin, J.*, +, *TVT Feb. 2020 1612-1625*
- Automatic Modulation Classification for MIMO Systems via Deep Learning and Zero-Forcing Equalization. *Wang, Y.*, +, *TVT May 2020 5688-5692*
- Blind Modulation Classification for Asynchronous OFDM Systems Over Unknown Signal Parameters and Channel Statistics. *Gupta, R.*, +, *TVT May 2020 5281-5292*
- Robust Modulation Classification Over α -Stable Noise Using Graph-Based Fractional Lower-Order Cyclic Spectrum Analysis. *Yan, X.*, +, *TVT March 2020 2836-2849*

Hilbert spaces

- Low Complexity Least Minimum Symbol Error Rate Based Post-Distortion for Vehicular VLC. *Mitra, R.*, +, *TVT Oct. 2020 11800-11810*

Hilbert transforms

- A Hybrid Method for the Prediction of the Remaining Useful Life of Lithium-Ion Batteries With Accelerated Capacity Degradation. *Cong, X.*, +, *TVT Nov. 2020 12775-12785*

Home automation

- A Device-Free Intelligent Alarm System Based on the Channel State Information. *Yang, X.*, +, *TVT Oct. 2020 11419-11427*

Hough transforms

- Heuristic Monte Carlo Algorithm for Unmanned Ground Vehicles Realtime Localization and Mapping. *Chen, D.*, +, *TVT Oct. 2020 10642-10655*

Huffman codes

- DAVT: An Error-Bounded Vehicle Trajectory Data Representation and Compression Framework. *Chen, C.*, +, *TVT Oct. 2020 10606-10618*

Human computer interaction

- Multi-Variations Activity Based Gaits Recognition Using Commodity WiFi. *Fei, H.*, +, *TVT Feb. 2020 2263-2273*

Human factors

- An Analysis of the Tradeoff Between Fuel Consumption and Ride Comfort for the Pulse and Glide Driving Strategy. *Sohn, C.*, +, *TVT July 2020 7223-7233*

Hybrid electric vehicles

- A Comprehensive Analysis for High-Power Density, High-Efficiency 60 kW Interleaved Boost Converter Design for Electrified Powertrains. *Guo, J.*, +, *TVT July 2020 7131-7145*
- A New Energy Management Strategy for Multimode Power-Split Hybrid Electric Vehicles. *Buccoliero, G.*, +, *TVT Jan. 2020 172-181*
- A Novel Predictive Energy Management Strategy for Electric Vehicles Based on Velocity Prediction. *Zhai, C.*, +, *TVT Nov. 2020 12559-12569*
- A Single-Phase On-Board Two-Stage Integrated Battery Charger for EVs Based on a Five-Phase Hybrid-Excitation Flux-Switching Machine. *Tong, M.*, +, *TVT April 2020 3793-3804*
- Active Adaptive Battery Aging Management for Electric Vehicles. *Corno, M.*, +, *TVT Jan. 2020 258-269*
- Aging-Aware Optimal Energy Management Control for a Parallel Hybrid Vehicle Based on Electrochemical-Degradation Dynamics. *De Pascali, L.*, +, *TVT Oct. 2020 10868-10878*
- An Adaptive State Machine Based Energy Management Strategy for a Multi-Stack Fuel Cell Hybrid Electric Vehicle. *Macias Fernandez, A.*, +, *TVT Jan. 2020 220-234*
- An ANFIS-Based ECMS for Energy Optimization of Parallel Hybrid Electric Bus. *Tian, X.*, +, *TVT Feb. 2020 1473-1483*
- Battery-Involved Energy Management for Hybrid Electric Bus Based on Expert-Assistance Deep Deterministic Policy Gradient Algorithm. *Wu, J.*, +, *TVT Nov. 2020 12786-12796*
- Comparison of Anti-Jerk Controllers for Electric Vehicles With On-Board Motors. *Scamarcio, A.*, +, *TVT Oct. 2020 10681-10699*
- Connected Vehicle Based Distributed Meta-Learning for Online Adaptive Engine/Powertrain Fuel Consumption Modeling. *Ma, X.*, +, *TVT Sept. 2020 9553-9565*
- Cost Minimization Strategy for Fuel Cell Hybrid Electric Vehicles Considering Power Sources Degradation. *Li, H.*, +, *TVT Nov. 2020 12832-12842*
- Cross-Type Transfer for Deep Reinforcement Learning Based Hybrid Electric Vehicle Energy Management. *Lian, R.*, +, *TVT Aug. 2020 8367-8380*
- Current and Voltage Harmonics in the Powertrain of Electric Vehicles. *Sagert, C.*, +, *TVT Oct. 2020 10736-10749*
- Designing Multi-Mode Power Split Hybrid Electric Vehicles Using the Hierarchical Topological Graph Theory. *Pei, H.*, +, *TVT July 2020 7159-7171*
- Efficient Mode Transition Control for Parallel Hybrid Electric Vehicle With Adaptive Dual-Loop Control Framework. *Yang, C.*, +, *TVT Feb. 2020 1519-1532*
- Electric Vehicle Powertrain and Fuzzy Control Multi-Objective Optimization, Considering Dual Hybrid Energy Storage Systems. *Eckert, J.J.*, +, *TVT April 2020 3773-3782*
- Joint Propulsion and Cooling Energy Management of Hybrid Electric Vehicles by Optimal Control. *Chen, B.*, +, *TVT May 2020 4894-4906*
- Lightweight Mutual Authentication Protocol for V2G Using Physical Unclonable Function. *Bansal, G.*, +, *TVT July 2020 7234-7246*
- Look-Ahead Prediction-Based Real-Time Optimal Energy Management for Connected HEVs. *Xu, F.*, +, *TVT March 2020 2537-2551*
- Making the Case for Switched Reluctance Motors for Propulsion Applications. *Bilgin, B.*, +, *TVT July 2020 7172-7186*
- Mixed-Integer Optimal Design and Energy Management of Hybrid Electric Vehicles With Automated Manual Transmissions. *Yu, H.*, +, *TVT Nov. 2020 12705-12715*
- Modelling and Vibration Analysis of a Parallel Hydraulic Hybrid Vehicle. *Zhou, S.*, +, *TVT Oct. 2020 10710-10723*
- Optimal Power Allocation in Battery/Supercapacitor Electric Vehicles Using Convex Optimization. *East, S.*, +, *TVT Nov. 2020 12751-12762*
- Real-Time Model Predictive Powertrain Control for a Connected Plug-In Hybrid Electric Vehicle. *Oncken, J.*, +, *TVT Aug. 2020 8420-8432*
- Research on Compound Coordinated Control for a Power-Split Hybrid Electric Vehicle Based on Compensation of Non-Ideal Communication Network. *Wang, J.*, +, *TVT Dec. 2020 14818-14833*
- Research on Equivalent Factor Boundary of Equivalent Consumption Minimization Strategy for PHEVs. *Li, J.*, +, *TVT June 2020 6011-6024*
- Route Planning and Power Management for PHEVs With Reinforcement Learning. *Zhang, Q.*, +, *TVT May 2020 4751-4762*

Short-Term Optimal Energy Management of Power-Split Hybrid Electric Vehicles Under Velocity Tracking Control. *Zhang, J.*, +, *TVT Jan. 2020 182-193*

Structural Design and Analysis of a High Reliability Multi-Turn Wound-Rotor Resolver for Electric Vehicle. *Saneie, H.*, +, *TVT May 2020 4992-4999*

Hybrid power systems

Systematic Methodology for Architecture Generation and Design Optimization of Hybrid Powertrains. *Kabalan, B.*, +, *TVT Dec. 2020 14846-14857*

Hydraulic motors

Modelling and Vibration Analysis of a Parallel Hydraulic Hybrid Vehicle. *Zhou, S.*, +, *TVT Oct. 2020 10710-10723*

Hydraulic systems

Development of Artificial Intelligence to Classify Quality of Transmission Shift Control Using Deep Convolutional Neural Networks. *Kawakami, T.*, +, *TVT Dec. 2020 16168-16172*

Improving the Fuel Efficiency of Compact Wheel Loader With a Series Hydraulic Hybrid Powertrain. *Wen, Q.*, +, *TVT Oct. 2020 10700-10709*

Modelling and Vibration Analysis of a Parallel Hydraulic Hybrid Vehicle. *Zhou, S.*, +, *TVT Oct. 2020 10710-10723*

Hydrogen

An Online Self Cold Startup Methodology for PEM Fuel Cells in Vehicular Applications. *Amamou, A.*, +, *TVT Dec. 2020 14160-14172*

Power Allocation Strategy Based on Decentralized Convex Optimization in Modular Fuel Cell Systems for Vehicular Applications. *Khalatbarisoltani, A.*, +, *TVT Dec. 2020 14563-14574*

Hydrophones

Peak Extraction Passive Source Localization Using a Single Hydrophone in Shallow Water. *Zhang, T.*, +, *TVT March 2020 3412-3423*

Hydrostatics

Improving the Fuel Efficiency of Compact Wheel Loader With a Series Hydraulic Hybrid Powertrain. *Wen, Q.*, +, *TVT Oct. 2020 10700-10709*

I

Ice

Minimum-Fuel Energy Management of a Hybrid Electric Vehicle via Iterative Linear Programming. *Robuschi, N.*, +, *TVT Dec. 2020 14575-14587*

Identification technology

Zero-to-Stable Driver Identification: A Non-Intrusive and Scalable Driver Identification Scheme. *Rahim, M.A.*, +, *TVT Jan. 2020 163-171*

Image capture

Personalized Vehicle Trajectory Prediction Based on Joint Time-Series Modeling for Connected Vehicles. *Xing, Y.*, +, *TVT Feb. 2020 1341-1352*

Image classification

Conditional Weighted Ensemble of Transferred Models for Camera Based Onboard Pedestrian Detection in Railway Driver Support Systems. *Toprak, T.*, +, *TVT May 2020 5041-5054*

Federated Learning Assisted Multi-UAV Networks. *Zhang, H.*, +, *TVT Nov. 2020 14104-14109*

Multi-Feature Fusion Based Recognition and Relevance Analysis of Propagation Scenes for High-Speed Railway Channels. *Zhou, T.*, +, *TVT Aug. 2020 8107-8118*

Multi-Path Deep CNNs for Fine-Grained Car Recognition. *Wang, H.*, +, *TVT Oct. 2020 10484-10493*

Real-Time Single-Stage Vehicle Detector Optimized by Multi-Stage Image-Based Online Hard Example Mining. *Lin, C.*, +, *TVT Feb. 2020 1505-1518*

Semisupervised PCA Convolutional Network for Vehicle Type Classification. *Soon, F.C.*, +, *TVT Aug. 2020 8267-8277*

Vehicle Detection and Classification Using Distributed Fiber Optic Acoustic Sensing. *Liu, H.*, +, *TVT Feb. 2020 1363-1374*

Image coding

Mobile Image Communications Using Deep Neural Networks for Heterogeneous User Devices in MIMO Channels. *Chang, S.*, +, *TVT June 2020 6359-6373*

Image denoising

Adaptive Switching Spatial-Temporal Fusion Detection for Remote Flying Drones. *Xie, J.*, +, *TVT July 2020 6964-6976*

Deep Denoising Neural Network Assisted Compressive Channel Estimation for mmWave Intelligent Reflecting Surfaces. *Liu, S.*, +, *TVT Aug. 2020 9223-9228*

Image filtering

An Acoustic-Based Surveillance System for Amateur Drones Detection and Localization. *Shi, Z.*, +, *TVT March 2020 2731-2739*

Image fusion

Adaptive Switching Spatial-Temporal Fusion Detection for Remote Flying Drones. *Xie, J.*, +, *TVT July 2020 6964-6976*

An Acoustic-Based Surveillance System for Amateur Drones Detection and Localization. *Shi, Z.*, +, *TVT March 2020 2731-2739*

Federated Learning Assisted Multi-UAV Networks. *Zhang, H.*, +, *TVT Nov. 2020 14104-14109*

Multi-Feature Fusion Based Recognition and Relevance Analysis of Propagation Scenes for High-Speed Railway Channels. *Zhou, T.*, +, *TVT Aug. 2020 8107-8118*

Real-Time Perception and Positioning for Creature Picking of an Underwater Vehicle. *Cui, S.*, +, *TVT April 2020 3783-3792*

Image matching

Bundle Adjustment for Monocular Visual Odometry Based on Detections of Traffic Signs. *Zhang, Y.*, +, *TVT Jan. 2020 151-162*

Image motion analysis

An Accurate Device-Free Action Recognition System Using Two-Stream Network. *Sheng, B.*, +, *TVT July 2020 7930-7939*

Detecting Motion Blurred Vehicle Logo in IoV Using Filter-DeblurGAN and VL-YOLO. *Zhou, L.*, +, *TVT April 2020 3604-3614*

Inter-Vehicle Distance Estimation Method Based on Monocular Vision Using 3D Detection. *Zhe, T.*, +, *TVT May 2020 4907-4919*

Image processing

Reinforcement Learning for Joint Control of Traffic Signals in a Transportation Network. *Lee, J.*, +, *TVT Feb. 2020 1375-1387*

Image recognition

Detecting Motion Blurred Vehicle Logo in IoV Using Filter-DeblurGAN and VL-YOLO. *Zhou, L.*, +, *TVT April 2020 3604-3614*

Multi-Feature Fusion Based Recognition and Relevance Analysis of Propagation Scenes for High-Speed Railway Channels. *Zhou, T.*, +, *TVT Aug. 2020 8107-8118*

Velocity-Free Localization of Autonomous Driverless Vehicles in Underground Intelligent Mines. *Dong, L.*, +, *TVT Sept. 2020 9292-9303*

Image reconstruction

Full Waveform LiDAR for Adverse Weather Conditions. *Wallace, A.M.*, +, *TVT July 2020 7064-7077*

Highly Accurate Scale Estimation from Multiple Keyframes Using RANSAC Plane Fitting with a Novel Scoring Method. *Fan, M.*, +, *TVT Dec. 2020 15335-15345*

Mobile Image Communications Using Deep Neural Networks for Heterogeneous User Devices in MIMO Channels. *Chang, S.*, +, *TVT June 2020 6359-6373*

Image resolution

Detecting Motion Blurred Vehicle Logo in IoV Using Filter-DeblurGAN and VL-YOLO. *Zhou, L.*, +, *TVT April 2020 3604-3614*

Mobile Image Communications Using Deep Neural Networks for Heterogeneous User Devices in MIMO Channels. *Chang, S.*, +, *TVT June 2020 6359-6373*

Image segmentation

A Study of Cross-Layer BP/LTP Data Block Size in Space Vehicle Communications Over Lossy and Highly Asymmetric Channels. *Zhou, Y.*, +, *TVT Dec. 2020 16126-16141*

Coarse-to-Fine Segmentation on LiDAR Point Clouds in Spherical Coordinate and Beyond. *Li, Y.*, +, *TVT Dec. 2020 14588-14601*

Image sensors

Conditional Weighted Ensemble of Transferred Models for Camera Based Onboard Pedestrian Detection in Railway Driver Support Systems. *Toprak, T.*, +, *TVT May 2020 5041-5054*

Full Waveform LiDAR for Adverse Weather Conditions. *Wallace, A.M.*, +, *TVT July 2020 7064-7077*

Inter-Vehicle Distance Estimation Method Based on Monocular Vision Using 3D Detection. *Zhe, T.*, +, *TVT May 2020 4907-4919*

Robust and Autonomous Stereo Visual-Inertial Navigation for Non-Holonomic Mobile Robots. *Chae, H.*, +, *TVT Sept. 2020 9613-9623*

Image sequences

Human-Perception-Oriented Pseudo Analog Video Transmissions With Deep Learning. *Tang, X.*, +, *TVT Sept. 2020 9896-9909*

Robust Lane Detection From Continuous Driving Scenes Using Deep Neural Networks. *Zou, Q.*, +, *TVT Jan. 2020 41-54*

Impedance converters

LLC Resonant Converter With Damping Split Inductor Improving Light-Load Regulation Ability. *Jing, H.*, +, *TVT Feb. 2020 1428-1439*

Impedance matching

A General and Systematic Method to Design Neutralization Lines for Isolation Enhancement in MIMO Antenna Arrays. *Li, M.*, +, *TVT June 2020 6242-6253*

Compact Quad-Element Vertically-Polarized High-Isolation Wideband MIMO Antenna for Vehicular Base Station. *Wang, W.*, +, *TVT Sept. 2020 10000-10008*

Importance sampling

Distributed Direct Position Determination. *Ma, F.*, +, *TVT Nov. 2020 14007-14012*

Impulse noise

Effect of Impulsive Noise on Uplink NOMA Systems. *Selim, B.*, +, *TVT March 2020 3454-3458*

Kalman Filter Based Recursive Estimation of Slowly Fading Sparse Channel in Impulsive Noise Environment for OFDM Systems. *Ly, X.*, +, *TVT March 2020 2828-2835*

Robust Modulation Classification Over α -Stable Noise Using Graph-Based Fractional Lower-Order Cyclic Spectrum Analysis. *Yan, X.*, +, *TVT March 2020 2836-2849*

Smart Grid Network With D2D Communication and Coherent PLC: Error Analysis. *Dash, S.P.*, +, *TVT Jan. 2020 1051-1054*

Target Localization With Jammer Removal Using Frequency Diverse Array. *Liu, Q.*, +, *TVT Oct. 2020 11685-11696*

Incentive schemes

Cloudlet-Based Intelligent Auctioning Agents for Truthful Autonomous Electric Vehicles Energy Crowdsourcing. *Yassine, A.*, +, *TVT May 2020 5457-5466*

Online Rating Protocol Using Endogenous and Incremental Learning Design for Mobile Crowdsensing. *Lu, J.*, +, *TVT March 2020 3190-3201*

Promoting Users' Participation in Mobile Crowdsourcing: A Distributed Truthful Incentive Mechanism (DTIM) Approach. *Wang, X.*, +, *TVT May 2020 5570-5582*

Indexes

A Tight Upper Bound for Enhanced DCT-OFDM With Index Modulation. *Cao, A.*, +, *TVT Dec. 2020 16213-16217*

ARFV: An Efficient Shared Data Auditing Scheme Supporting Revocation for Fog-Assisted Vehicular Ad-Hoc Networks. *Cui, M.*, +, *TVT Dec. 2020 15815-15827*

How Much Can Radio Resource Allocation Help to Improve Secrecy Capacity of V2V Underlay Cellular Networks?. *Luo, X.*, +, *TVT Dec. 2020 14932-14944*

Joint Carrier-Code Index Modulation Aided M -Ary Differential Chaos Shift Keying System. *Cai, X.*, +, *TVT Dec. 2020 15486-15499*

Optimal Selection of Heterogeneous Network Interfaces for High-Speed Rail Communications. *Liu, B.*, +, *TVT Dec. 2020 15005-15018*

Systematic Beam Management in mmWave Networks: Tradeoff Among Beam Coverage, Link Budget, and Interference Control. *Ju, H.*, +, *TVT Dec. 2020 15325-15334*

Indium phosphide

IoV Scenario: Implementation of a Bandwidth Aware Algorithm in Wireless Network Communication Mode. *Zhang, P.*, +, *TVT Dec. 2020 15774-15785*

Indoor communication

Design and Performance Analysis of LED-Grouping Based Spatial Modulation in the Visible Light Communication System. *Gao, X.*, +, *TVT July 2020 7317-7324*

Eight-Diagram Based Access Point Selection Algorithm for Indoor Localization. *Xue, W.*, +, *TVT Nov. 2020 13196-13205*

FIT: On-the-Fly, In-Situ Training for SNR-Based Rate Selection. *Liu, H.*, +, *TVT Oct. 2020 11295-11307*

Mixed RF-VLC Relaying Systems for Interference-Sensitive Mobile Applications. *Petkovic, M.I.*, +, *TVT Oct. 2020 11099-11111*

Indoor environment

A New Quaternion Kalman Filter Based Foot-Mounted IMU and UWB Tightly-Coupled Method for Indoor Pedestrian Navigation. *Wen, K.*, +, *TVT April 2020 4340-4352*

Accurate Indoor Localization Assisted With Optimizing Array Orientations and Receiver Positions. *Sheng, M.*, +, *TVT Jan. 2020 509-521*

Simulation of Multiple-Antenna Terminal Performance in Massive MIMO Systems Based on Indoor Measurements. *Bengtsson, E.L.*, +, *TVT Jan. 2020 418-427*

Indoor navigation

A New Quaternion Kalman Filter Based Foot-Mounted IMU and UWB Tightly-Coupled Method for Indoor Pedestrian Navigation. *Wen, K.*, +, *TVT April 2020 4340-4352*

Accurate Indoor Localization Assisted With Optimizing Array Orientations and Receiver Positions. *Sheng, M.*, +, *TVT Jan. 2020 509-521*

Learning RSSI Feature via Ranking Model for Wi-Fi Fingerprinting Localization. *Chen, P.*, +, *TVT Feb. 2020 1695-1705*

Indoor radio

An Experimental Investigation of Enhanced SM-OFDM Over Indoor Rician Multipath Channels. *Jiang, K.*, +, *TVT Feb. 2020 2291-2295*

Eight-Diagram Based Access Point Selection Algorithm for Indoor Localization. *Xue, W.*, +, *TVT Nov. 2020 13196-13205*

Learning RSSI Feature via Ranking Model for Wi-Fi Fingerprinting Localization. *Chen, P.*, +, *TVT Feb. 2020 1695-1705*

Multiple CFOs Estimation and Implementation of SC-FDMA Uplink System Using Oversampling and Iterative Method. *Kumar, S.*, +, *TVT June 2020 6254-6263*

On Evaluation of Indoor to Outdoor Communications Using Neighbourhood Small Cells. *Yang, W.*, +, *TVT July 2020 8045-8050*

Preserving Privacy in WiFi Localization With Plausible Dummy Locations. *Zhao, P.*, +, *TVT Oct. 2020 11909-11925*

Simulation of Multiple-Antenna Terminal Performance in Massive MIMO Systems Based on Indoor Measurements. *Bengtsson, E.L.*, +, *TVT Jan. 2020 418-427*

The Comparative Study of S-V Model Between 3.5 and 28 GHz in Indoor and Outdoor Scenarios. *Jiang, T.*, +, *TVT March 2020 2351-2364*

UWB System for Indoor Positioning and Tracking With Arbitrary Target Orientation, Optimal Anchor Location, and Adaptive NLOS Mitigation. *Chen, Y.*, +, *TVT Sept. 2020 9304-9314*

Wireless Energy Efficiency Evaluation for Buildings Under Design Based on Analysis of Interference Gain. *Zhang, J.*, +, *TVT June 2020 6310-6324*

Inductance

An Improved Mutual Inductance Electromagnetic Model for Inductive Power Transfer Systems Under Misalignment Conditions. *Oliveira, R.*, +, *TVT June 2020 6079-6093*

Mutual Inductance and Load Identification Method for Inductively Coupled Power Transfer System Based on Auxiliary Inverter. *Sheng, X.*, +, *TVT Feb. 2020 1533-1541*

New Integrated Tripolar Pad Using Double-Sided LCC Compensation for Wireless Power Transfer. *Mosammam, B.M.*, +, *TVT Dec. 2020 15633-15643*

Robust Model Predictive Current Control Based on Inductance and Flux Linkage Extraction Algorithm. *Zhang, X.*, +, *TVT Dec. 2020 14893-14902*

Wired/Wireless Hybrid Charging System for Electrical Vehicles With Minimum Rated Power Requirement for DC Module. *Deng, Q.*, +, *TVT Oct. 2020 10889-10898*

Induction motor drives

Comprehensive Efficiency Optimization of Linear Induction Motors for Urban Transit. *Xu, W.*, +, *TVT Jan. 2020 131-139*

Simplified Model Predictive Thrust Control Based Arbitrary Two Voltage Vectors for Linear Induction Machines in Metro Transportation. *Zou, J.*, +, *TVT July 2020 7092-7103*

Induction motors

- A Single-Phase On-Board Two-Stage Integrated Battery Charger for EVs Based on a Five-Phase Hybrid-Excitation Flux-Switching Machine. *Tong, M.*, +, *TVT April 2020 3793-3804*
- A Variational Approach to MTPA Control of Induction Motor for EVs Range Optimization. *Attaianesi, C.*, +, *TVT July 2020 7014-7025*
- Design and Optimization of a Novel Dual-PM Machine for Electric Vehicle Applications. *Lin, Q.*, +, *TVT Dec. 2020 14391-14400*
- Design of Axial Flux Induction Motor With Reduced Back Iron for Electric Vehicles. *Mei, J.*, +, *TVT Jan. 2020 293-301*
- Modeling and Optimizing Method for Axial Flux Induction Motor of Electric Vehicles. *Mei, J.*, +, *TVT Nov. 2020 12822-12831*

Inductive charging

- An FSO-Based Drone Charging System for Emergency Communications. *Wu, D.*, +, *TVT Dec. 2020 16155-16162*
- Strategic Behavior of In-Motion Wireless Charging Aggregators in the Electricity and Transportation Networks. *Manshadi, S.D.*, +, *TVT Dec. 2020 14780-14792*

Inductive power transmission

- A Bandit Approach for Mode Selection in Ambient Backscatter-Assisted Wireless-Powered Relaying. *Li, G.*, +, *TVT Aug. 2020 9190-9195*
- An Improved Mutual Inductance Electromagnetic Model for Inductive Power Transfer Systems Under Misalignment Conditions. *Oliveira, R.*, +, *TVT June 2020 6079-6093*
- Channel-Dependent Scheduling in Wireless Energy Transfer for Mobile Devices. *Fang, W.*, +, *TVT March 2020 3330-3340*
- Driving Range of Electric Vehicles Charged by Wireless Power Transfer. *Machura, P.*, +, *TVT June 2020 5968-5982*
- Mechanism Design for Wireless Powered Spatial Crowdsourcing Networks. *Jiao, Y.*, +, *TVT Jan. 2020 920-934*
- Multi-Agent Deep Reinforcement Learning for Distributed Resource Management in Wirelessly Powered Communication Networks. *Hwang, S.*, +, *TVT Nov. 2020 14055-14060*
- Mutual Inductance and Load Identification Method for Inductively Coupled Power Transfer System Based on Auxiliary Inverter. *Sheng, X.*, +, *TVT Feb. 2020 1533-1541*
- On the Convex Properties of Wireless Power Transfer With Nonlinear Energy Harvesting. *Hu, Y.*, +, *TVT May 2020 5672-5676*
- Protection Strategy for Wireless Charging Electrical Vehicles. *Zhou, H.*, +, *TVT Nov. 2020 13510-13520*
- Reduced-Order Modeling and Design of Single-Stage LCL Compensated IPT System for Low Voltage Vehicle Charging Applications. *Feng, H.*, +, *TVT April 2020 3728-3739*
- Reducing Road Wear While Ensuring Comfort and Charging Constraints for Dynamically Charged Passenger Vehicles Through Noise-Shaped Path Variations. *Ferrin, C.*, +, *TVT May 2020 4803-4816*
- Research on Cost-Balanced Mobile Energy Replenishment Strategy for Wireless Rechargeable Sensor Networks. *Sha, C.*, +, *TVT March 2020 3135-3150*
- Resonant Beam Charging-Powered UAV-Assisted Sensing Data Collection. *Chen, W.*, +, *TVT Jan. 2020 1086-1090*
- Simultaneous Wireless Content and Power Transfer in F-RAN: Caching, eRRH Classification and Beamforming. *Hu, J.*, +, *TVT Nov. 2020 12992-13004*
- The Fabric ICT Platform for Managing Wireless Dynamic Charging Road Lanes. *Cirimele, V.*, +, *TVT March 2020 2501-2512*
- Two-Way Dual-Hop WPCN With A Practical Energy Harvesting Model. *Ramezani, P.*, +, *TVT July 2020 8013-8017*
- Wired/Wireless Hybrid Charging System for Electrical Vehicles With Minimum Rated Power Requirement for DC Module. *Deng, Q.*, +, *TVT Oct. 2020 10889-10898*
- Wireless Power Transfer Based Adaptive Relaying With Energy Accumulation. *Zhai, C.*, +, *TVT Oct. 2020 11014-11027*

Inductors

- A Novel High-Gain DC-DC Converter Applied in Fuel Cell Vehicles. *Wu, X.*, +, *TVT Nov. 2020 12763-12774*

- Variable-Frequency Critical Soft-Switching of Wide-Bandgap Devices for Efficient High-Frequency Nonisolated DC-DC Converters. *Agrawal, B.*, +, *TVT June 2020 6094-6106*

Inertial navigation

- A Calibration Method of USBL Installation Error Based on Attitude Determination. *Zhu, Y.*, +, *TVT Aug. 2020 8317-8328*
- A Fast Robust In-Motion Alignment Method for SINS With DVL Aided. *Xu, X.*, +, *TVT April 2020 3816-3827*
- A New Quaternion Kalman Filter Based Foot-Mounted IMU and UWB Tightly-Coupled Method for Indoor Pedestrian Navigation. *Wen, K.*, +, *TVT April 2020 4340-4352*
- A Simple and Precise Correction Method for DVL Measurements Under the Dynamic Environment. *Yao, Y.*, +, *TVT Oct. 2020 10750-10758*
- An IMM-UKF Aided SINS/USBL Calibration Solution for Underwater Vehicles. *Yao, Y.*, +, *TVT April 2020 3740-3747*
- An Orientation Navigation Approach Based on INS and Odometer Integration for Underground Unmanned Excavating Machine. *Han, S.*, +, *TVT Oct. 2020 10772-10786*
- Extending Shadow Matching to Tightly-Coupled GNSS/INS Integration System. *Zhang, G.*, +, *TVT May 2020 4979-4991*
- Hybrid Cooperative Positioning for Vehicular Networks. *Xiong, J.*, +, *TVT Jan. 2020 714-727*
- IMU-Based Automated Vehicle Body Sideslip Angle and Attitude Estimation Aided by GNSS Using Parallel Adaptive Kalman Filters. *Xiong, L.*, +, *TVT Oct. 2020 10668-10680*
- Inertial Navigation and Position Uncertainty During a Blind Safe Stop of an Autonomous Vehicle. *Jonasson, M.*, +, *TVT May 2020 4788-4802*
- Longitudinal Vehicle Speed Estimation for Four-Wheel-Independently-Actuated Electric Vehicles Based on Multi-Sensor Fusion. *Ding, X.*, +, *TVT Nov. 2020 12797-12806*
- Performance Enhancement of INS/GNSS/Refreshed-SLAM Integration for Acceptable Lane-Level Navigation Accuracy. *Chiang, K.*, +, *TVT March 2020 2463-2476*
- Reconciliation Problem in Polar Integrated Navigation Considering Coordinate Frame Transformation. *Sun, J.*, +, *TVT Sept. 2020 10375-10379*
- Required Lever Arm Accuracy of Non-Holonomic Constraint for Land Vehicle Navigation. *Zhang, Q.*, +, *TVT Aug. 2020 8305-8316*
- Robust and Autonomous Stereo Visual-Inertial Navigation for Non-Holonomic Mobile Robots. *Chae, H.*, +, *TVT Sept. 2020 9613-9623*

Inference mechanisms

- A Framework of Multipath Clustering Based on Space-Transformed Fuzzy c -Means and Data Fusion for Radio Channel Modeling. *Huang, Z.*, +, *TVT Jan. 2020 4-15*
- Learning the Time-Varying Massive MIMO Channels: Robust Estimation and Data-Aided Prediction. *Xia, X.*, +, *TVT Aug. 2020 8080-8096*
- Machine Learning and Reputation Based Misbehavior Detection in Vehicular Communication Networks. *Gyawali, S.*, +, *TVT Aug. 2020 8871-8885*
- Multiple Delay Estimation for Collision Resolution in Non-Orthogonal Random Access. *Bai, L.*, +, *TVT Jan. 2020 497-508*
- Target Tracking Algorithm for System With Gaussian/Non-Gaussian Multiplicative Noise. *Yu, X.*, +, *TVT Jan. 2020 90-100*

Infinite horizon

- Path Tracking and Direct Yaw Moment Coordinated Control Based on Robust MPC With the Finite Time Horizon for Autonomous Independent-Drive Vehicles. *Peng, H.*, +, *TVT June 2020 6053-6066*

Information dissemination

- Content Delivery Based on Vehicular Cloud. *Wang, X.*, +, *TVT Feb. 2020 2105-2113*
- Learn to Coloring: Fast Response to Perturbation in UAV-Assisted Disaster Relief Networks. *Wang, B.*, +, *TVT March 2020 3505-3509*

Information retrieval

- Efficient and Secure Location-Based Services Scheme in VANET. *Yadav, V.K.*, +, *TVT Nov. 2020 13567-13578*

Information systems

- Forecasts of Electric Vehicle Energy Consumption Based on Characteristic Speed Profiles and Real-Time Traffic Data. *Morlock, F.*, +, *TVT Feb. 2020 1404-1418*

Information theory

A More General Information Theoretic Study of Wireless Location Verification System. *Gholami, R.*, +, *TVT Sept. 2020 9938-9950*

Insulated gate bipolar transistors

Interleaved Isolated Single-Phase PFC Converter Module for Three-Phase EV Charger. *Choi, S.*, +, *TVT May 2020 4957-4967*

Integer programming

Adaptive Channel Prediction, Beamforming and Scheduling Design for 5G V2I Network: Analytical and Machine Learning Approaches. *Bogale, T.E.*, +, *TVT May 2020 5055-5067*

Age of Information Aware Trajectory Planning of UAVs in Intelligent Transportation Systems: A Deep Learning Approach. *Samir, M.*, +, *TVT Nov. 2020 12382-12395*

Balancing Coverage and Response Time in Area Target Scheduling for Satellite Networks. *He, L.*, +, *TVT June 2020 6848-6853*

Beam Allocation for Millimeter-Wave MIMO Tracking Systems. *Zhang, D.*, +, *TVT Feb. 2020 1595-1611*

Charge-and-Activate Policies for Targets Monitoring in RF-Harvesting Sensor Networks. *Fei, J.*, +, *TVT July 2020 7835-7846*

Coded Caching for Smart Grid Enabled HetNets With Resource Allocation and Energy Cooperation. *Yin, F.*, +, *TVT Oct. 2020 12058-12071*

Computation Offloading in Hierarchical Multi-Access Edge Computing Based on Contract Theory and Bayesian Matching Game. *Su, C.*, +, *TVT Nov. 2020 13686-13701*

Data-Driven Identification of Characteristic Real-Driving Cycles Based on k-Means Clustering and Mixed-Integer Optimization. *Forster, D.*, +, *TVT March 2020 2398-2410*

Delay-Aware Resource Management for Multi-Service Coexisting LTE-D2D Networks With Wireless Network Virtualization. *Han, Y.*, +, *TVT July 2020 7339-7353*

Delay-Oriented Caching Strategies in D2D Mobile Networks. *Sun, R.*, +, *TVT Aug. 2020 8529-8541*

Energy- and Spectral-Efficiency Tradeoff With α -Fairness in Energy Harvesting D2D Communication. *Kuang, Z.*, +, *TVT Sept. 2020 9972-9983*

Energy-Efficient Power Allocation and Q-Learning-Based Relay Selection for Relay-Aided D2D Communication. *Wang, X.*, +, *TVT June 2020 6452-6462*

Energy-Efficient Robust Computation Offloading for Fog-IoT Systems. *Wu, Z.*, +, *TVT April 2020 4417-4425*

Flexible DRX Optimization for LTE and 5G. *Moradi, F.*, +, *TVT Jan. 2020 607-621*

Joint Channel Allocation and Resource Management for Stochastic Computation Offloading in MEC. *Ren, J.*, +, *TVT Aug. 2020 8900-8913*

Joint Optimal Software Caching, Computation Offloading and Communications Resource Allocation for Mobile Edge Computing. *Wen, W.*, +, *TVT July 2020 7879-7894*

Joint Optimization Strategy of Computation Offloading and Resource Allocation in Multi-Access Edge Computing Environment. *Li, H.*, +, *TVT Sept. 2020 10214-10226*

Joint Uplink/Downlink Discrete Sum Rate Maximization for Full-Duplex Multicell Heterogeneous Networks. *Li, Q.*, +, *TVT March 2020 2758-2770*

Latency Minimization for D2D-Enabled Partial Computation Offloading in Mobile Edge Computing. *Saleem, U.*, +, *TVT April 2020 4472-4486*

Learning to Branch: Accelerating Resource Allocation in Wireless Networks. *Lee, M.*, +, *TVT Jan. 2020 958-970*

Load Balance and Trajectory Design in Multi-UAV Aided Large-Scale Wireless Rechargeable Networks. *Wu, P.*, +, *TVT Nov. 2020 13756-13767*

Mixed-Integer Optimal Design and Energy Management of Hybrid Electric Vehicles With Automated Manual Transmissions. *Yu, H.*, +, *TVT Nov. 2020 12705-12715*

Mobility-Aware Multi-User Offloading Optimization for Mobile Edge Computing. *Zhan, W.*, +, *TVT March 2020 3341-3356*

Mode Selection and Resource Allocation in Sliced Fog Radio Access Networks: A Reinforcement Learning Approach. *Xiang, H.*, +, *TVT April 2020 4271-4284*

Network Function Virtualization Resource Allocation Based on Joint Benders Decomposition and ADMM. *Yu, Y.*, +, *TVT Feb. 2020 1706-1718*

Network Slicing Enabled Resource Management for Service-Oriented Ultra-Reliable and Low-Latency Vehicular Networks. *Chen, Y.*, +, *TVT July 2020 7847-7862*

NOMA-Assisted On-Demand Transmissions for Monitoring Applications in Industrial IoT Networks. *Lyu, L.*, +, *TVT Oct. 2020 12264-12276*

On Maximizing Min Source Rate in Power Beacon Assisted IoTs Networks. *He, T.*, +, *TVT Oct. 2020 11880-11892*

On the Multiplexing of Data and Metadata for Ultra-Reliable Low-Latency Communications in 5G. *Karimi, A.*, +, *TVT Oct. 2020 12136-12147*

Online Task Allocation and Flying Control in Fog-Aided Internet of Drones. *Yao, J.*, +, *TVT May 2020 5562-5569*

Optimal Resource Allocation for Multicarrier NOMA in Short Packet Communications. *Chen, J.*, +, *TVT Feb. 2020 2141-2156*

Optimal Service Pricing and Charging Scheduling of an Electric Vehicle Sharing System. *Xie, R.*, +, *TVT Jan. 2020 78-89*

Resonant Beam Charging-Powered UAV-Assisted Sensing Data Collection. *Chen, W.*, +, *TVT Jan. 2020 1086-1090*

Resource Allocation and Basestation Placement in Downlink Cellular Networks Assisted by Multiple Wireless Powered UAVs. *Yin, S.*, +, *TVT Feb. 2020 2171-2184*

Resource Allocation and Trajectory Optimization for QoE Provisioning in Energy-Efficient UAV-Enabled Wireless Networks. *Zeng, F.*, +, *TVT July 2020 7634-7647*

Resource Allocation for 5G-Enabled Vehicular Networks in Unlicensed Frequency Bands. *Li, P.*, +, *TVT Nov. 2020 13546-13555*

Resource Allocation for Intelligent Reflecting Surface Aided Vehicular Communications. *Chen, Y.*, +, *TVT Oct. 2020 12321-12326*

Secrecy Rate Maximization via Radio Resource Allocation in Cellular Underlying V2V Communications. *Liu, Y.*, +, *TVT July 2020 7281-7294*

Soft-VAN: Mobility-Aware Task Offloading in Software-Defined Vehicular Network. *Misra, S.*, +, *TVT Feb. 2020 2071-2078*

Streaming Delay-, Expenditure- and Quality-Balanced Video Over TV White Space. *Wang, M.*, +, *TVT April 2020 4042-4057*

T-Safe: Trustworthy Service Provisioning for IoT-Based Intelligent Transport Systems. *Dass, P.*, +, *TVT Sept. 2020 9509-9517*

Trajectory Optimization for UAVs' Efficient Charging in Wireless Rechargeable Sensor Networks. *Wu, P.*, +, *TVT April 2020 4207-4220*

UAV-Enabled Uplink Non-Orthogonal Multiple Access System: Joint Deployment and Power Control. *Lu, J.*, +, *TVT Sept. 2020 10090-10102*

Whale Optimization Algorithm With Applications to Resource Allocation in Wireless Networks. *Pham, Q.*, +, *TVT April 2020 4285-4297*

Integrated circuit design

A Compact Millimeter-Wave Frequency Conversion SOP (System on Package) Module Based on LTCC Technology. *Zhou, L.*, +, *TVT June 2020 5923-5932*

Integrated circuit manufacture

A Compact Millimeter-Wave Frequency Conversion SOP (System on Package) Module Based on LTCC Technology. *Zhou, L.*, +, *TVT June 2020 5923-5932*

Integrated circuit modeling

A Comprehensive Analysis of Short-Circuit Fault in Wound-Rotor Resolvers. *Lasjerdi, H.*, +, *TVT Dec. 2020 14884-14892*

A Method of State-of-Charge Estimation for EV Power Lithium-Ion Battery Using a Novel Adaptive Extended Kalman Filter. *He, Z.*, +, *TVT Dec. 2020 14618-14630*

An MPC-Based Control Strategy for Electric Vehicle Battery Cooling Considering Energy Saving and Battery Lifespan. *Xie, Y.*, +, *TVT Dec. 2020 14657-14673*

Attractive Ellipsoid Sliding Mode Observer Design for State of Charge Estimation of Lithium-Ion Cells. *Nath, A.*, +, *TVT Dec. 2020 14701-14712*

Research on Optimization of Charging Strategy Control for Aged Batteries. *Sun, J.*, +, *TVT Dec. 2020 14141-14149*

Integrated circuits

Opportunistic Relaying and Jamming Based on Secrecy-Rate Maximization for Multiuser Buffer-Aided Relay Systems. *Lu, X.*, +, *TVT Dec. 2020 15269-15283*

Intelligent control

Deep Reinforcement Learning Aided Intelligent Access Control in Energy Harvesting Based WLAN. *Zhao, Y., +, TVT Nov. 2020 14078-14082*

Intelligent networks

Deep Learning Empowered Traffic Offloading in Intelligent Software Defined Cellular V2X Networks. *Fan, B., +, TVT Nov. 2020 13328-13340*

Intelligent sensors

Velocity-Free Localization of Autonomous Driverless Vehicles in Underground Intelligent Mines. *Dong, L., +, TVT Sept. 2020 9292-9303*

Intelligent transportation systems

A More General Information Theoretic Study of Wireless Location Verification System. *Gholami, R., +, TVT Sept. 2020 9938-9950*

A Real-Time Collision Prediction Mechanism With Deep Learning for Intelligent Transportation System. *Wang, X., +, TVT Sept. 2020 9497-9508*

Active Fault Diagnosis Method for Vehicles in Platoon Formation. *Lopes, A., +, TVT April 2020 3590-3603*

Blind Cancellation in Radar-Based Self Driving Vehicles. *Singh, R., +, TVT July 2020 6977-6986*

Content-Aware Traffic Data Completion in ITS Based on Generative Adversarial Nets. *Han, L., +, TVT Oct. 2020 11950-11962*

Deterministic Promotion Reinforcement Learning Applied to Longitudinal Velocity Control for Automated Vehicles. *Zhang, Y., +, TVT Jan. 2020 338-348*

DwaRa: A Deep Learning-Based Dynamic Toll Pricing Scheme for Intelligent Transportation Systems. *Shukla, A., +, TVT Nov. 2020 12510-12520*

Edge Computing Resources Reservation in Vehicular Networks: A Meta-Learning Approach. *Chen, D., +, TVT May 2020 5634-5646*

EnLSTM-WPEO: Short-Term Traffic Flow Prediction by Ensemble LSTM, NNCT Weight Integration, and Population Extremal Optimization. *Zhao, F., +, TVT Jan. 2020 101-113*

Inter-Vehicle Distance Estimation Method Based on Monocular Vision Using 3D Detection. *Zhe, T., +, TVT May 2020 4907-4919*

Joint Bi-Static Radar and Communications Designs for Intelligent Transportation. *Cao, N., +, TVT Nov. 2020 13060-13071*

Large-Scale Intelligent Taxicab Scheduling: A Distributed and Future-Aware Approach. *Wang, Y., +, TVT Aug. 2020 8176-8191*

Learning at the Racetrack: Data-Driven Methods to Improve Racing Performance Over Multiple Laps. *Kapania, N.R., +, TVT Aug. 2020 8232-8242*

Leveraging Dynamic Stackelberg Pricing Game for Multi-Mode Spectrum Sharing in 5G-VANET. *Qian, B., +, TVT June 2020 6374-6387*

Low-Complexity Channel Estimation for Circular and Noncircular Signals in Virtual MIMO Vehicle Communication Systems. *Wang, X., +, TVT April 2020 3916-3928*

Modular Kinematic Modelling of Articulated Buses. *Michalek, M.M., +, TVT Aug. 2020 8381-8394*

Multi-Path Deep CNNs for Fine-Grained Car Recognition. *Wang, H., +, TVT Oct. 2020 10484-10493*

Simulation Framework for Misbehavior Detection in Vehicular Networks. *Kamel, J., +, TVT June 2020 6631-6643*

Single-Photon Detection Approach for Autonomous Vehicles Sensing. *Du, P., +, TVT June 2020 6067-6078*

T-Safe: Trustworthy Service Provisioning for IoT-Based Intelligent Transport Systems. *Dass, P., +, TVT Sept. 2020 9509-9517*

TRADING: Traffic Aware Data Offloading for Big Data Enabled Intelligent Transportation System. *J. Darwish, T.S., +, TVT July 2020 6869-6879*

Vehicle Type Recognition From Surveillance Data Based on Deep Active Learning. *Ding, X., +, TVT March 2020 2477-2486*

Wideband Dual Circularly Polarized Antenna for Intelligent Transport Systems. *Wen, L., +, TVT May 2020 5193-5202*

Intelligent vehicles

Congestion and Position Aware Dynamic Routing for the Internet of Vehicles. *Han, R., +, TVT Dec. 2020 16082-16094*

Guest Editorial Introduction to the Special Section on Blockchains in Emerging Vehicular Social Networks. *Li, H., +, TVT June 2020 5732-5735*

Guest Editorial Introduction to the Special Section on Blockchains in Emerging Vehicular Social Networks. *Li, H., +, TVT June 2020 5732-5735*

Intensity modulation

On the Performance Analysis of Higher Order QAM Schemes Over Mixed RF/FSO Systems. *Singva, P.K., +, TVT July 2020 7366-7378*

Intercarrier interference

A Speed Adaptive Joint Subcarrier and Power Allocation Technique for Downlink OFDMA Video Transmission Over Doubly Selective Channels. *Raphel, F., +, TVT Feb. 2020 1879-1887*

Adaptive Turbo Equalization for Differential OFDM Systems in Underwater Acoustic Communications. *Zhao, S., +, TVT Nov. 2020 13937-13941*

Bit Error Probability and Capacity Bound of OFDM Systems in Deterministic Doubly-Selective Channels. *Dominguez-Bolano, T., +, TVT Oct. 2020 11458-11469*

Complementary Coded CDMA Systems With CP-Free OFDM. *Wang, X., +, TVT Oct. 2020 11515-11528*

OQAM-OFDM Radar Approximated IRCI-Free Pulse Compression. *Shi, Q., +, TVT Sept. 2020 10009-10018*

SINR Analysis of Different OFDM-Inspired Waveforms Over Doubly Dispersive Channels. *Wang, X., +, TVT Sept. 2020 9459-9468*

Intercell interference

FFR Based Joint 3D Beamforming Interference Coordination for Multi-Cell FD-MIMO Downlink Transmission Systems. *Li, X., +, TVT March 2020 3105-3118*

Graph Theory Based Beam Scheduling for Inter-Cell Interference Avoidance in MmWave Cellular Networks. *Sha, Z., +, TVT April 2020 3929-3942*

Hybrid Beamforming for Multi-User Millimeter-Wave Networks. *Nasir, A.A., +, TVT March 2020 2943-2956*

Multi-Level Sequence-Based Frequency-Hopping in Multi-Cell Networks. *Zeng, Q., +, TVT Dec. 2020 16282-16287*

New Efficient Transmission Technique for HetNets With Massive MIMO Wireless Backhaul. *Hamdi, R., +, TVT Jan. 2020 663-675*

Interference

A Joint Scheduling and Power Control Scheme for Hybrid I2V/V2V Networks. *Nguyen, B.L., +, TVT Dec. 2020 15668-15681*

Deep Learning Based Power Allocation for Workload Driven Full-Duplex D2D-Aided Underlying Networks. *Du, C., +, TVT Dec. 2020 15880-15892*

Downlink Transmit Power Control in Ultra-Dense UAV Network Based on Mean Field Game and Deep Reinforcement Learning. *Li, L., +, TVT Dec. 2020 15594-15605*

Efficient Subchannel Allocation Based on Partial Clustered Interference Alignment and Clusters Merging in Dense Small Cell Networks. *Zhang, H., +, TVT Dec. 2020 16191-16196*

Energy-Minimization Task Offloading and Resource Allocation for Mobile Edge Computing in NOMA Heterogeneous Networks. *Xu, C., +, TVT Dec. 2020 16001-16016*

How Much Can Radio Resource Allocation Help to Improve Secrecy Capacity of V2V Underlay Cellular Networks?. *Luo, X., +, TVT Dec. 2020 14932-14944*

Influence and Mitigation of Pedestrian Blockage at mmWave Cellular Networks. *Kumar S, Y., +, TVT Dec. 2020 15442-15457*

Joint MIMO Communication and MIMO Radar Under Different Practical Waveform Constraints. *He, X., +, TVT Dec. 2020 16342-16347*

Multi-Level Sequence-Based Frequency-Hopping in Multi-Cell Networks. *Zeng, Q., +, TVT Dec. 2020 16282-16287*

Optimal Resource Allocation for RF-Powered Underlay Cognitive Radio Networks With Ambient Backscatter Communication. *Zhuang, Y., +, TVT Dec. 2020 15216-15228*

Performance Analysis of Full-Duplex Relay-Aided NOMA Systems Using Partial Relay Selection. *Tregancini, A., +, TVT Jan. 2020 622-635*

Performance Analysis of Terahertz Unmanned Aerial Vehicular Networks. *Wang, X., +, TVT Dec. 2020 16330-16335*

Performance of Joint Sensing-Communication Cooperative Sensing UAV Network. *Chen, X., +, TVT Dec. 2020 15545-15556*

Proposed ITU-R Compatible Inter-Site and Inter-Sector Interference Models for LTE-Advanced Networks. *Ameen, A.S., +, TVT Dec. 2020 14304-14315*

- Spectral Efficiency of Dynamic Licensed Shared Access. *Onidare, S.O.*, +, *TVT Dec. 2020 15149-15161*
- Stochastic Hybrid Combining Design for Quantized Massive MIMO Systems. *Wang, Y.*, +, *TVT Dec. 2020 16224-16229*
- Systematic Beam Management in mmWave Networks: Tradeoff Among Beam Coverage, Link Budget, and Interference Control. *Ju, H.*, +, *TVT Dec. 2020 15325-15334*
- Throughput of CDM-Based Random Access With SINR Capture. *Choi, H.*, +, *TVT Dec. 2020 15046-15056*
- Trio-Connectivity for Efficient Uplink Performance in Future Mobile Het-Nets. *Mahbas, A.*, +, *TVT Dec. 2020 15706-15719*
- Uplink Interference Analysis of F-OFDM Systems Under Non-Ideal Synchronization. *Chen, H.*, +, *TVT Dec. 2020 15500-15517*
- Interference (signal)**
- Cellular Clustering-Based Interference-Aware Data Transmission Protocol for Underwater Acoustic Sensor Networks. *Zhang, J.*, +, *TVT March 2020 3217-3230*
- Efficient Design of Selective Mapping and Partial Transmit Sequence Using T-OFDM. *Ahmed, M.S.*, +, *TVT March 2020 2636-2648*
- Interference channels**
- Achievable Rate Region of MISO Interference Channel Aided by Intelligent Reflecting Surface. *Huang, W.*, +, *TVT Dec. 2020 16264-16269*
- Interference suppression**
- A Distributed Link Scheduler for In-Band Full Duplex Wireless Networks. *Ren, Y.*, +, *TVT May 2020 5255-5267*
- A Fast Robust In-Motion Alignment Method for SINS With DVL Aided. *Xu, X.*, +, *TVT April 2020 3816-3827*
- A MIMO Detector With Deep Learning in the Presence of Correlated Interference. *Xia, J.*, +, *TVT April 2020 4492-4497*
- A New Block-Based Reinforcement Learning Approach for Distributed Resource Allocation in Clustered IoT Networks. *Hussain, F.*, +, *TVT March 2020 2891-2904*
- A New IDMA System Based on CSK Modulation for Multiuser Underwater Acoustic Communications. *Jing, L.*, +, *TVT March 2020 3080-3092*
- A Precoding Aided Space Domain Index Modulation Scheme for Downlink Multiuser MIMO Systems. *Souto, N.*, +, *TVT Oct. 2020 12333-12337*
- A Resource Sharing Scheme for Intercell D2D Communication in Cellular Networks: A Repeated Game Theoretic Approach. *Barik, P.K.*, +, *TVT July 2020 7806-7820*
- A Simple Variational Bayes Detector for Orthogonal Time Frequency Space (OTFS) Modulation. *Yuan, W.*, +, *TVT July 2020 7976-7980*
- Achieving Positive Secrecy Rate in Wireless Multiple Access Wiretap Channels. *He, H.*, +, *TVT Aug. 2020 9121-9125*
- Adaptive Mode Selection for Backscatter-Assisted Communication Systems With Opportunistic SIC. *Li, D.*, +, *TVT Feb. 2020 2327-2331*
- Adaptive Power Factor Allocation for Cooperative Full-Duplex NOMA Systems With Imperfect SIC and Rate Fairness. *Lima, B.K.S.*, +, *TVT Nov. 2020 14061-14066*
- Adaptive Turbo Equalization for Differential OFDM Systems in Underwater Acoustic Communications. *Zhao, S.*, +, *TVT Nov. 2020 13937-13941*
- An Adaptive BLAST Successive Interference Cancellation Method for High Data Rate Perfect Space-Time Coded MIMO Systems. *Grabner, M.J.*, +, *TVT Feb. 2020 1542-1553*
- Analysis of Self-Interference Cancellation Under Phase Noise, CFO, and IQ Imbalance in GFDM Full-Duplex Transceivers. *Mohammadian, A.*, +, *TVT Jan. 2020 700-713*
- Blind Cancellation in Radar-Based Self Driving Vehicles. *Singh, R.*, +, *TVT July 2020 6977-6986*
- Caching Placement and Resource Allocation for Cache-Enabling UAV NOMA Networks. *Zhang, T.*, +, *TVT Nov. 2020 12897-12911*
- Channel Estimation and Hybrid Precoding for Distributed Phased Arrays Based MIMO Wireless Communications. *Zhang, Y.*, +, *TVT Nov. 2020 12921-12937*
- Common Throughput Maximization in Wireless Powered Communication Networks With Non-Orthogonal Multiple Access. *Chen, Z.*, +, *TVT July 2020 7692-7706*
- Complementary Coded CDMA Systems With CP-Free OFDM. *Wang, X.*, +, *TVT Oct. 2020 11515-11528*
- Comprehensive Effects of Imperfect Synchronization and Channel Estimation on Known Interference Cancellation. *Guo, W.*, +, *TVT Jan. 2020 457-470*
- Compressive Sensing Based Massive Access for IoT Relying on Media Modulation Aided Machine Type Communications. *Qiao, L.*, +, *TVT Sept. 2020 10391-10396*
- Decentralized Learning Based Indoor Interference Mitigation for 5G-and-Beyond Systems. *Wang, Y.*, +, *TVT Oct. 2020 12124-12135*
- Deep Neural Network for Resource Management in NOMA Networks. *Yang, N.*, +, *TVT Jan. 2020 876-886*
- Distributed Beamforming in the Presence of Adversaries. *Kong, J.*, +, *TVT Sept. 2020 9682-9696*
- Down-Link NOMA Networks in the Presence of IQI and Imperfect SIC: Receiver Design and Performance Analysis. *Alsmadi, M.M.*, +, *TVT June 2020 6793-6797*
- Dual-Band Dual-CP All-Metal Antenna With Large Signal Coverage and High Isolation Over Two Bands for Vehicular Communications. *Wang, S.*, +, *TVT Jan. 2020 1131-1135*
- Effect of Impulsive Noise on Uplink NOMA Systems. *Selim, B.*, +, *TVT March 2020 3454-3458*
- Efficient DOA Estimation Method Using Bias-Compensated Adaptive Filtering. *Liu, C.*, +, *TVT Nov. 2020 13087-13097*
- Efficient Low-Complexity Antenna Selection Algorithms in Multi-User Massive MIMO Systems With Matched Filter Precoding. *Abdullah, Z.*, +, *TVT March 2020 2993-3007*
- Energy and Delay Optimization for Cache-Enabled Dense Small Cell Networks. *Wu, H.*, +, *TVT July 2020 7663-7678*
- Energy Efficiency Maximization for Full-Duplex UAV Secrecy Communication. *Duo, B.*, +, *TVT April 2020 4590-4595*
- Energy Efficient Resource Allocation for Underlying Multi-D2D Enabled Multiple-Antennas Communications. *Ozbek, B.*, +, *TVT June 2020 6189-6199*
- Energy-Efficient Analog Combiner Design Using Low-Resolution Phase Shifters and Antenna Selection for mmWave D2D Communications. *Chen, J.*, *TVT Nov. 2020 13979-13984*
- Equilibrium Problems With Equilibrium Constraints Analysis for Power Control and User Scheduling in NOMA Networks. *Zhang, H.*, +, *TVT May 2020 5467-5480*
- Error Probability Analysis of NOMA-Based Diamond Relaying Network. *Kara, F.*, +, *TVT Feb. 2020 2280-2285*
- FFR Based Joint 3D Beamforming Interference Coordination for Multi-Cell FD-MIMO Downlink Transmission Systems. *Li, X.*, +, *TVT March 2020 3105-3118*
- Finite-Alphabet Signature Design for Grant-Free NOMA: A Quantized Deep Learning Approach. *Yu, H.*, +, *TVT Oct. 2020 10975-10987*
- Frequency Synchronization With Beamforming Network Optimization for Uplink Massive MIMO Systems. *Feng, Y.*, +, *TVT March 2020 3486-3490*
- Full-Duplex Amplify-and-Forward Relaying Under I/Q Imbalance. *Samara, L.*, +, *TVT July 2020 7966-7970*
- Graph Theory Based Beam Scheduling for Inter-Cell Interference Avoidance in MmWave Cellular Networks. *Sha, Z.*, +, *TVT April 2020 3929-3942*
- Hybrid Beamforming for Multi-User Millimeter-Wave Networks. *Nasir, A.A.*, +, *TVT March 2020 2943-2956*
- Identical Code Cyclic Shift Multiple Access—A Bridge Between CDMA and NOMA. *Liu, X.*, +, *TVT March 2020 2878-2890*
- Impact of Hardware Impairments on the Outage Probability and Ergodic Capacity of One-Way and Two-Way Full-Duplex Relaying Systems. *Nguyen, B.C.*, +, *TVT Aug. 2020 8555-8567*
- Inside-Out Precoding to Manage Multiple Interferences From the Same Source. *Li, Z.*, +, *TVT July 2020 7583-7595*
- Iterative Processing Structure for the Single-Channel Mixture of Digital-Modulated Adjacent-Frequency Source Signals. *Yang, Y.*, +, *TVT Feb. 2020 1639-1650*
- Joint Power and Subcarrier Allocation Optimization for Multigroup Multicast Systems With Rate Splitting. *Chen, H.*, +, *TVT Feb. 2020 2306-2310*

- Joint Sparse Beamforming and Power Control for a Large-Scale DAS With Network-Assisted Full Duplex. *Xia, X.*, +, *TVT July 2020 7569-7582*
- Joint User-Activity and Data Detection for Grant-Free Spatial-Modulated Multi-Carrier Non-Orthogonal Multiple Access. *Liu, Y.*, +, *TVT Oct. 2020 11673-11684*
- Low-Complexity Multistage Optimal Detection for SVD-Based Hybrid Millimeter Wave MIMO Systems. *Wang, X.*, +, *TVT Nov. 2020 13216-13228*
- Multi-Panel Sparse Base Station Design With Physical Antenna Effects in Massive MU-MIMO. *Amani, N.*, +, *TVT June 2020 6500-6510*
- Multiple CFOs Estimation and Implementation of SC-FDMA Uplink System Using Oversampling and Iterative Method. *Kumar, S.*, +, *TVT June 2020 6254-6263*
- Multiple Delay Estimation for Collision Resolution in Non-Orthogonal Random Access. *Bai, L.*, +, *TVT Jan. 2020 497-508*
- Multiuser Selection Criteria for MIMO-NOMA Systems With Different Detectors. *Yu, Q.*, +, *TVT Feb. 2020 1777-1791*
- NOMA With Battery-Assisted Energy Harvesting Full-Duplex Relay. *Agrawal, K.*, +, *TVT Nov. 2020 13952-13957*
- NOMA-Assisted On-Demand Transmissions for Monitoring Applications in Industrial IoT Networks. *Lyu, L.*, +, *TVT Oct. 2020 12264-12276*
- Non-Redundant OFDM Receiver Windowing for 5G Frames and Beyond. *Pekoz, B.*, +, *TVT Jan. 2020 676-684*
- On the Physical Layer Security of Millimeter Wave NOMA Networks. *Huang, S.*, +, *TVT Oct. 2020 11697-11711*
- Optimal Duplex Mode Selection for D2D-Aided Underlying Cellular Networks. *Du, C.*, +, *TVT March 2020 3119-3134*
- Outage Behaviors of NOMA-Based Satellite Network Over Shadowed-Rician Fading Channels. *Yue, X.*, +, *TVT June 2020 6818-6821*
- Outage Probabilities of Cache and SIC Enabled Downlink MIMO NOMA Cellular Networks With Randomly Distributed Users. *Zheng, J.*, +, *TVT Nov. 2020 13942-13946*
- Partial Tree Search Assisted Symbol Detection for Massive MIMO Systems. *Lu, H.*, +, *TVT Nov. 2020 13319-13327*
- Performance Analysis of Cell-Free Massive MIMO Systems: A Stochastic Geometry Approach. *Papazafiroopoulos, A.*, +, *TVT April 2020 3523-3537*
- Performance Analysis of Hybrid Beamforming Precoders for Multiuser Millimeter Wave NOMA Systems. *Badrudeen, A.A.*, +, *TVT Aug. 2020 8739-8752*
- Performance Analysis of OSTBC-NOMA System in the Presence of Practical Impairments. *Toka, M.*, +, *TVT Sept. 2020 9697-9706*
- Performance Analysis of Spatial Modulation Aided NOMA With Full-Duplex Relay. *Si, Q.*, +, *TVT May 2020 5683-5687*
- Phase-Coded FMCW Automotive Radar: System Design and Interference Mitigation. *Uysal, F.*, *TVT Jan. 2020 270-281*
- Physical Layer Security Designs for 5G NOMA Systems With a Stronger Near-End Internal Eavesdropper. *Zhang, C.*, +, *TVT Nov. 2020 13005-13017*
- Pilot Decontamination Based on Superimposed Pilots Assisted by Time-Multiplexed Pilots in Massive MIMO Networks. *Lago, L.A.*, +, *TVT Jan. 2020 405-417*
- Power Splitting-Based SWIPT Systems With Full-Duplex Jamming. *Ma, R.*, +, *TVT Sept. 2020 9822-9836*
- Proactive Eavesdropping of Suspicious Non-Orthogonal Multiple Access Networks. *Xu, D.*, *TVT Nov. 2020 13958-13963*
- Receive Beamforming and Resource Allocation for Wireless Powered Non-Orthogonal Multiple Access. *Lee, C.*, +, *TVT April 2020 4563-4568*
- Secrecy Analysis of Ambient Backscatter NOMA Systems Under I/Q Imbalance. *Li, X.*, +, *TVT Oct. 2020 12286-12290*
- Securing OFDM-Based NOMA SWIPT Systems. *Badawy, A.*, +, *TVT Oct. 2020 12343-12347*
- Security Enhancement for NOMA-UAV Networks. *Zhao, N.*, +, *TVT April 2020 3994-4005*
- Security Enhancement Using a Novel Two-Slot Cooperative NOMA Scheme. *Chen, B.*, +, *TVT March 2020 3470-3475*
- Spectral Efficiency Optimization and Interference Management for Multi-Hop D2D Communications in VANETs. *Yang, F.*, +, *TVT June 2020 6422-6436*
- STBC-Aided Cooperative NOMA With Timing Offsets, Imperfect Successive Interference Cancellation, and Imperfect Channel State Information. *Akhtar, M.W.*, +, *TVT Oct. 2020 11712-11727*
- Sub-Channel Allocation for Full-Duplex Access and Device-to-Device Links Underlying Heterogeneous Cellular Networks Using Coalition Formation Games. *Chen, Y.*, +, *TVT Sept. 2020 9736-9749*
- Suppression of Mainbeam Deceptive Jammer With FDA-MIMO Radar. *Lan, L.*, +, *TVT Oct. 2020 11584-11598*
- Theoretical Throughput Analysis for Massive Random Access With Spatial Successive Decoding. *Li, P.*, +, *TVT July 2020 7998-8002*
- Threshold-Based Edge Selection MPA for SCMA. *Silva, B.F.d.*, +, *TVT March 2020 2957-2966*
- Towards Anti-Interference Human Activity Recognition Based on WiFi Sub-carrier Correlation Selection. *Huang, J.*, +, *TVT June 2020 6739-6754*
- Uplink NOMA Random Access Systems With Space-Time Line Code. *Seo, J.*, +, *TVT April 2020 4522-4526*
- Uplink Performance Improvement for Downlink-Uplink Decoupled HetNets With Non-Uniform User Distribution. *Sun, K.*, +, *TVT July 2020 7518-7530*
- Uplinks Schedulers for RF-Energy Harvesting Networks With Imperfect CSI. *Liu, Y.*, +, *TVT April 2020 4233-4245*
- Interleaved codes**
- Analysis and Optimization of Tail-Biting Spatially Coupled Protograph LDPC Codes for BICM-ID Systems. *Yang, Z.*, +, *TVT Jan. 2020 390-404*
- Delayed Bit Interleaved Coded Sparse Code Multiple Access. *Mheich, Z.*, +, *TVT July 2020 8018-8022*
- Internal combustion engines**
- An Analysis of the Tradeoff Between Fuel Consumption and Ride Comfort for the Pulse and Glide Driving Strategy. *Sohn, C.*, +, *TVT July 2020 7223-7233*
- Estimation of Transmission Input&Output Shaft Torque and Drive Wheel Speed for Compound Power Split Powertrain Based on Unknown Input Observer. *Li, M.*, +, *TVT May 2020 4883-4893*
- Joint Propulsion and Cooling Energy Management of Hybrid Electric Vehicles by Optimal Control. *Chen, B.*, +, *TVT May 2020 4894-4906*
- Short-Term Optimal Energy Management of Power-Split Hybrid Electric Vehicles Under Velocity Tracking Control. *Zhang, J.*, +, *TVT Jan. 2020 182-193*
- Internet**
- A Bayesian Game Based Vehicle-to-Vehicle Electricity Trading Scheme for Blockchain-Enabled Internet of Vehicles. *Xia, S.*, +, *TVT July 2020 6856-6868*
- Attribute-Based Encryption With Parallel Outsourced Decryption for Edge Intelligent IoT. *Feng, C.*, +, *TVT Nov. 2020 13784-13795*
- Congestion and Position Aware Dynamic Routing for the Internet of Vehicles. *Han, R.*, +, *TVT Dec. 2020 16082-16094*
- DAGIoV: A Framework for Vehicle to Vehicle Communication Using Directed Acyclic Graph and Game Theory. *Hassija, V.*, +, *TVT April 2020 4182-4191*
- Deep Reinforcement Learning and Permissioned Blockchain for Content Caching in Vehicular Edge Computing and Networks. *Dai, Y.*, +, *TVT April 2020 4312-4324*
- ESAC: An Efficient and Secure Access Control Scheme in Vehicular Named Data Networking. *Jiang, S.*, +, *TVT Sept. 2020 10252-10263*
- Iterative NDA Positioning Using Angle-of-Arrival Measurements for IoT Sensor Networks. *Monfared, S.*, +, *TVT Oct. 2020 11369-11382*
- Named Data Networking Enabled Power Saving Mode Design for WLAN. *Wu, F.*, +, *TVT Jan. 2020 901-913*
- PARC: Placement Availability Resilient Controller Scheme for Software-Defined Datacenters. *Chaudhary, R.*, +, *TVT Aug. 2020 8985-9001*
- QoE-Driven Intelligent Handover for User-Centric Mobile Satellite Networks. *Xu, H.*, +, *TVT Sept. 2020 10127-10139*
- Smart Proactive Caching: Empower the Video Delivery for Autonomous Vehicles in ICN-Based Networks. *Zhang, Z.*, +, *TVT July 2020 7955-7965*
- Internet of Things**
- A Comprehensive Access Point Placement for IoT Data Transmission Through Train-Wayside Communications in Multi-Environment Based Rail Networks. *Saki, M.*, +, *TVT Oct. 2020 11937-11949*

- A Deep-Learning Method for Device Activity Detection in mMTC Under Imperfect CSI Based on Variational-Autoencoder. *Zhao, T.*, +, *TVT July 2020 7981-7986*
- A Distributed Framework for Energy Trading Between UAVs and Charging Stations for Critical Applications. *Hassija, V.*, +, *TVT May 2020 5391-5402*
- A Lightweight Authentication and Attestation Scheme for In-Transit Vehicles in IoV Scenario. *Alladi, T.*, +, *TVT Dec. 2020 14188-14197*
- A Lightweight Mutual Authentication Protocol for V2V Communication in Internet of Vehicles. *Vasudev, H.*, +, *TVT June 2020 6709-6717*
- A Low-Latency Object Detection Algorithm for the Edge Devices of IoV Systems. *Dai, C.*, +, *TVT Oct. 2020 11169-11178*
- A New Block-Based Reinforcement Learning Approach for Distributed Resource Allocation in Clustered IoT Networks. *Hussain, F.*, +, *TVT March 2020 2891-2904*
- A Privacy-Preserving Secure Framework for Electric Vehicles in IoT Using Matching Market and Signcryption. *Kumar, G.*, +, *TVT July 2020 7707-7722*
- A Reliable Data Loss Aware Algorithm for Fog-IoT Networks. *Abkenar, F.S.*, +, *TVT May 2020 5718-5722*
- Accessibility Analysis and Modeling for IoV in an Urban Scene. *Cheng, J.*, +, *TVT April 2020 4246-4256*
- An Efficient Privacy-Preserving Authenticated Key Agreement Scheme for Edge-Assisted Internet of Drones. *Gope, P.*, +, *TVT Nov. 2020 13621-13630*
- An Enhanced Random Access With Distributed Pilot Orthogonalization for Cellular IoT Networks. *Kim, T.*, +, *TVT Jan. 2020 1152-1156*
- Bayesian Receiver Design for Grant-Free NOMA With Message Passing Based Structured Signal Estimation. *Zhang, Y.*, +, *TVT Aug. 2020 8643-8656*
- Blockchain Empowered Asynchronous Federated Learning for Secure Data Sharing in Internet of Vehicles. *Lu, Y.*, +, *TVT April 2020 4298-4311*
- Blockchain Meets Edge Computing: Stackelberg Game and Double Auction Based Task Offloading for Mobile Blockchain. *Guo, S.*, +, *TVT May 2020 5549-5561*
- Blockchain-Envisioned Secure Data Delivery and Collection Scheme for 5G-Based IoT-Enabled Internet of Drones Environment. *Bera, B.*, +, *TVT Aug. 2020 9097-9111*
- Compressive Sensing Based Massive Access for IoT Relying on Media Modulation Aided Machine Type Communications. *Qiao, L.*, +, *TVT Sept. 2020 10391-10396*
- Computation-Efficient Offloading and Trajectory Scheduling for Multi-UAV Assisted Mobile Edge Computing. *Zhang, J.*, +, *TVT Feb. 2020 2114-2125*
- Connectivity Based DV-Hop Localization for Internet of Things. *Gui, L.*, +, *TVT Aug. 2020 8949-8958*
- Cooperative Offloading and Resource Management for UAV-Enabled Mobile Edge Computing in Power IoT System. *Liu, Y.*, +, *TVT Oct. 2020 12229-12239*
- Deep Learning Based RF Fingerprint Identification Using Differential Constellation Trace Figure. *Peng, L.*, +, *TVT Jan. 2020 1091-1095*
- Deep Reinforcement Learning Aided Intelligent Access Control in Energy Harvesting Based WLAN. *Zhao, Y.*, +, *TVT Nov. 2020 14078-14082*
- Detecting Motion Blurred Vehicle Logo in IoV Using Filter-DeblurGAN and VL-YOLO. *Zhou, L.*, +, *TVT April 2020 3604-3614*
- Detection of Low-Frequency and Multi-Stage Attacks in Industrial Internet of Things. *Li, X.*, +, *TVT Aug. 2020 8820-8831*
- Distributed 3D Relative Localization of UAVs. *Liu, Y.*, +, *TVT Oct. 2020 11756-11770*
- Energy Efficiency for RF-Powered Backscatter Networks Using HTT Protocol. *Shi, L.*, +, *TVT Nov. 2020 13932-13936*
- Energy-Efficient Data Collection for IoT Networks via Cooperative Multi-Hop UAV Networks. *Kim, T.*, +, *TVT Nov. 2020 13796-13811*
- Energy-Efficient Robust Computation Offloading for Fog-IoT Systems. *Wu, Z.*, +, *TVT April 2020 4417-4425*
- FBIA: A Fog-Based Identity Authentication Scheme for Privacy Preservation in Internet of Vehicles. *Song, L.*, +, *TVT May 2020 5403-5415*
- Improving TCP Performance Over WiFi for Internet of Vehicles: A Federated Learning Approach. *Pokhrel, S.R.*, +, *TVT June 2020 6798-6802*
- Joint Unmanned Aerial Vehicle (UAV) Deployment and Power Control for Internet of Things Networks. *Fu, S.*, +, *TVT April 2020 4367-4378*
- LightAMC: Lightweight Automatic Modulation Classification via Deep Learning and Compressive Sensing. *Wang, Y.*, +, *TVT March 2020 3491-3495*
- Mobile Edge Computing via Wireless Power Transfer Over Multiple Fading Blocks: An Optimal Stopping Approach. *Gu, Q.*, +, *TVT Sept. 2020 10348-10361*
- Modeling and Performance Analysis for Ambient Backscattering Underlaying Cellular Networks. *Shi, L.*, +, *TVT June 2020 6563-6577*
- Multi-Variations Activity Based Gaits Recognition Using Commodity WiFi. *Fei, H.*, +, *TVT Feb. 2020 2263-2273*
- NOMA-Assisted On-Demand Transmissions for Monitoring Applications in Industrial IoT Networks. *Lyu, L.*, +, *TVT Oct. 2020 12264-12276*
- On Maximizing Min Source Rate in Power Beacon Assisted IoTs Networks. *He, T.*, +, *TVT Oct. 2020 11880-11892*
- Online Task Allocation and Flying Control in Fog-Aided Internet of Drones. *Yao, J.*, +, *TVT May 2020 5562-5569*
- Performance Analysis and Optimization for the MAC Protocol in UAV-Based IoT Network. *Li, B.*, +, *TVT Aug. 2020 8925-8937*
- Performance Optimization for Blockchain-Enabled Distributed Network Function Virtualization Management and Orchestration. *Fu, X.*, +, *TVT June 2020 6670-6679*
- Pilot-Less One-Shot Sparse Coding for Short Packet-Based Machine-Type Communications. *Wu, J.*, +, *TVT Aug. 2020 9117-9120*
- Power-Time Splitting-Based Non-Linear Energy Harvesting in FD Short-Packet Communications. *Raut, P.*, +, *TVT Aug. 2020 9146-9151*
- Reputation Based Attacker Identification Policy for Multi-Access Edge Computing in Internet of Things. *Sandal, Y.S.*, +, *TVT Dec. 2020 15346-15356*
- Resource Cube: Multi-Virtual Resource Management for Integrated Satellite-Terrestrial Industrial IoT Networks. *Chen, D.*, +, *TVT Oct. 2020 11963-11974*
- Scalable Parallel Task Scheduling for Autonomous Driving Using Multi-Task Deep Reinforcement Learning. *Qi, Q.*, +, *TVT Nov. 2020 13861-13874*
- Security Enhanced Content Sharing in Social IoT: A Directed Hypergraph-Based Learning Scheme. *Wang, B.*, +, *TVT April 2020 4412-4425*
- Spatial Anti-Jamming Scheme for Internet of Satellites Based on the Deep Reinforcement Learning and Stackelberg Game. *Han, C.*, +, *TVT May 2020 5331-5342*
- Spatial Filtering Based Random Access for Machine-Type Communications in Massive MIMO Cellular Networks. *He, Y.*, +, *TVT Oct. 2020 11479-11490*
- Statistical Energy Efficiency Characterization for Wireless Transmission Over Fading Channels. *Yang, H.*, +, *TVT Nov. 2020 13947-13951*
- Subcarrier-Wise Backscatter Communications Over Ambient OFDM for Low Power IoT. *Nemati, M.*, +, *TVT Nov. 2020 13229-13242*
- T-Safe: Trustworthy Service Provisioning for IoT-Based Intelligent Transport Systems. *Dass, P.*, +, *TVT Sept. 2020 9509-9517*
- Throughput Analysis of Low-Latency IoT Systems With QoS Constraints and Finite Blocklength Codes. *Hu, Y.*, +, *TVT March 2020 3093-3104*
- Towards Anti-Interference Human Activity Recognition Based on WiFi Sub-carrier Correlation Selection. *Huang, J.*, +, *TVT June 2020 6739-6754*
- Uplink Coverage and Capacity Analysis of mMTC in Ultra-Dense Networks. *Kamel, M.*, +, *TVT Jan. 2020 746-759*
- Velocity-Free Localization of Autonomous Driverless Vehicles in Underground Intelligent Mines. *Dong, L.*, +, *TVT Sept. 2020 9292-9303*
- Internetworking**
- A Unified Optimisation Framework for QoS Management and Congestion Control in VHTS Systems. *de Cola, T.*, +, *TVT Oct. 2020 11619-11631*
- Interpolation**
- Approximate Gram-Matrix Interpolation for Wideband Massive MU-MIMO Systems. *Jeon, C.*, +, *TVT May 2020 4677-4688*
- Distributed Direct Position Determination. *Ma, F.*, +, *TVT Nov. 2020 14007-14012*

Low-Cost Reconstruction of Typical Driving Cycles Based on Empirical Information and Low-Frequency Speed Data. *Shi, S.*, +, *TVT Aug. 2020 8221-8231*

On Angular Sampling Intervals for Reconstructing Wideband Channel Spatial Profiles in Directional Scanning Measurements. *Fan, W.*, +, *TVT Nov. 2020 13910-13915*

P2B: Privacy Preserving Identity-Based Broadcast Proxy Re-Encryption. *Maiti, S.*, +, *TVT May 2020 5610-5617*

Polynomial Augmented Extended Kalman Filter to Estimate the State of Charge of Lithium-Ion Batteries. *Haus, B.*, +, *TVT Feb. 2020 1452-1463*

Intersymbol interference

A Simple Variational Bayes Detector for Orthogonal Time Frequency Space (OTFS) Modulation. *Yuan, W.*, +, *TVT July 2020 7976-7980*

Complementary Coded CDMA Systems With CP-Free OFDM. *Wang, X.*, +, *TVT Oct. 2020 11515-11528*

Comprehensive Effects of Imperfect Synchronization and Channel Estimation on Known Interference Cancellation. *Guo, W.*, +, *TVT Jan. 2020 457-470*

Iterative Processing Structure for the Single-Channel Mixture of Digital-Modulated Adjacent-Frequency Source Signals. *Yang, Y.*, +, *TVT Feb. 2020 1639-1650*

Low Complexity Least Minimum Symbol Error Rate Based Post-Distortion for Vehicular VLC. *Mitra, R.*, +, *TVT Oct. 2020 11800-11810*

Time-Domain vs. Frequency-Domain Equalization for FTN Signaling. *Li, S.*, +, *TVT Aug. 2020 9174-9179*

UWB Receiver via Deep Learning in MUI and ISI Scenarios. *Sharma, S.*, +, *TVT March 2020 3496-3499*

Inverse transforms

Efficient Design of Selective Mapping and Partial Transmit Sequence Using T-OFDM. *Ahmed, M.S.*, +, *TVT March 2020 2636-2648*

Inverters

A Reconfigurable On-Board Power Converter for Electric Vehicle With Reduced Switch Count. *Meher, S.R.*, +, *TVT April 2020 3760-3772*

An On-Line Multiple Open-Circuit Fault Diagnostic Technique for Railway Vehicle Air-Conditioning Inverters. *Li, K.*, +, *TVT July 2020 7026-7039*

Analysis and Design of a Voltage Equalizer Based on Boost Full-Bridge Inverter and Symmetrical Voltage Multiplier for Series-Connected Batteries. *Yang, X.*, +, *TVT April 2020 3828-3840*

Hierarchical Optimization of an On-Board Supercapacitor Energy Storage System Considering Train Electric Braking Characteristics and System Loss. *Zhong, Z.*, +, *TVT March 2020 2576-2587*

Mitigating the Torque Ripple in Electric Traction Using Proportional Integral Resonant Controller. *Chuan, H.*, +, *TVT Oct. 2020 10820-10831*

Mutual Inductance and Load Identification Method for Inductively Coupled Power Transfer System Based on Auxiliary Inverter. *Sheng, X.*, +, *TVT Feb. 2020 1533-1541*

Optimal Allocation of Inverter-Based WTGS Complying With Their DSTATCOM Functionality and PEV Requirements. *Ali, A.*, +, *TVT May 2020 4763-4772*

Protection Strategy for Wireless Charging Electrical Vehicles. *Zhou, H.*, +, *TVT Nov. 2020 13510-13520*

Investment

Introduction to the Special Section on Connected and Autonomous Vehicles: Technologies, Methodologies, and Applications. *Liu, J.*, +, *TVT Sept. 2020 9251-9252*

IP networks

ESAC: An Efficient and Secure Access Control Scheme in Vehicular Named Data Networking. *Jiang, S.*, +, *TVT Sept. 2020 10252-10263*

Securing SOME/IP for In-Vehicle Service Protection. *Iorio, M.*, +, *TVT Nov. 2020 13450-13466*

IPTV

Design and Analysis of CQI Feedback Reduction Mechanism for Adaptive Multicast IPTV in Wireless Cellular Networks. *Li, M.*, +, *TVT Feb. 2020 2008-2020*

Iron

PMSM Design for Achieving a Target Torque-Speed-Efficiency Map. *Candelozuluaga, C.*, +, *TVT Dec. 2020 14448-14457*

ISO standards

SEDAN: Security-Aware Design of Time-Critical Automotive Networks. *Kukkala, V.K.*, +, *TVT Aug. 2020 9017-9030*

Iterative algorithms

Deep Learning Based Power Allocation for Workload Driven Full-Duplex D2D-Aided Underlying Networks. *Du, C.*, +, *TVT Dec. 2020 15880-15892*

Iterative decoding

Analysis and Optimization of Tail-Biting Spatially Coupled Protograph LDPC Codes for BICM-ID Systems. *Yang, Z.*, +, *TVT Jan. 2020 390-404*

Proactive Eavesdropping of Suspicious Non-Orthogonal Multiple Access Networks. *Xu, D.*, *TVT Nov. 2020 13958-13963*

Iterative learning control

Learning at the Racetrack: Data-Driven Methods to Improve Racing Performance Over Multiple Laps. *Kapania, N.R.*, +, *TVT Aug. 2020 8232-8242*

Iterative methods

3D Drone Base Station Placement and Resource Allocation With FSO-Based Backhaul in Hotspots. *Zhang, S.*, +, *TVT March 2020 3322-3329*

3D-MIMO Dual Communications in SCMA-Based Secure HetNets. *Abedi, M.R.*, +, *TVT Aug. 2020 8499-8513*

A Hierarchical Architecture Using Biased Min-Consensus for USV Path Planning. *Yao, P.*, +, *TVT Sept. 2020 9518-9527*

A Joint Iterative Optimal Resource Allocation Algorithm for Non-Orthogonal Multi-User and Multi-Weight Opportunistic Beamforming Systems. *Sun, W.*, +, *TVT March 2020 2864-2877*

A Model-Driven Deep Reinforcement Learning Heuristic Algorithm for Resource Allocation in Ultra-Dense Cellular Networks. *Liao, X.*, +, *TVT Jan. 2020 983-997*

A Novelty in Blahut-Arimoto Type Algorithms: Optimal Control Over Noisy Communication Channels. *Zamanipour, M.*, *TVT June 2020 6348-6358*

A Simple Variational Bayes Detector for Orthogonal Time Frequency Space (OTFS) Modulation. *Yuan, W.*, +, *TVT July 2020 7976-7980*

Accelerating Parallel Jacobi Method for Matrix Eigenvalue Computation in DOA Estimation Algorithm. *Shi, Z.*, +, *TVT June 2020 6275-6285*

Achievable Rate Region of MISO Interference Channel Aided by Intelligent Reflecting Surface. *Huang, W.*, +, *TVT Dec. 2020 16264-16269*

Adaptive Bitrate Video Streaming in Non-Orthogonal Multiple Access Networks. *Zhang, J.*, +, *TVT April 2020 3980-3993*

An Efficient Calibration of MIMO Channel Sounders With Internal Cross-talk. *Kim, J.*, +, *TVT Sept. 2020 9445-9458*

An Online Buffer-Aware Resource Allocation Algorithm for Multiuser Mobile Video Streaming. *Huang, G.*, +, *TVT March 2020 3357-3369*

An Optimal Policy for Hybrid Channel Access in Cognitive Radio Networks With Energy Harvesting. *Tayel, A.F.*, +, *TVT Oct. 2020 11253-11265*

Antenna Selection for Improving Energy Efficiency in XL-MIMO Systems. *Marinello, J.C.*, +, *TVT Nov. 2020 13305-13318*

AUV-Aided Localization for Underwater Acoustic Sensor Networks With Current Field Estimation. *Yan, J.*, +, *TVT Aug. 2020 8855-8870*

Beam Allocation for Millimeter-Wave MIMO Tracking Systems. *Zhang, D.*, +, *TVT Feb. 2020 1595-1611*

Channel Estimation and Hybrid Precoding for Distributed Phased Arrays Based MIMO Wireless Communications. *Zhang, Y.*, +, *TVT Nov. 2020 12921-12937*

Coded Caching for Smart Grid Enabled HetNets With Resource Allocation and Energy Cooperation. *Yin, F.*, +, *TVT Oct. 2020 12058-12071*

Compressive Sensing Based Massive Access for IoT Relying on Media Modulation Aided Machine Type Communications. *Qiao, L.*, +, *TVT Sept. 2020 10391-10396*

Computation Offloading in Hierarchical Multi-Access Edge Computing Based on Contract Theory and Bayesian Matching Game. *Su, C.*, +, *TVT Nov. 2020 13686-13701*

Computation-Efficient Offloading and Trajectory Scheduling for Multi-UAV Assisted Mobile Edge Computing. *Zhang, J.*, +, *TVT Feb. 2020 2114-2125*

Convex Optimization-Based 2-D DOA Estimation With Enhanced Virtual Aperture and Virtual Snapshots Extension for L-Shaped Array. *Wu, R.*, +, *TVT June 2020 6473-6484*

- Covert Communication Using Null Space and 3D Beamforming: Uncertainty of Willie's Location Information. *Forouzes, M.*, +, *TVT Aug. 2020* 8568-8576
- Delay Minimization for Massive MIMO Assisted Mobile Edge Computing. *Zeng, M.*, +, *TVT June 2020* 6788-6792
- Detection for OFDM-AF Relay Systems Under Gaussian Mixture Noise With Imperfect CSI. *Zhang, J.*, +, *TVT May 2020* 5666-5671
- Distributed Stable Global Broadcasting for SINR-Based Multi-Channel Wireless Multi-Hop Networks. *Tian, X.*, +, *TVT Sept. 2020* 10202-10213
- Dual-Iterative Hybrid Beamforming Design for Millimeter-Wave Massive Multi-User MIMO Systems With Sub-Connected Structure. *Zhang, Y.*, +, *TVT Nov. 2020* 13482-13496
- Dual-Use Signal Design for Radar and Communication via Ambiguity Function Sidelobe Control. *Yang, J.*, +, *TVT Sept. 2020* 9781-9794
- Efficient Hybrid Beamforming With Anti-Blockage Design for High-Speed Railway Communications. *Gao, M.*, +, *TVT Sept. 2020* 9643-9655
- Efficient Low-Complexity Antenna Selection Algorithms in Multi-User Massive MIMO Systems With Matched Filter Precoding. *Abdullah, Z.*, +, *TVT March 2020* 2993-3007
- Energy Efficiency for RF-Powered Backscatter Networks Using HTT Protocol. *Shi, L.*, +, *TVT Nov. 2020* 13932-13936
- Energy Efficiency Maximization for Full-Duplex UAV Secrecy Communication. *Duo, B.*, +, *TVT April 2020* 4590-4595
- Energy- and Spectral-Efficiency Tradeoff With α -Fairness in Energy Harvesting D2D Communication. *Kuang, Z.*, +, *TVT Sept. 2020* 9972-9983
- Energy-Efficient Data Collection for IoT Networks via Cooperative Multi-Hop UAV Networks. *Kim, T.*, +, *TVT Nov. 2020* 13796-13811
- Energy-Efficient Power Allocation and User Selection for mmWave-NOMA Transmission in M2M Communications Underlying Cellular Heterogeneous Networks. *Sobhi-Givi, S.*, +, *TVT Sept. 2020* 9866-9881
- Fast Adaptive Minorization-Maximization Procedure for Beamforming Design of Downlink NOMA Systems. *Lyons, O.*, +, *TVT July 2020* 8023-8027
- Fast Beam Training Architecture for Hybrid mmWave Transceivers. *Yang, J.*, +, *TVT March 2020* 2700-2715
- Fuel Minimization of the Electric Engine Cooling System With Active Grille Shutter by Iterative Quadratic Programming. *Feng, L.*, +, *TVT March 2020* 2621-2635
- Game Theory-Based Multi-Objective Optimization Interference Alignment Algorithm for HSR 5G Heterogeneous Ultra-Dense Network. *Sheng, J.*, +, *TVT Nov. 2020* 13371-13382
- Generalized Space Domain Index Modulation for mmWave Distributed Antenna Systems. *Luo, S.*, +, *TVT Nov. 2020* 14067-14071
- Green Traffic Off-Loading Over Uncertain Shared Spectrums With End-to-End QoS Guarantee. *Li, X.*, +, *TVT Sept. 2020* 9921-9937
- Hybrid Beamforming/Combining for Millimeter Wave MIMO: A Machine Learning Approach. *Chen, J.*, +, *TVT Oct. 2020* 11353-11368
- Hybrid Cooperative Positioning for Vehicular Networks. *Xiong, J.*, +, *TVT Jan. 2020* 714-727
- Improving PHY-Security of UAV-Enabled Transmission With Wireless Energy Harvesting: Robust Trajectory Design and Communications Resource Allocation. *Mamaghani, M.T.*, +, *TVT Aug. 2020* 8586-8600
- Intelligent User-Centric Networks: Learning-Based Downlink CoMP Region Breathing. *Wang, L.*, +, *TVT May 2020* 5583-5597
- Iterative NDA Positioning Using Angle-of-Arrival Measurements for IoT Sensor Networks. *Monfared, S.*, +, *TVT Oct. 2020* 11369-11382
- Iterative Processing Structure for the Single-Channel Mixture of Digital-Modulated Adjacent-Frequency Source Signals. *Yang, Y.*, +, *TVT Feb. 2020* 1639-1650
- Joint 3D Trajectory Design and Time Allocation for UAV-Enabled Wireless Power Transfer Networks. *Feng, W.*, +, *TVT Sept. 2020* 9265-9278
- Joint Optimization Strategy of Computation Offloading and Resource Allocation in Multi-Access Edge Computing Environment. *Li, H.*, +, *TVT Sept. 2020* 10214-10226
- Joint Power and Subcarrier Allocation Optimization for Multigroup Multicast Systems With Rate Splitting. *Chen, H.*, +, *TVT Feb. 2020* 2306-2310
- Joint Resource Management With Distributed Uplink Power Control in Full-Duplex OFDMA Networks. *Sultan, R.*, +, *TVT March 2020* 2850-2863
- Joint Sparse Beamforming and Power Control for a Large-Scale DAS With Network-Assisted Full Duplex. *Xia, X.*, +, *TVT July 2020* 7569-7582
- Joint Transmit Power and Placement Optimization for URLLC-Enabled UAV Relay Systems. *Ren, H.*, +, *TVT July 2020* 8003-8007
- Jointly Optimized 3D Drone Mounted Base Station Deployment and User Association in Drone Assisted Mobile Access Networks. *Sun, X.*, +, *TVT Feb. 2020* 2195-2203
- Latency Minimization for D2D-Enabled Partial Computation Offloading in Mobile Edge Computing. *Saleem, U.*, +, *TVT April 2020* 4472-4486
- Learning to Denoise and Decode: A Novel Residual Neural Network Decoder for Polar Codes. *Zhu, H.*, +, *TVT Aug. 2020* 8725-8738
- Learning-Based Joint Optimization of Transmit Power and Harvesting Time in Wireless-Powered Networks With Co-Channel Interference. *Lee, K.*, +, *TVT March 2020* 3500-3504
- Machine Learning Enabling Analog Beam Selection for Concurrent Transmissions in Millimeter-Wave V2V Communications. *Yang, Y.*, +, *TVT Aug. 2020* 9185-9189
- Max-Min QoS Power Control in Generalized Cell-Free Massive MIMO-NOMA With Optimal Backhaul Combining. *Nguyen, T.K.*, +, *TVT Oct. 2020* 10949-10964
- Millimeter-Wave Base Station Deployment Using the Scenario Sampling Approach. *Dong, M.*, +, *TVT Nov. 2020* 14013-14018
- MIMO Radar Transmit-Receive Design for Moving Target Detection in Signal-Dependent Clutter. *Yu, X.*, +, *TVT Jan. 2020* 522-536
- Mobility and Blockage-Aware Communications in Millimeter-Wave Vehicular Networks. *Hussain, M.*, +, *TVT Nov. 2020* 13072-13086
- Multi-Item Auction Based Mechanism for Mobile Data Offloading: A Robust Optimization Approach. *Liu, D.*, +, *TVT April 2020* 4155-4168
- Multicast Beamforming Optimization in Cloud-Based Heterogeneous Terrestrial and Satellite Networks. *Zhang, H.*, +, *TVT Feb. 2020* 1766-1776
- Multiple CFOs Estimation and Implementation of SC-FDMA Uplink System Using Oversampling and Iterative Method. *Kumar, S.*, +, *TVT June 2020* 6254-6263
- Multisuser Precoding for Sum-Rate Maximization in Relay-Aided mmWave Communications. *Yalcin, A.Z.*, +, *TVT June 2020* 6808-6812
- Network Function Virtualization Resource Allocation Based on Joint Benders Decomposition and ADMM. *Yu, Y.*, +, *TVT Feb. 2020* 1706-1718
- Optimal Energy Cooperation Policy in Fusion Center-Based Sustainable Wireless Sensor Networks. *Liang, H.*, +, *TVT June 2020* 6401-6414
- Optimal Power Allocation in Cooperative Networks With Energy-Saving Protocols. *Ojo, F.K.*, +, *TVT May 2020* 5079-5088
- Optimal Uplink Pilot-Data Power Allocation for Large-Scale Antenna Array-Aided OFDM Systems. *Guo, X.*, +, *TVT Jan. 2020* 428-442
- Optimization of Data Exchange in 5G Vehicle-to-Infrastructure Edge Networks. *Huang, T.*, +, *TVT Sept. 2020* 9376-9389
- Optimizing Weighted-Sum Energy Efficiency in Downlink and Uplink NOMA Systems. *Zamani, M.R.*, +, *TVT Oct. 2020* 11112-11127
- Polar Codes for Fast Fading Channel: Design Based on Polar Spectrum. *Niu, K.*, +, *TVT Sept. 2020* 10103-10114
- Power Minimization for Secure Multi-User MISO NOMA System With Energy Harvesting. *Zhou, J.*, +, *TVT Sept. 2020* 10046-10058
- Practical Hybrid Beamforming With Finite-Resolution Phase Shifters for Reconfigurable Intelligent Surface Based Multi-User Communications. *Di, B.*, +, *TVT April 2020* 4565-4570
- Private Uplink Communication in C-RAN With Untrusted Radios. *Taghizadeh, O.*, +, *TVT July 2020* 8034-8039
- QoE-Driven Transmission-Aware Cache Placement and Cooperative Beamforming Design in Cloud-RANs. *Sun, R.*, +, *TVT Jan. 2020* 636-650
- Realistic Channel Estimation of IEEE 802.11af Systems in TV White Space. *Basaran, M.*, +, *TVT Oct. 2020* 11066-11076
- Receive Beamforming and Resource Allocation for Wireless Powered Non-Orthogonal Multiple Access. *Lee, C.*, +, *TVT April 2020* 4563-4568
- Resonant Beam Charging-Powered UAV-Assisted Sensing Data Collection. *Chen, W.*, +, *TVT Jan. 2020* 1086-1090

- Resource Allocation and Basestation Placement in Downlink Cellular Networks Assisted by Multiple Wireless Powered UAVs. *Yin, S.*, +, *TVT Feb. 2020 2171-2184*
- Resource Allocation and Trajectory Optimization for QoE Provisioning in Energy-Efficient UAV-Enabled Wireless Networks. *Zeng, F.*, +, *TVT July 2020 7634-7647*
- Robust Rate-Maximization Precoder Design for VFDN System. *Liu, W.*, +, *TVT March 2020 2747-2757*
- Robust Secure Beamforming for SWIPT-Aided Relay Systems With Full-Duplex Receiver and Imperfect CSI. *Li, X.*, +, *TVT Feb. 2020 1867-1878*
- Scheduling for Mobile Edge Computing With Random User Arrivals—An Approximate MDP and Reinforcement Learning Approach. *Huang, S.*, +, *TVT July 2020 7735-7750*
- SDP-IGD: An Iterative Power Allocation Technique for Cluster-Based Multihop Vehicular Communications. *Alam, M.Z.*, +, *TVT July 2020 7908-7915*
- Secure Beamforming and Jamming for Multibeam Satellite Systems With Correlated Wiretap Channels. *Cui, G.*, +, *TVT Oct. 2020 12348-12353*
- Securing OFDM-Based NOMA SWIPT Systems. *Badawy, A.*, +, *TVT Oct. 2020 12343-12347*
- Security Enhancement for NOMA-UAV Networks. *Zhao, N.*, +, *TVT April 2020 3994-4005*
- Service-Oriented Fair Resource Allocation and Auction for Civil Airports Augmented Space-Air-Ground Integrated Networks. *Chen, Q.*, +, *TVT Nov. 2020 13658-13672*
- Spatial Spectrum Estimation of Incoherently Distributed Sources Based on Low-Rank Matrix Recovery. *Li, J.*, +, *TVT June 2020 6333-6347*
- Sum-Rate Maximization of Multicell MISO Networks With Limited Information Exchange. *Kim, Y.*, +, *TVT July 2020 7247-7263*
- System-Centric Computation Energy Efficiency for Distributed NOMA-Based MEC Networks. *Ye, Y.*, +, *TVT Aug. 2020 8938-8948*
- Tabu-Search-Based Pilot Assignment for Cell-Free Massive MIMO Systems. *Liu, H.*, +, *TVT Feb. 2020 2286-2290*
- Throughput Maximization of a Hybrid EH-SWIPT Relay System Under Temperature Constraints. *Oshaghi, M.*, +, *TVT Feb. 2020 1792-1801*
- Time-Expanded Graph Based Energy-Efficient Delay-Bounded Multicast Over Satellite Networks. *Shi, K.*, +, *TVT Sept. 2020 10380-10384*
- Towards Massive MIMO Channel Emulation: Channel Accuracy Versus Implementation Resources. *Huang, P.*, +, *TVT May 2020 4635-4651*
- UAV-Aided Wireless Communication Designs With Propulsion Energy Limitations. *Eom, S.*, +, *TVT Jan. 2020 651-662*
- UAV-Enabled Uplink Non-Orthogonal Multiple Access System: Joint Deployment and Power Control. *Lu, J.*, +, *TVT Sept. 2020 10090-10102*
- Uplinks Schedulers for RF-Energy Harvesting Networks With Imperfect CSI. *Liu, Y.*, +, *TVT April 2020 4233-4245*
- Virtual Angular-Domain Channel Estimation for FDD Based Massive MIMO Systems With Partial Orthogonal Pilot Design. *Zhao, P.*, +, *TVT May 2020 5164-5178*
- Vision-Based Race Track SLAM Based Only on Lane Curvature. *Suh, J.*, +, *TVT Feb. 2020 1495-1504*
- Correlation-Based Cooperative Jamming to Enhance Secrecy With Receiver-Side Correlation. *Xu, S.*, +, *TVT Feb. 2020 1903-1912*
- Covert Communication Using Null Space and 3D Beamforming: Uncertainty of Willie's Location Information. *Forouzes, M.*, +, *TVT Aug. 2020 8568-8576*
- DCE-Based Secure Transmission for Massive MIMO Relay System Against Active Eavesdropper. *Lu, X.*, +, *TVT Nov. 2020 13045-13059*
- Design of Anti-Jamming Waveforms for Time-Hopping Spread Spectrum Systems in Tone Jamming Environments. *Jung, H.*, +, *TVT Jan. 2020 728-737*
- Energy Efficiency Maximization for Full-Duplex UAV Secrecy Communication. *Duo, B.*, +, *TVT April 2020 4590-4595*
- Impact of Jamming Attacks on Vehicular Cooperative Adaptive Cruise Control Systems. *Alipour-Fanid, A.*, +, *TVT Nov. 2020 12679-12693*
- Improving PHY-Security of UAV-Enabled Transmission With Wireless Energy Harvesting: Robust Trajectory Design and Communications Resource Allocation. *Mamaghani, M.T.*, +, *TVT Aug. 2020 8586-8600*
- JRNet: Jamming Recognition Networks for Radar Compound Suppression Jamming Signals. *Qu, Q.*, +, *TVT Dec. 2020 15035-15045*
- M-JAW: Mobility-Based Jamming Avoidance in Wireless Sensor Networks. *Misra, S.*, +, *TVT May 2020 5381-5390*
- On the Physical Layer Security of Underlay Relay-Aided Device-to-Device Communications. *Khoshafa, M.H.*, +, *TVT July 2020 7609-7621*
- Opportunistic Relaying and Jamming Based on Secrecy-Rate Maximization for Multiuser Buffer-Aided Relay Systems. *Lu, X.*, +, *TVT Dec. 2020 15269-15283*
- Outage of Cognitive Electric Vehicle Networks Over Mixed RF/VLC Channels With Signal-Dependent Noise and Imperfect CSI. *Naurzybayev, G.*, +, *TVT June 2020 6828-6832*
- Physical Layer Security Designs for 5G NOMA Systems With a Stronger Near-End Internal Eavesdropper. *Zhang, C.*, +, *TVT Nov. 2020 13005-13017*
- Power Optimization for Enhancing Secrecy of Cooperative User Relaying NOMA Networks. *Cao, Y.*, +, *TVT July 2020 8008-8012*
- Power Splitting-Based SWIPT Systems With Full-Duplex Jamming. *Ma, R.*, +, *TVT Sept. 2020 9822-9836*
- Private Uplink Communication in C-RAN With Untrusted Radios. *Taghizadeh, O.*, +, *TVT July 2020 8034-8039*
- Proactive Eavesdropping of Suspicious Non-Orthogonal Multiple Access Networks. *Xu, D.*, +, *TVT Nov. 2020 13958-13963*
- Secure Beamforming and Jamming for Multibeam Satellite Systems With Correlated Wiretap Channels. *Cui, G.*, +, *TVT Oct. 2020 12348-12353*
- Secure Communication With Outdated Channel State Information via Untrusted Relay Capable of Energy Harvesting. *Lim, J.*, +, *TVT Oct. 2020 11323-11337*
- Secure Spatial Modulation via Radio Frequency Mirrors. *Luo, J.*, +, *TVT Aug. 2020 9168-9173*
- Secure Wireless Powered Cooperative Communication Networks With Finite Energy Storage. *Wang, Y.*, +, *TVT Jan. 2020 1008-1022*
- Spatial Anti-Jamming Scheme for Internet of Satellites Based on the Deep Reinforcement Learning and Stackelberg Game. *Han, C.*, +, *TVT May 2020 5331-5342*
- Suppression of Mainbeam Deceptive Jammer With FDA-MIMO Radar. *Lan, L.*, +, *TVT Oct. 2020 11584-11598*
- Target Localization With Jammer Removal Using Frequency Diverse Array. *Liu, Q.*, +, *TVT Oct. 2020 11685-11696*
- UAV-Enabled Secure Communications by Multi-Agent Deep Reinforcement Learning. *Zhang, Y.*, +, *TVT Oct. 2020 11599-11611*

J

Jacobian matrices

- Accelerating Parallel Jacobi Method for Matrix Eigenvalue Computation in DOA Estimation Algorithm. *Shi, Z.*, +, *TVT June 2020 6275-6285*

Jamming

- Achieving Covert Communication in Overlay Cognitive Radio Networks. *Chen, R.*, +, *TVT Dec. 2020 15113-15126*
- Achieving Positive Secrecy Rate in Wireless Multiple Access Wiretap Channels. *He, H.*, +, *TVT Aug. 2020 9121-9125*
- Anti-Jamming 3D Trajectory Design for UAV-Enabled Wireless Sensor Networks Under Probabilistic LoS Channel. *Duo, B.*, +, *TVT Dec. 2020 16288-16293*
- Convert Harm Into Benefit: A Coordination-Learning Based Dynamic Spectrum Anti-Jamming Approach. *Xu, Y.*, +, *TVT Nov. 2020 13018-13032*

Jitter

- Energy-Efficient and Secure Air-to-Ground Communication With Jittering UAV. *Wu, H.*, +, *TVT April 2020 3954-3967*

Joining processes

- Analysis and Improvement of Error-Floor Performance for JSCC Scheme Based on Double Protograph LDPC Codes. *Chen, Q.*, +, *TVT Dec. 2020 14316-14329*

K**Kalman filters**

- A Fast Robust In-Motion Alignment Method for SINS With DVL Aided. *Xu, X.*, +, *TVT April 2020 3816-3827*
- A Method of State-of-Charge Estimation for EV Power Lithium-Ion Battery Using a Novel Adaptive Extended Kalman Filter. *He, Z.*, +, *TVT Dec. 2020 14618-14630*
- A New Quaternion Kalman Filter Based Foot-Mounted IMU and UWB Tightly-Coupled Method for Indoor Pedestrian Navigation. *Wen, K.*, +, *TVT April 2020 4340-4352*
- A Simple and Precise Correction Method for DVL Measurements Under the Dynamic Environment. *Yao, Y.*, +, *TVT Oct. 2020 10750-10758*
- An Adaptive State Machine Based Energy Management Strategy for a Multi-Stack Fuel Cell Hybrid Electric Vehicle. *Macias Fernandez, A.*, +, *TVT Jan. 2020 220-234*
- An IMM-UKF Aided SINS/USBL Calibration Solution for Underwater Vehicles. *Yao, Y.*, +, *TVT April 2020 3740-3747*
- An Integrated GNSS/UWB/DR/VMM Positioning Strategy for Intelligent Vehicles. *Zhu, B.*, +, *TVT Oct. 2020 10842-10853*
- Capturing the Sparsity and Tracking the Channels for Massive MIMO Networks. *Mohammed, A.*, +, *TVT Jan. 2020 685-699*
- Distributed Deception Attack Detection in Platoon-Based Connected Vehicle Systems. *Ju, Z.*, +, *TVT May 2020 4609-4620*
- Enhancing Misbehavior Detection in 5G Vehicle-to-Vehicle Communications. *Nguyen, V.*, +, *TVT Sept. 2020 9417-9430*
- Hybrid Cooperative Positioning for Vehicular Networks. *Xiong, J.*, +, *TVT Jan. 2020 714-727*
- Inertial Navigation and Position Uncertainty During a Blind Safe Stop of an Autonomous Vehicle. *Jonasson, M.*, +, *TVT May 2020 4788-4802*
- Kalman Filter Based Recursive Estimation of Slowly Fading Sparse Channel in Impulsive Noise Environment for OFDM Systems. *Lv, X.*, +, *TVT March 2020 2828-2835*
- Learning and Uncertainty-Exploited Directional Antenna Control for Robust Long-Distance and Broad-Band Aerial Communication. *Liu, M.*, +, *TVT Jan. 2020 593-606*
- Link Reliability-Based Adaptive Routing for Multilevel Vehicular Networks. *Xu, C.*, +, *TVT Oct. 2020 11771-11785*
- Performance Enhancement of INS/GNSS/Refreshed-SLAM Integration for Acceptable Lane-Level Navigation Accuracy. *Chiang, K.*, +, *TVT March 2020 2463-2476*
- Polynomial Augmented Extended Kalman Filter to Estimate the State of Charge of Lithium-Ion Batteries. *Haus, B.*, +, *TVT Feb. 2020 1452-1463*
- Vision-Based Race Track SLAM Based Only on Lane Curvature. *Suh, J.*, +, *TVT Feb. 2020 1495-1504*

Kernel

- Accurate Image-Based Pedestrian Detection With Privacy Preservation. *Yang, H.*, +, *TVT Dec. 2020 14494-14509*
- Kernel MSER-DFE Based Post-Distorter for VLC Using Random Fourier Features. *Jain, S.*, +, *TVT Dec. 2020 16241-16246*

Kinetic theory

- A Joint Design of Platoon Communication and Control Based on LTE-V2V. *Hong, C.*, +, *TVT Dec. 2020 15893-15907*

Knapsack problems

- Cooperative Edge Caching With Location-Based and Popular Contents for Vehicular Networks. *Chen, J.*, +, *TVT Sept. 2020 10291-10305*

L**Labeling**

- Development of Artificial Intelligence to Classify Quality of Transmission Shift Control Using Deep Convolutional Neural Networks. *Kawakami, T.*, +, *TVT Dec. 2020 16168-16172*

Land vehicles

- Detection Performance to Spatially Random UAV Using the Ground Vehicle. *Wang, K.*, +, *TVT Dec. 2020 16320-16324*

Laplace transforms

- Outage Probabilities of Cache and SIC Enabled Downlink MIMO NOMA Cellular Networks With Randomly Distributed Users. *Zheng, J.*, +, *TVT Nov. 2020 13942-13946*

Laser beams

- Coarse-to-Fine Segmentation on LiDAR Point Clouds in Spherical Coordinate and Beyond. *Li, Y.*, +, *TVT Dec. 2020 14588-14601*

Laser radar

- Coarse-to-Fine Segmentation on LiDAR Point Clouds in Spherical Coordinate and Beyond. *Li, Y.*, +, *TVT Dec. 2020 14588-14601*
- Multi-Sensor Multi-Vehicle (MSMV) Localization and Mobility Tracking for Autonomous Driving. *Yang, P.*, +, *TVT Dec. 2020 14355-14364*

Learning (artificial intelligence)

- A Collaborative Gaussian Process Regression Model for Transfer Learning of Capacity Trends Between Li-Ion Battery Cells. *Chehade, A.A.*, +, *TVT Sept. 2020 9542-9552*
- A Decision-Making Strategy for Vehicle Autonomous Braking in Emergency via Deep Reinforcement Learning. *Fu, Y.*, +, *TVT June 2020 5876-5888*
- A Deep Learning Framework for Hybrid Beamforming Without Instantaneous CSI Feedback. *Elbir, A.M.*, *TVT Oct. 2020 11743-11755*
- A Deep-Learning Method for Device Activity Detection in mMTC Under Imperfect CSI Based on Variational-Autoencoder. *Zhao, T.*, +, *TVT July 2020 7981-7986*
- A Distributed Link Scheduler for In-Band Full Duplex Wireless Networks. *Ren, Y.*, +, *TVT May 2020 5255-5267*
- A Joint Service Migration and Mobility Optimization Approach for Vehicular Edge Computing. *Yuan, Q.*, +, *TVT Aug. 2020 9041-9052*
- A MIMO Detector With Deep Learning in the Presence of Correlated Interference. *Xia, J.*, +, *TVT April 2020 4492-4497*
- A Model-Driven Deep Reinforcement Learning Heuristic Algorithm for Resource Allocation in Ultra-Dense Cellular Networks. *Liao, X.*, +, *TVT Jan. 2020 983-997*
- A Multi-Dimension End-to-End CNN Model for Rotating Devices Fault Diagnosis on High-Speed Train Bogie. *Kou, L.*, +, *TVT March 2020 2513-2524*
- A Nash Q-Learning Based Motion Decision Algorithm With Considering Interaction to Traffic Participants. *Xu, C.*, +, *TVT Nov. 2020 12621-12634*
- A New Block-Based Reinforcement Learning Approach for Distributed Resource Allocation in Clustered IoT Networks. *Hussain, F.*, +, *TVT March 2020 2891-2904*
- A Novel Deep Learning and Polar Transformation Framework for an Adaptive Automatic Modulation Classification. *Ghasemzadeh, P.*, +, *TVT Nov. 2020 13243-13258*
- A Pointer Network Based Deep Learning Algorithm for User Pairing in Full-Duplex Wi-Fi Networks. *Zhang, Y.*, +, *TVT Oct. 2020 12363-12368*
- A Reinforcement Learning-Based Adaptive Path Tracking Approach for Autonomous Driving. *Shan, Y.*, +, *TVT Oct. 2020 10581-10595*
- Abnormal Driving Detection With Normalized Driving Behavior Data: A Deep Learning Approach. *Hu, J.*, +, *TVT July 2020 6943-6951*
- Adaptive Bitrate Streaming in Wireless Networks With Transcoding at Network Edge Using Deep Reinforcement Learning. *Guo, Y.*, +, *TVT April 2020 3879-3892*
- Adaptive Bitrate Video Streaming in Non-Orthogonal Multiple Access Networks. *Zhang, J.*, +, *TVT April 2020 3980-3993*
- Adaptive Channel Prediction, Beamforming and Scheduling Design for 5G V2I Network: Analytical and Machine Learning Approaches. *Bogale, T.E.*, +, *TVT May 2020 5055-5067*
- Adaptive Deep Learning Aided Digital Predistorter Considering Dynamic Envelope. *Sun, J.*, +, *TVT April 2020 4487-4491*
- Age of Information Aware Trajectory Planning of UAVs in Intelligent Transportation Systems: A Deep Learning Approach. *Samir, M.*, +, *TVT Nov. 2020 12382-12395*
- An Accurate Device-Free Action Recognition System Using Two-Stream Network. *Sheng, B.*, +, *TVT July 2020 7930-7939*
- An Adaptive Wireless Virtual Reality Framework in Future Wireless Networks: A Distributed Learning Approach. *Guo, F.*, +, *TVT Aug. 2020 8514-8528*

- An Improved Neural Network Pruning Technology for Automatic Modulation Classification in Edge Devices. *Lin, Y.*, +, *TVT May 2020 5703-5706*
- Automatic Modulation Classification for MIMO Systems via Deep Learning and Zero-Forcing Equalization. *Wang, Y.*, +, *TVT May 2020 5688-5692*
- Automatic Modulation Classification Using CNN-LSTM Based Dual-Stream Structure. *Zhang, Z.*, +, *TVT Nov. 2020 13521-13531*
- Autonomous PEV Charging Scheduling Using Dyna-Q Reinforcement Learning. *Wang, F.*, +, *TVT Nov. 2020 12609-12620*
- Autonomous Tracking Using a Swarm of UAVs: A Constrained Multi-Agent Reinforcement Learning Approach. *Chen, Y.*, +, *TVT Nov. 2020 13702-13717*
- Battery-Involved Energy Management for Hybrid Electric Bus Based on Expert-Assistance Deep Deterministic Policy Gradient Algorithm. *Wu, J.*, +, *TVT Nov. 2020 12786-12796*
- Beyond D2D: Full Dimension UAV-to-Everything Communications in 6G. *Zhang, S.*, +, *TVT June 2020 6592-6602*
- Blockchain Empowered Asynchronous Federated Learning for Secure Data Sharing in Internet of Vehicles. *Lu, Y.*, +, *TVT April 2020 4298-4311*
- Broad Echo State Network for Channel Prediction in MIMO-OFDM Systems. *Sui, Y.*, +, *TVT Nov. 2020 13383-13399*
- Caching Placement and Resource Allocation for Cache-Enabling UAV NOMA Networks. *Zhang, T.*, +, *TVT Nov. 2020 12897-12911*
- Capturing the Sparsity and Tracking the Channels for Massive MIMO Networks. *Mohammed, A.*, +, *TVT Jan. 2020 685-699*
- Centralized Cooperation for Connected and Automated Vehicles at Intersections by Proximal Policy Optimization. *Guan, Y.*, +, *TVT Nov. 2020 12597-12608*
- Channel Estimation and Hybrid Precoding for Distributed Phased Arrays Based MIMO Wireless Communications. *Zhang, Y.*, +, *TVT Nov. 2020 12921-12937*
- Cluster-Enabled Cooperative Scheduling Based on Reinforcement Learning for High-Mobility Vehicular Networks. *Xia, Y.*, +, *TVT Nov. 2020 12664-12678*
- Complex ResNet Aided DoA Estimation for Near-Field MIMO Systems. *Cao, Y.*, +, *TVT Oct. 2020 11139-11151*
- Complex-Valued Networks for Automatic Modulation Classification. *Tu, Y.*, +, *TVT Sept. 2020 10085-10089*
- Conditional Weighted Ensemble of Transferred Models for Camera Based Onboard Pedestrian Detection in Railway Driver Support Systems. *Toprak, T.*, +, *TVT May 2020 5041-5054*
- Connected Vehicle Based Distributed Meta-Learning for Online Adaptive Engine/Powertrain Fuel Consumption Modeling. *Ma, X.*, +, *TVT Sept. 2020 9553-9565*
- Content-Aware Traffic Data Completion in ITS Based on Generative Adversarial Nets. *Han, L.*, +, *TVT Oct. 2020 11950-11962*
- Convert Harm Into Benefit: A Coordination-Learning Based Dynamic Spectrum Anti-Jamming Approach. *Xu, Y.*, +, *TVT Nov. 2020 13018-13032*
- Cooperative Caching and Transmission in CoMP-Integrated Cellular Networks Using Reinforcement Learning. *Lin, P.*, +, *TVT May 2020 5508-5520*
- Cooperative Offloading and Resource Management for UAV-Enabled Mobile Edge Computing in Power IoT System. *Liu, Y.*, +, *TVT Oct. 2020 12229-12239*
- Cross-Scenario Device-Free Activity Recognition Based on Deep Adversarial Networks. *Wang, J.*, +, *TVT May 2020 5416-5425*
- Cross-Type Transfer for Deep Reinforcement Learning Based Hybrid Electric Vehicle Energy Management. *Lian, R.*, +, *TVT Aug. 2020 8367-8380*
- Data-Driven Deep Learning to Design Pilot and Channel Estimator for Massive MIMO. *Ma, X.*, +, *TVT May 2020 5677-5682*
- Decentralized Learning Based Indoor Interference Mitigation for 5G-and-Beyond Systems. *Wang, Y.*, +, *TVT Oct. 2020 12124-12135*
- Deep Artificial Noise: Deep Learning-Based Precoding Optimization for Artificial Noise Scheme. *Yun, S.*, +, *TVT March 2020 3465-3469*
- Deep Denoising Neural Network Assisted Compressive Channel Estimation for mmWave Intelligent Reflecting Surfaces. *Liu, S.*, +, *TVT Aug. 2020 9223-9228*
- Deep Learning and Compressive Sensing-Based CSI Feedback in FDD Massive MIMO Systems. *Liang, P.*, +, *TVT Aug. 2020 9217-9222*
- Deep Learning Based RF Fingerprint Identification Using Differential Constellation Trace Figure. *Peng, L.*, +, *TVT Jan. 2020 1091-1095*
- Deep Learning Empowered Traffic Offloading in Intelligent Software Defined Cellular V2X Networks. *Fan, B.*, +, *TVT Nov. 2020 13328-13340*
- Deep Learning-Based Driving Maneuver Prediction System. *Ou, C.*, +, *TVT Feb. 2020 1328-1340*
- Deep Neural Network for Robust Modulation Classification Under Uncertain Noise Conditions. *Hu, S.*, +, *TVT Jan. 2020 564-577*
- Deep Reinforcement Learning Aided Intelligent Access Control in Energy Harvesting Based WLAN. *Zhao, Y.*, +, *TVT Nov. 2020 14078-14082*
- Deep Reinforcement Learning and Permissioned Blockchain for Content Caching in Vehicular Edge Computing and Networks. *Dai, Y.*, +, *TVT April 2020 4312-4324*
- Deep Reinforcement Learning for UAV Navigation Through Massive MIMO Technique. *Huang, H.*, +, *TVT Jan. 2020 1117-1121*
- Deep Reinforcement Learning-Based Adaptive Computation Offloading for MEC in Heterogeneous Vehicular Networks. *Ke, H.*, +, *TVT July 2020 7916-7929*
- Deep Reinforcement Learning-Based Resource Allocation and Power Control in Small Cells With Limited Information Exchange. *Jang, J.*, +, *TVT Nov. 2020 13768-13783*
- DeepChannel: Wireless Channel Quality Prediction Using Deep Learning. *Kulkarni, A.*, +, *TVT Jan. 2020 443-456*
- Detection of Low-Frequency and Multi-Stage Attacks in Industrial Internet of Things. *Li, X.*, +, *TVT Aug. 2020 8820-8831*
- Deterministic Promotion Reinforcement Learning Applied to Longitudinal Velocity Control for Automated Vehicles. *Zhang, Y.*, +, *TVT Jan. 2020 338-348*
- Driving Maneuvers Prediction Based Autonomous Driving Control by Deep Monte Carlo Tree Search. *Chen, J.*, +, *TVT July 2020 7146-7158*
- DwaRa: A Deep Learning-Based Dynamic Toll Pricing Scheme for Intelligent Transportation Systems. *Shukla, A.*, +, *TVT Nov. 2020 12510-12520*
- Edge Computing Resources Reservation in Vehicular Networks: A Meta-Learning Approach. *Chen, D.*, +, *TVT May 2020 5634-5646*
- Edge Intelligence for Energy-Efficient Computation Offloading and Resource Allocation in 5G Beyond. *Dai, Y.*, +, *TVT Oct. 2020 12175-12186*
- Energy-Efficient Channel Switching in Cognitive Radio Networks: A Reinforcement Learning Approach. *Ding, H.*, +, *TVT Oct. 2020 12359-12362*
- Energy-Efficient Power Allocation and Q-Learning-Based Relay Selection for Relay-Aided D2D Communication. *Wang, X.*, +, *TVT June 2020 6452-6462*
- Enhancing the Fuel-Economy of V2I-Assisted Autonomous Driving: A Reinforcement Learning Approach. *Liu, X.*, +, *TVT Aug. 2020 8329-8342*
- EnLSTM-WPEO: Short-Term Traffic Flow Prediction by Ensemble LSTM, NNCT Weight Integration, and Population Extremal Optimization. *Zhao, F.*, +, *TVT Jan. 2020 101-113*
- Error-Tolerant Computation for Voting Classifiers With Multiple Classes. *Liu, S.*, +, *TVT Nov. 2020 13718-13727*
- Extracting and Predicting Taxi Hotspots in Spatiotemporal Dimensions Using Conditional Generative Adversarial Neural Networks. *Yu, H.*, +, *TVT April 2020 3680-3692*
- Extracting Human-Like Driving Behaviors From Expert Driver Data Using Deep Learning. *Sama, K.*, +, *TVT Sept. 2020 9315-9329*
- Fast Beamforming Design via Deep Learning. *Huang, H.*, +, *TVT Jan. 2020 1065-1069*
- Fast Prediction Model of Coupling Coefficient Between Pantograph Arcing and GSM-R Antenna. *Song, Y.*, +, *TVT Oct. 2020 11612-11618*
- FBIA: A Fog-Based Identity Authentication Scheme for Privacy Preservation in Internet of Vehicles. *Song, L.*, +, *TVT May 2020 5403-5415*
- Federated Learning Assisted Multi-UAV Networks. *Zhang, H.*, +, *TVT Nov. 2020 14104-14109*
- Finite-Alphabet Signature Design for Grant-Free NOMA: A Quantized Deep Learning Approach. *Yu, H.*, +, *TVT Oct. 2020 10975-10987*
- FIT: On-the-Fly, In-Situ Training for SNR-Based Rate Selection. *Liu, H.*, +, *TVT Oct. 2020 11295-11307*

- Flight Delay Prediction Based on Aviation Big Data and Machine Learning. *Gui, G.*, +, *TVT Jan. 2020 140-150*
- Freeway Travel Time Prediction Using Deep Hybrid Model – Taking Sun Yat-Sen Freeway as an Example. *Ting, P.*, +, *TVT Aug. 2020 8257-8266*
- Gait Learning Based Authentication for Intelligent Things. *Zhang, H.*, +, *TVT April 2020 4450-4459*
- HetMEC: Heterogeneous Multi-Layer Mobile Edge Computing in the 6 G Era. *Zhang, Y.*, +, *TVT April 2020 4388-4400*
- Human Mobility Prediction Using Sparse Trajectory Data. *Wang, H.*, +, *TVT Sept. 2020 10155-10166*
- Hybrid Precoding for Multiuser Millimeter Wave Massive MIMO Systems: A Deep Learning Approach. *Elbir, A.M.*, +, *TVT Jan. 2020 552-563*
- Impact of Prediction Errors on High Throughput Predictive Resource Allocation. *Guo, J.*, +, *TVT Sept. 2020 9984-9999*
- Importance Weighted Gaussian Process Regression for Transferable Driver Behaviour Learning in the Lane Change Scenario. *Li, Z.*, +, *TVT Nov. 2020 12497-12509*
- Importance-Aware Data Selection and Resource Allocation in Federated Edge Learning System. *He, Y.*, +, *TVT Nov. 2020 13593-13605*
- Improved De-Multipath Neural Network Models With Self-Paced Feature-to-Feature Learning for DOA Estimation in Multipath Environment. *Xiang, H.*, +, *TVT May 2020 5068-5078*
- Improving Massive MIMO Message Passing Detectors With Deep Neural Network. *Tan, X.*, +, *TVT Feb. 2020 1267-1280*
- Improving TCP Performance Over WiFi for Internet of Vehicles: A Federated Learning Approach. *Pokhrel, S.R.*, +, *TVT June 2020 6798-6802*
- Improving the Congestion Control Performance for Mobile Networks in High-Speed Railway via Deep Reinforcement Learning. *Cui, L.*, +, *TVT June 2020 5864-5875*
- Intelligent User-Centric Networks: Learning-Based Downlink CoMP Region Breathing. *Wang, L.*, +, *TVT May 2020 5583-5597*
- Joint Optimization of Handover Control and Power Allocation Based on Multi-Agent Deep Reinforcement Learning. *Guo, D.*, +, *TVT Nov. 2020 13124-13138*
- Learn to Coloring: Fast Response to Perturbation in UAV-Assisted Disaster Relief Networks. *Wang, B.*, +, *TVT March 2020 3505-3509*
- Learning and Uncertainty-Exploited Directional Antenna Control for Robust Long-Distance and Broad-Band Aerial Communication. *Liu, M.*, +, *TVT Jan. 2020 593-606*
- Learning at the Racetrack: Data-Driven Methods to Improve Racing Performance Over Multiple Laps. *Kapania, N.R.*, +, *TVT Aug. 2020 8232-8242*
- Learning Based Joint Cache and Power Allocation in Fog Radio Access Networks. *Rahman, G.M.S.*, +, *TVT April 2020 4401-4411*
- Learning RSSI Feature via Ranking Model for Wi-Fi Fingerprinting Localization. *Chen, P.*, +, *TVT Feb. 2020 1695-1705*
- Learning to Bond in Dense WLANs With Random Traffic Demands. *Luo, Y.*, +, *TVT Oct. 2020 11868-11879*
- Learning to Denoise and Decode: A Novel Residual Neural Network Decoder for Polar Codes. *Zhu, H.*, +, *TVT Aug. 2020 8725-8738*
- Learning-Based Joint Optimization of Transmit Power and Harvesting Time in Wireless-Powered Networks With Co-Channel Interference. *Lee, K.*, +, *TVT March 2020 3500-3504*
- Learning-Based Multi-Channel Access in 5G and Beyond Networks With Fast Time-Varying Channels. *Wang, S.*, +, *TVT May 2020 5203-5218*
- LightAMC: Lightweight Automatic Modulation Classification via Deep Learning and Compressive Sensing. *Wang, Y.*, +, *TVT March 2020 3491-3495*
- Low-Cost and Power-Efficient Massive MIMO Precoding: Architecture and Algorithm Designs. *Chen, J.*, *TVT July 2020 7429-7442*
- Machine Learning Aided Air Traffic Flow Analysis Based on Aviation Big Data. *Gui, G.*, +, *TVT May 2020 4817-4826*
- Machine Learning and Reputation Based Misbehavior Detection in Vehicular Communication Networks. *Gyawali, S.*, +, *TVT Aug. 2020 8871-8885*
- Machine Learning Enabling Analog Beam Selection for Concurrent Transmissions in Millimeter-Wave V2V Communications. *Yang, Y.*, +, *TVT Aug. 2020 9185-9189*
- Machine-Learning-Based Hazardous Spot Detection Framework by Mobile Sensing and Opportunistic Networks. *Watanabe, Y.*, +, *TVT Nov. 2020 13646-13657*
- Mechanism Design for Wireless Powered Spatial Crowdsourcing Networks. *Jiao, Y.*, +, *TVT Jan. 2020 920-934*
- Mode Selection and Resource Allocation in Sliced Fog Radio Access Networks: A Reinforcement Learning Approach. *Xiang, H.*, +, *TVT April 2020 4271-4284*
- Multi-Agent Deep Reinforcement Learning Based Spectrum Allocation for D2D Underlay Communications. *Li, Z.*, +, *TVT Feb. 2020 1828-1840*
- Multi-Agent Deep Reinforcement Learning for Distributed Resource Management in Wirelessly Powered Communication Networks. *Hwang, S.*, +, *TVT Nov. 2020 14055-14060*
- Multi-Agent Deep Reinforcement Learning for Urban Traffic Light Control in Vehicular Networks. *Wu, T.*, +, *TVT Aug. 2020 8243-8256*
- Multi-Agent Deep Reinforcement Learning-Based Flexible Satellite Payload for Mobile Terminals. *Hu, X.*, +, *TVT Sept. 2020 9849-9865*
- Multi-Armed Bandit Learning for Computation-Intensive Services in MEC-Empowered Vehicular Networks. *Dai, P.*, +, *TVT July 2020 7821-7834*
- Multi-Feature Fusion Based Recognition and Relevance Analysis of Propagation Scenes for High-Speed Railway Channels. *Zhou, T.*, +, *TVT Aug. 2020 8107-8118*
- Multi-Path Deep CNNs for Fine-Grained Car Recognition. *Wang, H.*, +, *TVT Oct. 2020 10484-10493*
- Multi-Task Learning at the Mobile Edge: An Effective Way to Combine Traffic Classification and Prediction. *Rago, A.*, +, *TVT Sept. 2020 10362-10374*
- Online Rating Protocol Using Endogenous and Incremental Learning Design for Mobile Crowdsensing. *Lu, J.*, +, *TVT March 2020 3190-3201*
- Path Planning for UAV-Mounted Mobile Edge Computing With Deep Reinforcement Learning. *Liu, Q.*, +, *TVT May 2020 5723-5728*
- Performance Optimization for Blockchain-Enabled Distributed Network Function Virtualization Management and Orchestration. *Fu, X.*, +, *TVT June 2020 6670-6679*
- Pilot-Less One-Shot Sparse Coding for Short Packet-Based Machine-Type Communications. *Wu, J.*, +, *TVT Aug. 2020 9117-9120*
- Poisoning and Evasion Attacks Against Deep Learning Algorithms in Autonomous Vehicles. *Jiang, W.*, +, *TVT April 2020 4439-4449*
- Power Allocation Based on Reinforcement Learning for MIMO System With Energy Harvesting. *Mu, X.*, +, *TVT July 2020 7622-7633*
- Practical Machine Learning-Based Rate Adaptation Solution for Wi-Fi NICs: IEEE 802.11ac as a Case Study. *Li, C.*, +, *TVT Sept. 2020 10264-10277*
- RACE: Reinforced Cooperative Autonomous Vehicle Collision Avoidance. *Yuan, Y.*, +, *TVT Sept. 2020 9279-9291*
- Real-Time Single-Stage Vehicle Detector Optimized by Multi-Stage Image-Based Online Hard Example Mining. *Lin, C.*, +, *TVT Feb. 2020 1505-1518*
- Reducing Offloading Latency for Digital Twin Edge Networks in 6G. *Sun, W.*, +, *TVT Oct. 2020 12240-12251*
- Regret Matching Learning Based Spectrum Reuse in Small Cell Networks. *Fan, C.*, +, *TVT Jan. 2020 1060-1064*
- Reinforcement Learning Based Cooperative Coded Caching Under Dynamic Popularities in Ultra-Dense Networks. *Gao, S.*, +, *TVT May 2020 5442-5456*
- Reinforcement Learning Based PHY Authentication for VANETs. *Lu, X.*, +, *TVT March 2020 3068-3079*
- Reinforcement Learning for Efficient and Fair Coexistence Between LTE-LAA and Wi-Fi. *Han, M.*, +, *TVT Aug. 2020 8764-8776*
- Reinforcement Learning for Joint Control of Traffic Signals in a Transportation Network. *Lee, J.*, +, *TVT Feb. 2020 1375-1387*
- Robust Lane Detection From Continuous Driving Scenes Using Deep Neural Networks. *Zou, Q.*, +, *TVT Jan. 2020 41-54*
- Route Planning and Power Management for PHEVs With Reinforcement Learning. *Zhang, Q.*, +, *TVT May 2020 4751-4762*
- SAIDuCANT: Specification-Based Automotive Intrusion Detection Using Controller Area Network (CAN) Timing. *Olufowobi, H.*, +, *TVT Feb. 2020 1484-1494*

Scalable Parallel Task Scheduling for Autonomous Driving Using Multi-Task Deep Reinforcement Learning. *Qi, Q.*, +, *TVT Nov. 2020 13861-13874*

Scheduling for Mobile Edge Computing With Random User Arrivals—An Approximate MDP and Reinforcement Learning Approach. *Huang, S.*, +, *TVT July 2020 7735-7750*

Secure SVM Training Over Vertically-Partitioned Datasets Using Consortium Blockchain for Vehicular Social Networks. *Shen, M.*, +, *TVT June 2020 5773-5783*

Security Enhanced Content Sharing in Social IoT: A Directed Hypergraph-Based Learning Scheme. *Wang, B.*, +, *TVT April 2020 4412-4425*

Smoothing-Aided Support Vector Machine Based Nonstationary Video Traffic Prediction Towards 5G Networks. *Li, Y.*, +, *TVT July 2020 7493-7502*

Spatial Anti-Jamming Scheme for Internet of Satellites Based on the Deep Reinforcement Learning and Stackelberg Game. *Han, C.*, +, *TVT May 2020 5331-5342*

Stabilization Approaches for Reinforcement Learning-Based End-to-End Autonomous Driving. *Chen, S.*, +, *TVT May 2020 4740-4750*

State-Aware Rate Adaptation for UAVs by Incorporating On-Board Sensors. *He, S.*, +, *TVT Jan. 2020 488-496*

State-of-Health Estimation and Remaining-Useful-Life Prediction for Lithium-Ion Battery Using a Hybrid Data-Driven Method. *Gou, B.*, +, *TVT Oct. 2020 10854-10867*

Subcarrier Assignment Schemes Based on Q-Learning in Wideband Cognitive Radio Networks. *Zhou, Y.*, +, *TVT Jan. 2020 1168-1172*

Tensor Communication Waveform Design With Semi-Blind Receiver in the MIMO System. *Dou, Z.*, +, *TVT Feb. 2020 1727-1740*

Trailer Mass Estimation Using System Model-Based and Machine Learning Approaches. *Korayem, A.H.*, +, *TVT Nov. 2020 12536-12546*

UAV-Enabled Secure Communications by Multi-Agent Deep Reinforcement Learning. *Zhang, Y.*, +, *TVT Oct. 2020 11599-11611*

Using Reinforcement Learning to Minimize the Probability of Delay Occurrence in Transportation. *Cao, Z.*, +, *TVT March 2020 2424-2436*

UWB Receiver via Deep Learning in MUI and ISI Scenarios. *Sharma, S.*, +, *TVT March 2020 3496-3499*

UWB System for Indoor Positioning and Tracking With Arbitrary Target Orientation, Optimal Anchor Location, and Adaptive NLOS Mitigation. *Chen, Y.*, +, *TVT Sept. 2020 9304-9314*

Vehicle Type Recognition From Surveillance Data Based on Deep Active Learning. *Ding, X.*, +, *TVT March 2020 2477-2486*

Vehicle-Assisted Data Delivery in Smart City: A Deep Learning Approach. *Liu, W.*, +, *TVT Nov. 2020 13849-13860*

Whale Optimization Algorithm With Applications to Resource Allocation in Wireless Networks. *Pham, Q.*, +, *TVT April 2020 4285-4297*

Learning systems

Dynamic Output Feedback Fault Tolerant Control for Unmanned Underwater Vehicles. *Wang, X.*, +, *TVT April 2020 3693-3702*

Least mean squares methods

Adaptive Turbo Equalization for Differential OFDM Systems in Underwater Acoustic Communications. *Zhao, S.*, +, *TVT Nov. 2020 13937-13941*

Backscatter Communication Powered By Selective Relaying. *Li, D.*, *TVT Nov. 2020 14037-14042*

Complementary Coded CDMA Systems With CP-Free OFDM. *Wang, X.*, +, *TVT Oct. 2020 11515-11528*

Design of Optimal Non-Uniform Quantizer in Imperfect Noisy Reporting Channels for Collaborative Spectrum Sensing. *Naderipour, M.*, +, *TVT Nov. 2020 12870-12882*

Efficient DOA Estimation Method Using Bias-Compensated Adaptive Filtering. *Liu, C.*, +, *TVT Nov. 2020 13087-13097*

Efficient Hybrid Beamforming With Anti-Blockage Design for High-Speed Railway Communications. *Gao, M.*, +, *TVT Sept. 2020 9643-9655*

Fast Beamforming Design via Deep Learning. *Huang, H.*, +, *TVT Jan. 2020 1065-1069*

Human-Perception-Oriented Pseudo Analog Video Transmissions With Deep Learning. *Tang, X.*, +, *TVT Sept. 2020 9896-9909*

Improving Massive MIMO Message Passing Detectors With Deep Neural Network. *Tan, X.*, +, *TVT Feb. 2020 1267-1280*

Joint Beamforming Design and Receive Antenna Selection for Large-Scale MIMO Wiretap Channels. *Tian, M.*, +, *TVT March 2020 2716-2730*

Joint Uplink/Downlink Discrete Sum Rate Maximization for Full-Duplex Multicell Heterogeneous Networks. *Li, Q.*, +, *TVT March 2020 2758-2770*

Multisuser Precoding for Sum-Rate Maximization in Relay-Aided mmWave Communications. *Yalcin, A.Z.*, +, *TVT June 2020 6808-6812*

Realistic Channel Estimation of IEEE 802.11af Systems in TV White Space. *Basaran, M.*, +, *TVT Oct. 2020 11066-11076*

SDP-IGD: An Iterative Power Allocation Technique for Cluster-Based Multihop Vehicular Communications. *Alam, M.Z.*, +, *TVT July 2020 7908-7915*

Spatial Modulation for Terahertz Communication Systems With Hardware Impairments. *Mao, T.*, +, *TVT April 2020 4553-4557*

Least squares approximations

A Sequential Subspace Method for Millimeter Wave MIMO Channel Estimation. *Zhang, W.*, +, *TVT May 2020 5355-5368*

Adaptive Channel Prediction, Beamforming and Scheduling Design for 5G V2I Network: Analytical and Machine Learning Approaches. *Bogale, T.E.*, +, *TVT May 2020 5055-5067*

An Efficient Calibration of MIMO Channel Sounders With Internal Crosstalk. *Kim, J.*, +, *TVT Sept. 2020 9445-9458*

AUV-Aided Localization for Underwater Acoustic Sensor Networks With Current Field Estimation. *Yan, J.*, +, *TVT Aug. 2020 8855-8870*

Faulty Characteristics and Identification of Increased Connecting and Internal Resistance in Parallel-Connected Lithium-Ion Battery Pack for Electric Vehicles. *Ma, M.*, +, *TVT Oct. 2020 10797-10808*

Multi-Beam Multiplexing Design for Arbitrary Directions Based on the Interleaved Subarray Architecture. *Zhang, J.*, +, *TVT Oct. 2020 11220-11232*

Racecar Longitudinal Control in Unknown and Highly-Varying Driving Conditions. *Pedone, S.*, +, *TVT Nov. 2020 12521-12535*

Legged locomotion

A Co-Phase Traction Power Supply System Based on Asymmetric Three-Leg Hybrid Power Quality Conditioner. *Liu, L.*, +, *TVT Dec. 2020 14645-14656*

Lens antennas

Compressive Sensing Based Channel Estimation for Millimeter-Wave Full-Dimensional MIMO With Lens-Array. *Wan, Z.*, +, *TVT Feb. 2020 2337-2342*

High-Resolution Angle-of-Arrival and Channel Estimation for mmWave Massive MIMO Systems With Lens Antenna Array. *Dong, F.*, +, *TVT Nov. 2020 12963-12973*

Multi-Beam NOMA for Millimeter-Wave Massive MIMO With Lens Antenna Array. *Liu, P.*, +, *TVT Oct. 2020 11570-11583*

Lenses

Channel Modeling for UAV-Based Optical Wireless Links With Nonzero Boresight Pointing Errors. *Dabiri, M.T.*, +, *TVT Dec. 2020 14238-14246*

Libraries

Distributed Video Content Caching Policy With Deep Learning Approaches for D2D Communication. *Liu, Z.*, +, *TVT Dec. 2020 15644-15655*

Life testing

Reliability Prediction of Battery Management System for Electric Vehicles Based on Accelerated Degradation Test: A Semi-Parametric Approach. *Lin, K.*, +, *TVT Nov. 2020 12694-12704*

Light emitting diodes

Design and Performance Analysis of LED-Grouping Based Spatial Modulation in the Visible Light Communication System. *Gao, X.*, +, *TVT July 2020 7317-7324*

Kernel MSER-DFE Based Post-Distorter for VLC Using Random Fourier Features. *Jain, S.*, +, *TVT Dec. 2020 16241-16246*

Low Complexity Least Minimum Symbol Error Rate Based Post-Distortion for Vehicular VLC. *Mitra, R.*, +, *TVT Oct. 2020 11800-11810*

Lighting

End-to-End Recurrent Generative Adversarial Network for Traffic and Surveillance Applications. *Patil, P.W.*, +, *TVT Dec. 2020 14550-14562*

Linear antenna arrays

Convex Optimization-Based 2-D DOA Estimation With Enhanced Virtual Aperture and Virtual Snapshots Extension for L-Shaped Array. *Wu, R.*, +, *TVT June 2020 6473-6484*

DOA Estimation via Sparse Signal Recovery in 4-D Linear Antenna Arrays With Optimized Time Sequences. *Yang, F.*, +, *TVT Jan. 2020 771-783*

Multi-Beam Multiplexing Design for Arbitrary Directions Based on the Interleaved Subarray Architecture. *Zhang, J.*, +, *TVT Oct. 2020 11220-11232*

Performance of Joint Sensing-Communication Cooperative Sensing UAV Network. *Chen, X.*, +, *TVT Dec. 2020 15545-15556*

Single-Layer Wideband End-Fire Dual-Polarized Antenna Array for Device-to-Device Communication in 5G Wireless Systems. *Li, A.*, +, *TVT May 2020 5142-5150*

Linear codes

Index Coding in Vehicle to Vehicle Communication. *Pachat, J.*, +, *TVT Oct. 2020 11926-11936*

Multi-User Linear Precoding in Massively Distributed Polarized Antenna Systems Under Imperfect CSIT. *Park, J.*, +, *TVT May 2020 5268-5280*

On Multi-Hop Short-Packet Communications: Recoding or End-to-End Fountain Coding?. *Li, Y.*, +, *TVT Aug. 2020 9229-9233*

Linear induction motors

Comprehensive Efficiency Optimization of Linear Induction Motors for Urban Transit. *Xu, W.*, +, *TVT Jan. 2020 131-139*

Simplified Model Predictive Thrust Control Based Arbitrary Two Voltage Vectors for Linear Induction Machines in Metro Transportation. *Zou, J.*, +, *TVT July 2020 7092-7103*

Linear machines

Mechanism Investigation of Ring Type Winding in Linear Permanent Magnet Vernier Machine for Improving Force Density. *Bian, F.*, +, *TVT March 2020 2588-2597*

Linear matrix inequalities

Energy-Efficient and Secure Air-to-Ground Communication With Jittering UAV. *Wu, H.*, +, *TVT April 2020 3954-3967*

Energy-Efficient Speed Control of Electric Vehicles: Linear Matrix Inequality Approach. *Veysi, M.*, +, *TVT Oct. 2020 10469-10483*

Multiobjective Beamforming Power Control for Robust SINR Target Tracking and Power Efficiency in Multicell MU-MIMO Wireless System. *Chen, W.*, +, *TVT June 2020 6200-6214*

Pareto-Optimal Pilot Design for Cellular Massive MIMO Systems. *Le, T.A.*, +, *TVT Nov. 2020 13206-13215*

Path Tracking and Direct Yaw Moment Coordinated Control Based on Robust MPC With the Finite Time Horizon for Autonomous Independent-Drive Vehicles. *Peng, H.*, +, *TVT June 2020 6053-6066*

Robust \mathcal{H}_∞ Filtering for Vehicle Sideslip Angle With Quantization and Data Dropouts. *Chang, X.*, +, *TVT Oct. 2020 10435-10445*

Synthesis of Cooperative Adaptive Cruise Control With Feedforward Strategies. *Zhu, Y.*, +, *TVT April 2020 3615-3627*

Linear programming

A Distributed Mobile Fog Computing Scheme for Mobile Delay-Sensitive Applications in SDN-Enabled Vehicular Networks. *Lin, C.*, +, *TVT May 2020 5481-5493*

Age of Information Aware Trajectory Planning of UAVs in Intelligent Transportation Systems: A Deep Learning Approach. *Samir, M.*, +, *TVT Nov. 2020 12382-12395*

Charge-and-Activate Policies for Targets Monitoring in RF-Harvesting Sensor Networks. *Fei, J.*, +, *TVT July 2020 7835-7846*

Computation Offloading in Hierarchical Multi-Access Edge Computing Based on Contract Theory and Bayesian Matching Game. *Su, C.*, +, *TVT Nov. 2020 13686-13701*

Interference Characterization and Power Optimization for Automotive Radar With Directional Antenna. *Chu, P.*, +, *TVT April 2020 3703-3716*

On Maximizing Min Source Rate in Power Beacon Assisted IoTs Networks. *He, T.*, +, *TVT Oct. 2020 11880-11892*

Optimal Service Pricing and Charging Scheduling of an Electric Vehicle Sharing System. *Xie, R.*, +, *TVT Jan. 2020 78-89*

Resource Allocation and Basestation Placement in Downlink Cellular Networks Assisted by Multiple Wireless Powered UAVs. *Yin, S.*, +, *TVT Feb. 2020 2171-2184*

Sizing of a Battery Pack Based on Series/Parallel Configurations for a High-Power Electric Vehicle as a Constrained Optimization Problem. *Pelletier, L.*, +, *TVT Dec. 2020 14150-14159*

Soft-VAN: Mobility-Aware Task Offloading in Software-Defined Vehicular Network. *Misra, S.*, +, *TVT Feb. 2020 2071-2078*

Streaming Delay-, Expenditure- and Quality-Balanced Video Over TV White Space. *Wang, M.*, +, *TVT April 2020 4042-4057*

T-Safe: Trustworthy Service Provisioning for IoT-Based Intelligent Transport Systems. *Dass, P.*, +, *TVT Sept. 2020 9509-9517*

User Access and Resource Allocation in Full-Duplex User-Centric Ultra-Dense Networks. *Zhang, G.*, +, *TVT Oct. 2020 12015-12030*

Whale Optimization Algorithm With Applications to Resource Allocation in Wireless Networks. *Pham, Q.*, +, *TVT April 2020 4285-4297*

Linear quadratic control

Distributed Control of Cooperative Vehicular Platoon With Nonideal Communication Condition. *Ma, F.*, +, *TVT Aug. 2020 8207-8220*

Linear systems

Path Tracking and Direct Yaw Moment Coordinated Control Based on Robust MPC With the Finite Time Horizon for Autonomous Independent-Drive Vehicles. *Peng, H.*, +, *TVT June 2020 6053-6066*

Sensor Fault Detection and Isolation Using a Support Vector Machine for Vehicle Suspension Systems. *Jeong, K.*, +, *TVT April 2020 3852-3863*

Trajectory Tracking Control of Autonomous Vehicle With Random Network Delay. *Luan, Z.*, +, *TVT Aug. 2020 8140-8150*

Linearization techniques

Rear-Steering Based Decentralized Control of Four-Wheel Steering Vehicle. *Wu, Y.*, +, *TVT Oct. 2020 10899-10913*

Lithium compounds

A Collaborative Gaussian Process Regression Model for Transfer Learning of Capacity Trends Between Li-Ion Battery Cells. *Chehade, A.A.*, +, *TVT Sept. 2020 9542-9552*

A Hybrid Method for the Prediction of the Remaining Useful Life of Lithium-Ion Batteries With Accelerated Capacity Degradation. *Cong, X.*, +, *TVT Nov. 2020 12775-12785*

Development of an Equivalent Circuit for Batteries Based on a Distributed Impedance Network. *Khayami, M.*, +, *TVT June 2020 6119-6128*

Faulty Characteristics and Identification of Increased Connecting and Internal Resistance in Parallel-Connected Lithium-Ion Battery Pack for Electric Vehicles. *Ma, M.*, +, *TVT Oct. 2020 10797-10808*

General Parameter Identification Procedure and Comparative Study of Li-Ion Battery Models. *Miniguano, H.*, +, *TVT Jan. 2020 235-245*

On-Board State Estimation in Electrical Vehicles: Achieving Accuracy and Computational Efficiency Through an Electrochemical Model. *Verma, M.K.S.*, +, *TVT March 2020 2563-2575*

Particle-Filtering-Based Prognostics for the State of Maximum Power Available in Lithium-Ion Batteries at Electromobility Applications. *Diaz, C.*, +, *TVT July 2020 7187-7200*

Polynomial Augmented Extended Kalman Filter to Estimate the State of Charge of Lithium-Ion Batteries. *Haus, B.*, +, *TVT Feb. 2020 1452-1463*

State-of-Health Estimation and Remaining-Useful-Life Prediction for Lithium-Ion Battery Using a Hybrid Data-Driven Method. *Gou, B.*, +, *TVT Oct. 2020 10854-10867*

Lithium-ion batteries

Remaining Useful Life Prediction for Lithium-Ion Batteries Based on Capacity Estimation and Box-Cox Transformation. *Xue, Q.*, +, *TVT Dec. 2020 14765-14779*

Load flow

Integrated Timetable Optimization for Minimum Total Energy Consumption of an AC Railway System. *Pan, Z.*, +, *TVT April 2020 3641-3653*

Power Flow Simulation in the Product Development Process of Modern Vehicular DC Distribution Systems. *Mantilla-Perez, P.*, +, *TVT May 2020 5025-5040*

Load management

Joint Computation Offloading and Demand Response Management in Mobile Edge Network With Renewable Energy Sources. *Liu, Y.*, +, *TVT Dec. 2020 15720-15730*

Load modeling

Distributed Video Content Caching Policy With Deep Learning Approaches for D2D Communication. *Liu, Z.*, +, *TVT Dec. 2020 15644-15655*

Optimal Charging and Routing of Electric Vehicles With Power Constraints and Time-of-Use Energy Prices. *Ferro, G.*, +, *TVT Dec. 2020 14436-14447*

Load regulation

An Adaptive Resilient Load Frequency Controller for Smart Grids With DoS Attacks. *Lu, K.*, +, *TVT May 2020 4689-4699*

LLC Resonant Converter With Damping Split Inductor Improving Light-Load Regulation Ability. *Jing, H.*, +, *TVT Feb. 2020 1428-1439*

Load shedding

Cloudlet-Based Intelligent Auctioning Agents for Truthful Autonomous Electric Vehicles Energy Crowdsourcing. *Yassine, A.*, +, *TVT May 2020 5457-5466*

Loading equipment

Improving the Fuel Efficiency of Compact Wheel Loader With a Series Hydraulic Hybrid Powertrain. *Wen, Q.*, +, *TVT Oct. 2020 10700-10709*

Location based services

Computational Complexity Closed-Form Upper Bounds Derivation for Fingerprint-Based Point-of-Interest Recognition Algorithms. *Bisio, I.*, +, *TVT Aug. 2020 9083-9096*

Human Mobility Prediction Using Sparse Trajectory Data. *Wang, H.*, +, *TVT Sept. 2020 10155-10166*

QoE Analysis in Cache-Enabled Multi-UAV Networks. *Bera, A.*, +, *TVT June 2020 6680-6687*

Zero-to-Stable Driver Identification: A Non-Intrusive and Scalable Driver Identification Scheme. *Rahim, M.A.*, +, *TVT Jan. 2020 163-171*

Log normal distribution

Experimental Study on the Impact of Antenna Characteristics on Non-Stationary V2I Channel Parameters in Tunnels. *Yusuf, M.*, +, *TVT Nov. 2020 12396-12407*

Finding Reliable Paths Considering the Earliest Arrival Time and the Latest Departure Time With 3-Parameter Lognormal Travel Times. *Yang, Z.*, +, *TVT Oct. 2020 10457-10468*

Generalized MGF of Inverse Gaussian Distribution With Applications to Wireless Communications. *Gong, J.*, +, *TVT Feb. 2020 2332-2336*

Spectral Efficiency of Multi-Hop Millimeter Wave Networks Using N^{th} Best Relay Routing Technique. *Ibrahim, M.*, +, *TVT Sept. 2020 9951-9959*

Sum-Throughput Maximization Based on the Significance and Fairness of Sensors for Energy and Information Transfer in Virtual MIMO-WBAN. *Wang, T.*, +, *TVT Nov. 2020 13400-13409*

Logic gates

Congestion and Position Aware Dynamic Routing for the Internet of Vehicles. *Han, R.*, +, *TVT Dec. 2020 16082-16094*

Deep Learning Aided Spectrum Prediction for Satellite Communication Systems. *Ding, X.*, +, *TVT Dec. 2020 16314-16319*

Logistics

Toward Future Green Maritime Transportation: An Overview of Seaport Microgrids and All-Electric Ships. *Fang, S.*, +, *TVT Jan. 2020 207-219*

Long Term Evolution

A Critical MTC Resource Allocation Approach for LTE Networks With Finite Blocklength Codes. *Abdelsadek, M.Y.*, +, *TVT May 2020 5598-5609*

A Fully Distributed and Clustered Learning of Power Control in User-Centric Ultra-Dense HetNets. *Makhanbet, M.*, +, *TVT Oct. 2020 11529-11543*

Analysis of Clustered Licensed-Assisted Access in Unlicensed Spectrum. *Hu, Z.*, +, *TVT Jan. 2020 349-360*

Beyond Vision: Hidden Car Detector With On-Demand Relaying in Vehicular Communications. *Hwang, S.*, +, *TVT Dec. 2020 15177-15187*

DeepChannel: Wireless Channel Quality Prediction Using Deep Learning. *Kulkarni, A.*, +, *TVT Jan. 2020 443-456*

Delay-Aware Resource Management for Multi-Service Coexisting LTE-D2D Networks With Wireless Network Virtualization. *Han, Y.*, +, *TVT July 2020 7339-7353*

Direct Data Detection of OFDM Signals Over Wireless Channels. *Saci, A.*, +, *TVT Nov. 2020 12432-12448*

Distributive Throughput Optimization for Massive Random Access of M2M Communications in LTE Networks. *Zhang, C.*, +, *TVT Oct. 2020 11828-11840*

Efficient Resource Allocation and Power Control for LTE-A D2D Communication With Pure D2D Model. *Lai, W.*, +, *TVT March 2020 3202-3216*

Efficient Sequential Detection of Carrier Frequency Offset and Primary Synchronization Signal for 5G NR Systems. *You, Y.*, +, *TVT Aug. 2020 9212-9216*

Enabling Edge Caching Through Full-Duplex Non-Orthogonal Multiple Access. *Ma, R.*, +, *TVT Oct. 2020 12338-12342*

Flexible DRX Optimization for LTE and 5G. *Moradi, F.*, +, *TVT Jan. 2020 607-621*

Joint Radar-Communication With Cyclic Prefixed Single Carrier Waveforms. *Zeng, Y.*, +, *TVT April 2020 4069-4079*

Localization in 3GPP LTE Based on One RTT and One TDOA Observation. *Radnosrati, K.*, +, *TVT March 2020 3399-3411*

Location Based Joint Spectrum Sensing and Radio Resource Allocation in Cognitive Radio Enabled LTE-U Systems. *Yang, Q.*, +, *TVT March 2020 2967-2979*

LTE Signal Detector for LSA Spectrum Sharing Model in Portugal. *Milheiro, J.*, +, *TVT Dec. 2020 15127-15136*

On the Fairness of the Coexisting LTE-U and WiFi Networks Sharing Multiple Unlicensed Channels. *Hu, H.*, +, *TVT Nov. 2020 13890-13904*

On the Performance of LTE/Wi-Fi Dual-Mode Uplink Transmission: Connection Probability Versus Energy Efficiency. *Zhang, J.*, +, *TVT Oct. 2020 11152-11168*

On Wireless Blind Spots in the C-V2X Sidelink. *Bazzi, A.*, +, *TVT Aug. 2020 9239-9243*

Optimal Selection of Heterogeneous Network Interfaces for High-Speed Rail Communications. *Liu, B.*, +, *TVT Dec. 2020 15005-15018*

Optimizing Live Layered Video Multicasting Over LTE With Mobile Edge Computing. *Hwang, R.*, +, *TVT Oct. 2020 12072-12084*

Performance Modeling of an LTE LAA and WiFi Coexistence System Using the LAA Category-4 LBT Procedure and 802.11e EDCA Mechanism. *Zheng, J.*, +, *TVT June 2020 6603-6618*

Predicted Decoupling for Coexistence Between WiFi and LTE in Unlicensed Band. *Tian, F.*, +, *TVT April 2020 4130-4141*

Proposed ITU-R Compatible Inter-Site and Inter-Sector Interference Models for LTE-Advanced Networks. *Ameen, A.S.*, +, *TVT Dec. 2020 14304-14315*

QoE-Aware Self-Tuning of Service Priority Factor for Resource Allocation Optimization in LTE Networks. *Uthansakul, P.*, +, *TVT Jan. 2020 887-900*

Rate Splitting for Multi-Group Multicasting With a Common Message. *Yalcin, A.Z.*, +, *TVT Oct. 2020 12281-12285*

Reinforcement Learning for Efficient and Fair Coexistence Between LTE-LAA and Wi-Fi. *Han, M.*, +, *TVT Aug. 2020 8764-8776*

Resource Allocation for 5G-Enabled Vehicular Networks in Unlicensed Frequency Bands. *Li, P.*, +, *TVT Nov. 2020 13546-13555*

Robust Rate-Maximization Precoder Design for VFDMA System. *Liu, W.*, +, *TVT March 2020 2747-2757*

Secure and Efficient Privacy-Preserving Authentication Scheme for 5G Software Defined Vehicular Networks. *Huang, J.*, +, *TVT Aug. 2020 8542-8554*

Semi-Blind Post-Equalizer SINR Estimation and Dual CSI Feedback for Radar-Cellular Coexistence. *Rao, R.M.*, +, *TVT Sept. 2020 9720-9735*

Transparent AAA Security Design for Low-Latency MEC-Integrated Cellular Networks. *Li, C.*, +, *TVT March 2020 3231-3243*

Loop antennas

A Tri-Polarized Antenna With Diverse Radiation Characteristics for 5G and V2X Communications. *Feng, B.*, +, *TVT Sept. 2020 10115-10126*

Loss measurement

Calibration of Ray-Tracing With Diffuse Scattering Against 28-GHz Directional Urban Channel Measurements. *Charbonnier, R.*, +, *TVT Dec. 2020 14264-14276*

Losses

LLC Resonant Converter With Damping Split Inductor Improving Light-Load Regulation Ability. *Jing, H., +, TVT Feb. 2020 1428-1439*

Low earth orbit satellites

Deep Learning Aided Spectrum Prediction for Satellite Communication Systems. *Ding, X., +, TVT Dec. 2020 16314-16319*

Spatial Resource Management in LEO Satellite. *Ivanov, A., +, TVT Dec. 2020 15623-15632*

Low-pass filters

Optimal Power Allocation in Battery/Supercapacitor Electric Vehicles Using Convex Optimization. *East, S., +, TVT Nov. 2020 12751-12762*

Low-power electronics

Joint Modulation and Beamforming for MIMO Systems With 1-b DACs. *Han, Y., +, TVT Jan. 2020 1075-1079*

Lyapunov methods

A Novel Terramechanics-Based Path-Tracking Control of Terrain-Based Wheeled Robot Vehicle With Matched-Mismatched Uncertainties. *Taghavifar, H., +, TVT Jan. 2020 67-77*

Adaptive Fuzzy Backstepping-Based Formation Control of Unmanned Surface Vehicles With Unknown Model Nonlinearity and Actuator Saturation. *Zhou, W., +, TVT Dec. 2020 14749-14764*

An Adaptive Resilient Load Frequency Controller for Smart Grids With DoS Attacks. *Lu, K., +, TVT May 2020 4689-4699*

Asymptotic Stabilization of USVs With Actuator Dead-Zones and Yaw Constraints Based on Fixed-Time Disturbance Observer. *Guo, G., +, TVT Jan. 2020 302-316*

Buffer-Aided Secure Relay Networks With SWIPT. *Ren, J., +, TVT June 2020 6485-6499*

Estimation of Transmission Input&Output Shaft Torque and Drive Wheel Speed for Compound Power Split Powertrain Based on Unknown Input Observer. *Li, M., +, TVT May 2020 4883-4893*

Joint Long-Term Energy Efficiency Optimization in C-RAN With Hybrid Energy Supply. *Xu, B., +, TVT Oct. 2020 11128-11138*

Multi-UAV Formation Control Based on a Novel Back-Stepping Approach. *Zhang, J., +, TVT March 2020 2437-2448*

Network Slicing Enabled Resource Management for Service-Oriented Ultra-Reliable and Low-Latency Vehicular Networks. *Chen, Y., +, TVT July 2020 7847-7862*

Neural Networks-Based Sliding Mode Fault-Tolerant Control for High-Speed Trains With Bounded Parameters and Actuator Faults. *Dong, H., +, TVT Feb. 2020 1353-1362*

Optimal Coordinated Control of ARS and DYC for Four-Wheel Steer and In-Wheel Motor Driven Electric Vehicle With Unknown Tire Model. *Wang, Q., +, TVT Oct. 2020 10809-10819*

Optimal Power and Bandwidth Allocation for Multiuser Video Streaming in UAV Relay Networks. *Chen, Y., +, TVT June 2020 6644-6655*

Short-Term Optimal Energy Management of Power-Split Hybrid Electric Vehicles Under Velocity Tracking Control. *Zhang, J., +, TVT Jan. 2020 182-193*

Synthesis of Cooperative Adaptive Cruise Control With Feedforward Strategies. *Zhu, Y., +, TVT April 2020 3615-3627*

Utility Analysis of Radio Access Network Slicing. *Zhou, G., +, TVT Jan. 2020 1163-1167*

M**Machine bearings**

Design of Axial Flux Induction Motor With Reduced Back Iron for Electric Vehicles. *Mei, J., +, TVT Jan. 2020 293-301*

Machine control

A Single-Phase On-Board Two-Stage Integrated Battery Charger for EVs Based on a Five-Phase Hybrid-Excitation Flux-Switching Machine. *Tong, M., +, TVT April 2020 3793-3804*

A Switched Reluctance Motor Torque Ripple Reduction Strategy With Deadbeat Current Control and Active Thermal Management. *Zhang, X., +, TVT Jan. 2020 317-327*

A Variational Approach to MTPA Control of Induction Motor for EVs Range Optimization. *Attaianesi, C., +, TVT July 2020 7014-7025*

Comprehensive Efficiency Optimization of Linear Induction Motors for Urban Transit. *Xu, W., +, TVT Jan. 2020 131-139*

Coordinate Receding Horizon Control for the Power-Shift Process of Multi-speed Electric Vehicles. *Liu, Q., +, TVT Jan. 2020 1055-1059*

Development of an Electric Vehicle Synchronous Reluctance Motor Drive. *Kumar, G. V., +, TVT May 2020 5012-5024*

Energy-Efficient Speed Control of Electric Vehicles: Linear Matrix Inequality Approach. *Veysi, M., +, TVT Oct. 2020 10469-10483*

Maximum Torque Per Ampere (MTPA) Control of IPMSM Systems Based on Controller Parameters Self-Modification. *Wang, H., +, TVT March 2020 2613-2620*

Mitigating the Torque Ripple in Electric Traction Using Proportional Integral Resonant Controller. *Chuan, H., +, TVT Oct. 2020 10820-10831*

Simplified Model Predictive Thrust Control Based Arbitrary Two Voltage Vectors for Linear Induction Machines in Metro Transportation. *Zou, J., +, TVT July 2020 7092-7103*

Torque Ripple Minimization for Inter-Turn Short-Circuit Fault Based on Open-Winding Five Phase FTFSCW-IPM Motor for Electric Vehicle Application. *Fan, Y., +, TVT Jan. 2020 282-292*

Machine learning

Distributed Video Content Caching Policy With Deep Learning Approaches for D2D Communication. *Liu, Z., +, TVT Dec. 2020 15644-15655*

Fast Specific Absorption Rate Aware Beamforming for Downlink SWIPT via Deep Learning. *Zhang, J., +, TVT Dec. 2020 16178-16182*

Machine windings

A New Parallel-Hybrid-Excited Permanent-Magnet Machine With Harmonic-Differential Effect for Electric Vehicles. *Cao, L., +, TVT Nov. 2020 12734-12750*

A Single-Phase On-Board Two-Stage Integrated Battery Charger for EVs Based on a Five-Phase Hybrid-Excitation Flux-Switching Machine. *Tong, M., +, TVT April 2020 3793-3804*

Comprehensive Efficiency Optimization of Linear Induction Motors for Urban Transit. *Xu, W., +, TVT Jan. 2020 131-139*

Mechanism Investigation of Ring Type Winding in Linear Permanent Magnet Vernier Machine for Improving Force Density. *Bian, F., +, TVT March 2020 2588-2597*

Torque Ripple Minimization for Inter-Turn Short-Circuit Fault Based on Open-Winding Five Phase FTFSCW-IPM Motor for Electric Vehicle Application. *Fan, Y., +, TVT Jan. 2020 282-292*

Machine-to-machine communication

Average Age of Information in Short Packet Based Machine Type Communication. *Yu, B., +, TVT Sept. 2020 10306-10319*

Energy-Efficient Power Allocation and User Selection for mmWave-NOMA Transmission in M2M Communications Underlaying Cellular Heterogeneous Networks. *Sobhi-Givi, S., +, TVT Sept. 2020 9866-9881*

Optimal Resource Allocation in Cellular Networks With H2H/M2M Coexistence. *Alhussien, N., +, TVT Nov. 2020 12951-12962*

Pilot-Less One-Shot Sparse Coding for Short Packet-Based Machine-Type Communications. *Wu, J., +, TVT Aug. 2020 9117-9120*

Macrocell networks

Efficient Subchannel Allocation Based on Partial Clustered Interference Alignment and Clusters Merging in Dense Small Cell Networks. *Zhang, H., +, TVT Dec. 2020 16191-16196*

Performance Analysis of Terahertz Unmanned Aerial Vehicular Networks. *Wang, X., +, TVT Dec. 2020 16330-16335*

Magnetic analysis

IPMSM Design for Achieving a Target Torque-Speed-Efficiency Map. *Can-delo-Zuluaga, C., +, TVT Dec. 2020 14448-14457*

Magnetic flux

A Novel Dual-Permanent-Magnet-Excited Machine With Non-Uniformly Distributed Permanent-Magnets and Flux Modulation Poles on the Stator. *Xu, L., +, TVT July 2020 7104-7115*

A Single-Phase On-Board Two-Stage Integrated Battery Charger for EVs Based on a Five-Phase Hybrid-Excitation Flux-Switching Machine. *Tong, M., +, TVT April 2020 3793-3804*

Consequent Pole Permanent Magnet Machine With Modular Stator. *Wang, K., +, TVT July 2020 7054-7063*

Design and Testing of Low Pole Dual-Stator Flux-Switching Permanent Magnet Machine for Electric Vehicle Applications. *Liu, M., +, TVT Feb. 2020 1464-1472*

Design of Axial Flux Induction Motor With Reduced Back Iron for Electric Vehicles. *Mei, J., +, TVT Jan. 2020 293-301*

Mechanical Design and Analysis of a High-Torque Modular Hybrid Excitation Synchronous Machine for Electric Vehicle Propulsion Applications. *Wang, C., +, TVT Sept. 2020 9624-9633*

PMSM Design for Achieving a Target Torque-Speed-Efficiency Map. *Candelo-Zuluaga, C., +, TVT Dec. 2020 14448-14457*

Magnetic forces

Consequent Pole Permanent Magnet Machine With Modular Stator. *Wang, K., +, TVT July 2020 7054-7063*

Magnetic leakage

Design of Axial Flux Induction Motor With Reduced Back Iron for Electric Vehicles. *Mei, J., +, TVT Jan. 2020 293-301*

Mechanical Design and Analysis of a High-Torque Modular Hybrid Excitation Synchronous Machine for Electric Vehicle Propulsion Applications. *Wang, C., +, TVT Sept. 2020 9624-9633*

Magnetic resonance

New Integrated Tripolar Pad Using Double-Sided LCC Compensation for Wireless Power Transfer. *Mosammam, B.M., +, TVT Dec. 2020 15633-15643*

Magnetization

Consequent Pole Permanent Magnet Machine With Modular Stator. *Wang, K., +, TVT July 2020 7054-7063*

Magnetometers

A New Quaternion Kalman Filter Based Foot-Mounted IMU and UWB Tightly-Coupled Method for Indoor Pedestrian Navigation. *Wen, K., +, TVT April 2020 4340-4352*

MEMS Gyro Bias Estimation in Accelerated Motions Using Sensor Fusion of Camera and Angular-Rate Gyroscope. *Nazemipour, A., +, TVT April 2020 3841-3851*

Manganese

Influence and Mitigation of Pedestrian Blockage at mmWave Cellular Networks. *Kumar S, Y., +, TVT Dec. 2020 15442-15457*

Manipulator kinematics

Adaptive Washout Filter Based on Fuzzy Logic for a Motion Simulation Platform With Consideration of Joints' Limitations. *Chalak Qazani, M.R., +, TVT Nov. 2020 12547-12558*

Manipulators

Real-Time Perception and Positioning for Creature Picking of an Underwater Vehicle. *Cui, S., +, TVT April 2020 3783-3792*

Manuals

Development of Artificial Intelligence to Classify Quality of Transmission Shift Control Using Deep Convolutional Neural Networks. *Kawakami, T., +, TVT Dec. 2020 16168-16172*

Marine communication

A Dynamic Trust Evaluation and Update Mechanism Based on C4.5 Decision Tree in Underwater Wireless Sensor Networks. *Jiang, J., +, TVT Aug. 2020 9031-9040*

Intelligent Maritime Networking With Edge Services and Computing Capability. *Su, X., +, TVT Nov. 2020 13606-13620*

TRiForm: Formation Control for Underwater Sensor Networks With Measurement Errors. *Wu, H., +, TVT July 2020 7679-7691*

Marine control

TRiForm: Formation Control for Underwater Sensor Networks With Measurement Errors. *Wu, H., +, TVT July 2020 7679-7691*

Marine power systems

Toward Future Green Maritime Transportation: An Overview of Seaport Microgrids and All-Electric Ships. *Fang, S., +, TVT Jan. 2020 207-219*

Marine vehicles

A Hierarchical Architecture Using Biased Min-Consensus for USV Path Planning. *Yao, P., +, TVT Sept. 2020 9518-9527*

Asymptotic Stabilization of USVs With Actuator Dead-Zones and Yaw Constraints Based on Fixed-Time Disturbance Observer. *Guo, G., +, TVT Jan. 2020 302-316*

Market research

Introduction to the Special Section on Connected and Autonomous Vehicles: Technologies, Methodologies, and Applications. *Liu, J., +, TVT Sept. 2020 9251-9252*

Markov processes

A Restless MAB-Based Index Policy for UL Pilot Allocation in Massive MIMO Over Gauss–Markov Fading Channels. *Yang, F., +, TVT March 2020 3034-3047*

A Wideband Non-Stationary Air-to-Air Channel Model for UAV Communications. *Ma, Z., +, TVT Feb. 2020 1214-1226*

Active Adaptive Battery Aging Management for Electric Vehicles. *Corno, M., +, TVT Jan. 2020 258-269*

Adaptive Bitrate Streaming in Wireless Networks With Transcoding at Network Edge Using Deep Reinforcement Learning. *Guo, Y., +, TVT April 2020 3879-3892*

Adaptive Sum of Markov Chains for Modelling 3D Blockage in mmWave V2I Communications. *Alsaleem, F.N., +, TVT Sept. 2020 9431-9444*

Age of Information Aware Trajectory Planning of UAVs in Intelligent Transportation Systems: A Deep Learning Approach. *Samir, M., +, TVT Nov. 2020 12382-12395*

An Augmentation Function for Active Pedestrian Safety System Based on Crash Risk Evaluation. *Yue, L., +, TVT Nov. 2020 12459-12469*

An Enhanced Random Access With Distributed Pilot Orthogonalization for Cellular IoT Networks. *Kim, T., +, TVT Jan. 2020 1152-1156*

An Optimal Policy for Hybrid Channel Access in Cognitive Radio Networks With Energy Harvesting. *Tayel, A.F., +, TVT Oct. 2020 11253-11265*

AoI-Optimal Joint Sampling and Updating for Wireless Powered Communication Systems. *Abd-Elmagid, M.A., +, TVT Nov. 2020 14110-14115*

Autonomous PEV Charging Scheduling Using Dyna-Q Reinforcement Learning. *Wang, F., +, TVT Nov. 2020 12609-12620*

Autonomous Tracking Using a Swarm of UAVs: A Constrained Multi-Agent Reinforcement Learning Approach. *Chen, Y., +, TVT Nov. 2020 13702-13717*

Caching Placement and Resource Allocation for Cache-Enabling UAV NOMA Networks. *Zhang, T., +, TVT Nov. 2020 12897-12911*

Cooperative Caching and Transmission in CoMP-Integrated Cellular Networks Using Reinforcement Learning. *Lin, P., +, TVT May 2020 5508-5520*

Cooperative Offloading and Resource Management for UAV-Enabled Mobile Edge Computing in Power IoT System. *Liu, Y., +, TVT Oct. 2020 12229-12239*

Deep Reinforcement Learning-Based Adaptive Computation Offloading for MEC in Heterogeneous Vehicular Networks. *Ke, H., +, TVT July 2020 7916-7929*

Design and Analysis of CQI Feedback Reduction Mechanism for Adaptive Multicast IPTV in Wireless Cellular Networks. *Li, M., +, TVT Feb. 2020 2008-2020*

DwaRa: A Deep Learning-Based Dynamic Toll Pricing Scheme for Intelligent Transportation Systems. *Shukla, A., +, TVT Nov. 2020 12510-12520*

Edge Intelligence for Energy-Efficient Computation Offloading and Resource Allocation in 5G Beyond. *Dai, Y., +, TVT Oct. 2020 12175-12186*

Empirical Models for the Realistic Generation of Cooperative Awareness Messages in Vehicular Networks. *Molina-Masegosa, R., +, TVT May 2020 5713-5717*

Low-Cost Reconstruction of Typical Driving Cycles Based on Empirical Information and Low-Frequency Speed Data. *Shi, S., +, TVT Aug. 2020 8221-8231*

MDP-Based Task Offloading for Vehicular Edge Computing Under Certain and Uncertain Transition Probabilities. *Zhang, X., +, TVT March 2020 3296-3309*

Mobility and Blockage-Aware Communications in Millimeter-Wave Vehicular Networks. *Hussain, M., +, TVT Nov. 2020 13072-13086*

Modeling Impact of Concurrent Transmissions in Cluster Based Mobile Caching Networks. *Ahmed, A., +, TVT April 2020 4601-4605*

Online Computation Offloading and Traffic Routing for UAV Swarms in Edge-Cloud Computing. *Liu, B., +, TVT Aug. 2020 8777-8791*

- Optimal Energy Cooperation Policy in Fusion Center-Based Sustainable Wireless Sensor Networks. *Liang, H., +, TVT June 2020 6401-6414*
- Optimization of Multitenant Radio Admission Control Through a Semi-Markov Decision Process. *Perez-Romero, J., +, TVT Jan. 2020 862-875*
- Partial Packet Duplication: Control of Fade and Non-Fade Duration Outages Using Matrix Exponential Distributions. *Tekinay, M., +, TVT May 2020 5652-5656*
- Particle-Filtering-Based Prognostics for the State of Maximum Power Available in Lithium-Ion Batteries at Electromobility Applications. *Diaz, C., +, TVT July 2020 7187-7200*
- Path Planning for UAV-Mounted Mobile Edge Computing With Deep Reinforcement Learning. *Liu, Q., +, TVT May 2020 5723-5728*
- Performance Analysis and Optimization for the MAC Protocol in UAV-Based IoT Network. *Li, B., +, TVT Aug. 2020 8925-8937*
- Performance Analysis of a Delay Constrained Data Offloading Scheme in an Integrated Cloud-Fog-Edge Computing System. *Fantacci, R., +, TVT Oct. 2020 12004-12014*
- Performance Analysis of an Edge Computing SaaS System for Mobile Users. *Bonadio, A., +, TVT Feb. 2020 2049-2057*
- Performance Modeling of an LTE LAA and WiFi Coexistence System Using the LAA Category-4 LBT Procedure and 802.11e EDCA Mechanism. *Zheng, J., +, TVT June 2020 6603-6618*
- Reinforcement Learning Based Cooperative Coded Caching Under Dynamic Popularities in Ultra-Dense Networks. *Gao, S., +, TVT May 2020 5442-5456*
- Robust Event-Triggered Model Predictive Control for Multiple High-Speed Trains With Switching Topologies. *Zhao, H., +, TVT May 2020 4700-4710*
- Scheduling for Mobile Edge Computing With Random User Arrivals—An Approximate MDP and Reinforcement Learning Approach. *Huang, S., +, TVT July 2020 7735-7750*
- Secure Wireless Powered Cooperative Communication Networks With Finite Energy Storage. *Wang, Y., +, TVT Jan. 2020 1008-1022*
- Self-Adaptive Hyper-Heuristic Markov Chain Evolution for Generating Vehicle Multi-Parameter Driving Cycles. *Zhang, M., +, TVT June 2020 6041-6052*
- Socially Privacy-Preserving Data Collection for Crowdsensing. *Yang, G., +, TVT Jan. 2020 851-861*
- Throughput Analysis of Low-Latency IoT Systems With QoS Constraints and Finite Blocklength Codes. *Hu, Y., +, TVT March 2020 3093-3104*

Massive MIMO

- A Study of 2D Non-Stationary Massive MIMO Channels by Transformation of Delay and Angular Power Spectral Densities. *Lopez, C.F., +, TVT Dec. 2020 14212-14224*
- Energy-Efficient Massive MIMO With Decentralized Precoder Design. *Zhang, S., +, TVT Dec. 2020 15370-15384*
- Pilot Length and Channel Estimation for Massive MIMO IoT Systems. *Yan, H., +, TVT Dec. 2020 15532-15544*

Matched filters

- Efficient Low-Complexity Antenna Selection Algorithms in Multi-User Massive MIMO Systems With Matched Filter Precoding. *Abdullah, Z., +, TVT March 2020 2993-3007*
- Identical Code Cyclic Shift Multiple Access—A Bridge Between CDMA and NOMA. *Liu, X., +, TVT March 2020 2878-2890*
- Uplink Interference Analysis of F-OFDM Systems Under Non-Ideal Synchronization. *Chen, H., +, TVT Dec. 2020 15500-15517*

Mathematical analysis

- Impact of Hardware Impairments on the Outage Probability and Ergodic Capacity of One-Way and Two-Way Full-Duplex Relaying Systems. *Nguyen, B.C., +, TVT Aug. 2020 8555-8567*
- On the Distribution of the Ratio of Products of Fisher-Snedecor \mathcal{F} Random Variables and Its Applications. *Du, H., +, TVT Feb. 2020 1855-1866*
- Private Uplink Communication in C-RAN With Untrusted Radios. *Taghizadeh, O., +, TVT July 2020 8034-8039*
- Prospects of 60 GHz mmWave WBAN: A PHY-MAC Joint Approach. *Anjum, M.N., +, TVT June 2020 6153-6164*

Mathematical model

- A Method of State-of-Charge Estimation for EV Power Lithium-Ion Battery Using a Novel Adaptive Extended Kalman Filter. *He, Z., +, TVT Dec. 2020 14618-14630*
- Active Front Steering-Based Electronic Stability Control for Steer-by-Wire Vehicles via Terminal Sliding Mode and Extreme Learning Machine. *Zhang, J., +, TVT Dec. 2020 14713-14726*
- Adaptive Fuzzy Backstepping-Based Formation Control of Unmanned Surface Vehicles With Unknown Model Nonlinearity and Actuator Saturation. *Zhou, W., +, TVT Dec. 2020 14749-14764*
- Automatic Virtual Test Technology for Intelligent Driving Systems Considering Both Coverage and Efficiency. *Gao, F., +, TVT Dec. 2020 14365-14376*
- Downlink Transmit Power Control in Ultra-Dense UAV Network Based on Mean Field Game and Deep Reinforcement Learning. *Li, L., +, TVT Dec. 2020 15594-15605*
- Minimum-Fuel Energy Management of a Hybrid Electric Vehicle via Iterative Linear Programming. *Robuschi, N., +, TVT Dec. 2020 14575-14587*
- Modeling of Complex Planetary Gear Sets Using Power-Oriented Graphs. *Zanasi, R., +, TVT Dec. 2020 14470-14483*
- New Integrated Tripolar Pad Using Double-Sided LCC Compensation for Wireless Power Transfer. *Mosammam, B.M., +, TVT Dec. 2020 15633-15643*
- Optimal Charging and Routing of Electric Vehicles With Power Constraints and Time-of-Use Energy Prices. *Ferro, G., +, TVT Dec. 2020 14436-14447*
- Optimal Control Design for Connected Cruise Control With Stochastic Communication Delays. *Wang, Z., +, TVT Dec. 2020 15357-15369*

Mathematical programming

- Optimal Beam Pattern Design for Hybrid Beamforming in Millimeter Wave Communications. *Wang, W., +, TVT July 2020 7987-7991*
- SDP-IGD: An Iterative Power Allocation Technique for Cluster-Based Multihop Vehicular Communications. *Alam, M.Z., +, TVT July 2020 7908-7915*

Matlab

- Automatic Virtual Test Technology for Intelligent Driving Systems Considering Both Coverage and Efficiency. *Gao, F., +, TVT Dec. 2020 14365-14376*
- Electric Vehicle Powertrain and Fuzzy Control Multi-Objective Optimization, Considering Dual Hybrid Energy Storage Systems. *Eckert, J.J., +, TVT April 2020 3773-3782*
- Nonlinear Motion Control for a Quadrotor Transporting a Cable-Suspended Payload. *Lv, Z., +, TVT Aug. 2020 8192-8206*

Matrix algebra

- A Sequential Subspace Method for Millimeter Wave MIMO Channel Estimation. *Zhang, W., +, TVT May 2020 5355-5368*
- Accurate Analytical-Based Multi-Hop Localization With Low Energy Consumption for Irregular Networks. *Yan, X., +, TVT Feb. 2020 2021-2033*
- Antenna Selection for Improving Energy Efficiency in XL-MIMO Systems. *Marinello, J.C., +, TVT Nov. 2020 13305-13318*
- Channel Capacity of Massive MIMO With Selected Multi-Stream Transmission in Spatially Correlated Fading Environments. *Karasawa, Y., TVT May 2020 5320-5330*
- Compressive Sensing Based Channel Estimation for Millimeter-Wave Full-Dimensional MIMO With Lens-Array. *Wan, Z., +, TVT Feb. 2020 2337-2342*
- Delay-Oriented Caching Strategies in D2D Mobile Networks. *Sun, R., +, TVT Aug. 2020 8529-8541*
- Design of Anti-Jamming Waveforms for Time-Hopping Spread Spectrum Systems in Tone Jamming Environments. *Jung, H., +, TVT Jan. 2020 728-737*
- Enhanced Diversity-Achieving Quadrature Spatial Modulation With Fast Decodability. *Wang, L., +, TVT June 2020 6165-6177*
- Game Theory-Based Multi-Objective Optimization Interference Alignment Algorithm for HSR 5G Heterogeneous Ultra-Dense Network. *Sheng, J., +, TVT Nov. 2020 13371-13382*
- Generalized Space Domain Index Modulation for mmWave Distributed Antenna Systems. *Luo, S., +, TVT Nov. 2020 14067-14071*

- Hybrid Beamforming for mmWave Massive MIMO Systems Employing DFT-Assisted User Clustering. *Soleimani, M.*, +, *TVT Oct. 2020 11646-11658*
- Hybrid Precoding for Multiuser Millimeter Wave Massive MIMO Systems: A Deep Learning Approach. *Elbir, A.M.*, +, *TVT Jan. 2020 552-563*
- Joint 2D-DOD, 2D-DOA, and Polarization Angles Estimation for Bistatic EMVS-MIMO Radar via PARAFAC Analysis. *Wen, F.*, +, *TVT Feb. 2020 1626-1638*
- Low-Complexity Equalization of MIMO-OSDM. *Han, J.*, +, *TVT Feb. 2020 2301-2305*
- Low-Complexity Multistage Optimal Detection for SVD-Based Hybrid Millimeter Wave MIMO Systems. *Wang, X.*, +, *TVT Nov. 2020 13216-13228*
- Low-Complexity Subarray-Based RF Precoding for Wideband Multiuser Millimeter Wave Systems. *Ni, Z.*, +, *TVT July 2020 8028-8033*
- Near-Perfect Code Scrambling With Limited Key Information for Wiretap Channels. *Park, S.*, +, *TVT Nov. 2020 13410-13423*
- On Bounds and Closed-Form Expressions for Capacities of Discrete Memoryless Channels With Invertible Positive Matrices. *Nguyen, T.*, +, *TVT Sept. 2020 9910-9920*
- Partial Packet Duplication: Control of Fade and Non-Fade Duration Outages Using Matrix Exponential Distributions. *Tekinay, M.*, +, *TVT May 2020 5652-5656*
- Secure Degrees of Freedom of Rank-Deficient BCCM and Rank-Deficient ICCM. *Wang, Q.*, +, *TVT April 2020 4033-4041*
- Spatial Spectrum Estimation of Incoherently Distributed Sources Based on Low-Rank Matrix Recovery. *Li, J.*, +, *TVT June 2020 6333-6347*
- Transceiver Design for AF MIMO Relay Systems With a Power Splitting Based Energy Harvesting Relay Node. *Li, B.*, +, *TVT March 2020 2376-2388*
- Matrix decomposition**
- DOA Estimation With Small Snapshots Using Weighted Mixed Norm Based on Spatial Filter. *Liu, B.*, +, *TVT Dec. 2020 16183-16187*
- Smart Proactive Caching: Empower the Video Delivery for Autonomous Vehicles in ICN-Based Networks. *Zhang, Z.*, +, *TVT July 2020 7955-7965*
- Matrix multiplication**
- Efficient Hardware for Generalized Turbo Signal Recovery in Compressed Sensing. *Zhang, C.*, +, *TVT Feb. 2020 1245-1256*
- Maximum likelihood decoding**
- Efficient Sphere Polar Decoding via Synchronous Determination. *Zhou, H.*, +, *TVT June 2020 6777-6781*
- Fast Block Sequential Decoding of Polar Codes. *Trofimiuk, G.*, +, *TVT Oct. 2020 10988-10999*
- Sphere Constraint Based Enumeration Methods to Analyze the Minimum Weight Distribution of Polar Codes. *Piao, J.*, +, *TVT Oct. 2020 11557-11569*
- Maximum likelihood detection**
- A MIMO Detector With Deep Learning in the Presence of Correlated Interference. *Xia, J.*, +, *TVT April 2020 4492-4497*
- A Simple Variational Bayes Detector for Orthogonal Time Frequency Space (OTFS) Modulation. *Yuan, W.*, +, *TVT July 2020 7976-7980*
- Codeword Position Index Modulation Design for Sparse Code Multiple Access System. *Lai, K.*, +, *TVT Nov. 2020 13273-13288*
- Design and Performance Analysis of LED-Grouping Based Spatial Modulation in the Visible Light Communication System. *Gao, X.*, +, *TVT July 2020 7317-7324*
- Energy Efficient Parallel Concatenated Index Modulation and M -ary PSK Aided OFDM-DCSK Communications With QoS Consideration. *Liu, Z.*, +, *TVT Sept. 2020 9469-9482*
- Low-Complexity Multistage Optimal Detection for SVD-Based Hybrid Millimeter Wave MIMO Systems. *Wang, X.*, +, *TVT Nov. 2020 13216-13228*
- Performance Analysis of Dual-Hop Relaying With I/Q Imbalance and Additive Hardware Impairment. *Gao, Y.*, +, *TVT April 2020 4580-4584*
- Maximum likelihood estimation**
- Angular-Domain Channel Estimation for One-Bit Massive MIMO Systems: Performance Bounds and Algorithms. *Liu, F.*, +, *TVT March 2020 2928-2942*
- Blind Fast CFO Estimation and Performance Analysis for OFDM. *Meng, Y.*, +, *TVT Oct. 2020 11501-11514*
- Deep Neural Network for Robust Modulation Classification Under Uncertain Noise Conditions. *Hu, S.*, +, *TVT Jan. 2020 564-577*
- Down-Link NOMA Networks in the Presence of IQI and Imperfect SIC: Receiver Design and Performance Analysis. *Alsmadi, M.M.*, +, *TVT June 2020 6793-6797*
- Machine-Learning-Based Hazardous Spot Detection Framework by Mobile Sensing and Opportunistic Networks. *Watanabe, Y.*, +, *TVT Nov. 2020 13646-13657*
- Multiple Delay Estimation for Collision Resolution in Non-Orthogonal Random Access. *Bai, L.*, +, *TVT Jan. 2020 497-508*
- Spatial Modulation for Terahertz Communication Systems With Hardware Impairments. *Mao, T.*, +, *TVT April 2020 4553-4557*
- Switched Max-Link Relay Selection Based on Maximum Minimum Distance for Cooperative MIMO Systems. *Duarte, F.L.*, +, *TVT Feb. 2020 1928-1941*
- Variable-Block-Length Joint Channel Estimation and Data Detection for Spatial Modulation Over Time-Varying Channels. *Akiba, Y.*, +, *TVT Nov. 2020 13964-13969*
- Maximum likelihood sequence estimation**
- Iterative Processing Structure for the Single-Channel Mixture of Digital-Modulated Adjacent-Frequency Source Signals. *Yang, Y.*, +, *TVT Feb. 2020 1639-1650*
- Maximum principle**
- Look-Ahead Prediction-Based Real-Time Optimal Energy Management for Connected HEVs. *Xu, F.*, +, *TVT March 2020 2537-2551*
- Mean square error methods**
- An Integrated Urban Positioning Algorithm Using Matching, Particle Swarm Optimized Adaptive Neuro Fuzzy Inference System and a Spatial City Model. *Sun, R.*, +, *TVT May 2020 4842-4854*
- Blind Fast CFO Estimation and Performance Analysis for OFDM. *Meng, Y.*, +, *TVT Oct. 2020 11501-11514*
- Cloud and Edge Multicast Beamforming for Cache-Enabled Ultra-Dense Networks. *Huang, W.*, +, *TVT March 2020 3481-3485*
- Data-Driven Deep Learning to Design Pilot and Channel Estimator for Massive MIMO. *Ma, X.*, +, *TVT May 2020 5677-5682*
- DCE-Based Secure Transmission for Massive MIMO Relay System Against Active Eavesdropper. *Lu, X.*, +, *TVT Nov. 2020 13045-13059*
- DeepChannel: Wireless Channel Quality Prediction Using Deep Learning. *Kulkarni, A.*, +, *TVT Jan. 2020 443-456*
- DwaRa: A Deep Learning-Based Dynamic Toll Pricing Scheme for Intelligent Transportation Systems. *Shukla, A.*, +, *TVT Nov. 2020 12510-12520*
- Efficient Hardware for Generalized Turbo Signal Recovery in Compressed Sensing. *Zhang, C.*, +, *TVT Feb. 2020 1245-1256*
- Frequency Synchronization With Beamforming Network Optimization for Uplink Massive MIMO Systems. *Feng, Y.*, +, *TVT March 2020 3486-3490*
- Iterative Processing Structure for the Single-Channel Mixture of Digital-Modulated Adjacent-Frequency Source Signals. *Yang, Y.*, +, *TVT Feb. 2020 1639-1650*
- Joint Channel Estimation and Precoding for Faster-Than-Nyquist Signaling. *Li, Q.*, +, *TVT Nov. 2020 13139-13147*
- Kalman Filter Based Recursive Estimation of Slowly Fading Sparse Channel in Impulsive Noise Environment for OFDM Systems. *Lu, X.*, +, *TVT March 2020 2828-2835*
- Optimal Training Design for MIMO Amplify-and-Forward Two-Way Relay Systems in the Presence of Interference. *Chun, C.*, +, *TVT May 2020 5151-5163*
- Parameter Estimation of Fluctuating Two-Ray Model for Next Generation Mobile Communications. *Shi, B.*, +, *TVT Aug. 2020 8684-8697*
- Pilot Reuse for Vehicle-to-Vehicle Underlay Massive MIMO Transmission. *You, L.*, +, *TVT May 2020 5693-5697*
- Preamble Power Optimization Based on Intrinsic Interference Utilization for OQAM/FBMC Channel Estimation. *Liu, W.*, +, *TVT Nov. 2020 13556-13566*
- Rate Splitting for Multi-Group Multicasting With a Common Message. *Yalcin, A.Z.*, +, *TVT Oct. 2020 12281-12285*

- SDP-IGD: An Iterative Power Allocation Technique for Cluster-Based Multihop Vehicular Communications. *Alam, M.Z., +, TVT July 2020 7908-7915*
- The Comparative Study of S-V Model Between 3.5 and 28 GHz in Indoor and Outdoor Scenarios. *Jiang, T., +, TVT March 2020 2351-2364*
- UWB System for Indoor Positioning and Tracking With Arbitrary Target Orientation, Optimal Anchor Location, and Adaptive NLOS Mitigation. *Chen, Y., +, TVT Sept. 2020 9304-9314*
- Virtual Angular-Domain Channel Estimation for FDD Based Massive MIMO Systems With Partial Orthogonal Pilot Design. *Zhao, P., +, TVT May 2020 5164-5178*
- Measurement**
- Passive Radar at the Roadside Unit to Configure Millimeter Wave Vehicle-to-Infrastructure Links. *Ali, A., +, TVT Dec. 2020 14903-14917*
- Trio-Connectivity for Efficient Uplink Performance in Future Mobile Het-Nets. *Mahbas, A., +, TVT Dec. 2020 15706-15719*
- Measurement by laser beam**
- Coarse-to-Fine Segmentation on LiDAR Point Clouds in Spherical Coordinate and Beyond. *Li, Y., +, TVT Dec. 2020 14588-14601*
- Measurement errors**
- A Simple and Precise Correction Method for DVL Measurements Under the Dynamic Environment. *Yao, Y., +, TVT Oct. 2020 10750-10758*
- An Orientation Navigation Approach Based on INS and Odometer Integration for Underground Unmanned Excavating Machine. *Han, S., +, TVT Oct. 2020 10772-10786*
- Extending Shadow Matching to Tightly-Coupled GNSS/INS Integration System. *Zhang, G., +, TVT May 2020 4979-4991*
- TRiForm: Formation Control for Underwater Sensor Networks With Measurement Errors. *Wu, H., +, TVT July 2020 7679-7691*
- Measurement uncertainty**
- Localization in 3GPP LTE Based on One RTT and One TDOA Observation. *Radnosrati, K., +, TVT March 2020 3399-3411*
- Mechanical contact**
- Effective Measures to Improve Current Collection Quality for Double Pantographs and Catenary Based on Wave Propagation Analysis. *Xu, Z., +, TVT June 2020 6299-6309*
- Mechanical engineering computing**
- A Multi-Dimension End-to-End CNN Model for Rotating Devices Fault Diagnosis on High-Speed Train Bogie. *Kou, L., +, TVT March 2020 2513-2524*
- Connected Vehicle Based Distributed Meta-Learning for Online Adaptive Engine/Powertrain Fuel Consumption Modeling. *Ma, X., +, TVT Sept. 2020 9553-9565*
- Data-Driven Identification of Characteristic Real-Driving Cycles Based on k-Means Clustering and Mixed-Integer Optimization. *Forster, D., +, TVT March 2020 2398-2410*
- Data-Driven Incipient Fault Detection and Diagnosis for the Running Gear in High-Speed Trains. *Cheng, C., +, TVT Sept. 2020 9566-9576*
- Trailer Mass Estimation Using System Model-Based and Machine Learning Approaches. *Korayem, A.H., +, TVT Nov. 2020 12536-12546*
- Mechanical power transmission**
- Energy-Optimal Adaptive Cruise Control for Electric Vehicles Based on Linear and Nonlinear Model Predictive Control. *Jia, Y., +, TVT Dec. 2020 14173-14187*
- Minimum-Fuel Energy Management of a Hybrid Electric Vehicle via Iterative Linear Programming. *Robuschi, N., +, TVT Dec. 2020 14575-14587*
- Power Allocation Strategy Based on Decentralized Convex Optimization in Modular Fuel Cell Systems for Vehicular Applications. *Khalatbarisoltani, A., +, TVT Dec. 2020 14563-14574*
- Systematic Methodology for Architecture Generation and Design Optimization of Hybrid Powertrains. *Kabalan, B., +, TVT Dec. 2020 14846-14857*
- Mechanical stability**
- Trailer Mass Estimation Using System Model-Based and Machine Learning Approaches. *Korayem, A.H., +, TVT Nov. 2020 12536-12546*
- Mechanical strength**
- Mechanical Design and Analysis of a High-Torque Modular Hybrid Excitation Synchronous Machine for Electric Vehicle Propulsion Applications. *Wang, C., +, TVT Sept. 2020 9624-9633*
- Mechatronics**
- A Mechatronic Brake Booster for Electric Vehicles: Design, Control, and Experiment. *Wu, J., +, TVT July 2020 7040-7053*
- Medical services**
- Fuzzy Model Based Control for Energy Management and Optimization in Fuel Cell Vehicles. *Shen, D., +, TVT Dec. 2020 14674-14688*
- Medical signal processing**
- Device-Free Multi-Person Respiration Monitoring Using WiFi. *Gao, Q., +, TVT Nov. 2020 14083-14087*
- Medicine**
- An Adaptive Computation Offloading Mechanism for Mobile Health Applications. *Dai, S., +, TVT Jan. 2020 998-1007*
- Memoryless systems**
- On Bounds and Closed-Form Expressions for Capacities of Discrete Memoryless Channels With Invertible Positive Matrices. *Nguyen, T., +, TVT Sept. 2020 9910-9920*
- Merging**
- Efficient Subchannel Allocation Based on Partial Clustered Interference Alignment and Clusters Merging in Dense Small Cell Networks. *Zhang, H., +, TVT Dec. 2020 16191-16196*
- Message authentication**
- An Efficient Privacy-Preserving Authenticated Key Agreement Scheme for Edge-Assisted Internet of Drones. *Gope, P., +, TVT Nov. 2020 13621-13630*
- An Identity Management and Authentication Scheme Based on Redactable Blockchain for Mobile Networks. *Xu, J., +, TVT June 2020 6688-6698*
- Blockchain Empowered Cooperative Authentication With Data Traceability in Vehicular Edge Computing. *Liu, H., +, TVT April 2020 4221-4232*
- CNN-Based Adaptive Source Node Identifier for Controller Area Network (CAN). *Jeong, W., +, TVT Nov. 2020 13916-13920*
- Highly Efficient Authentication for CAN by Identifier Reallocation With Ordered CMACs. *Groza, B., +, TVT June 2020 6129-6140*
- Lightweight Mutual Authentication Protocol for V2G Using Physical Unclonable Function. *Bansal, G., +, TVT July 2020 7234-7246*
- MAAuth-CAN: Masquerade-Attack-Proof Authentication for In-Vehicle Networks. *Jo, H.J., +, TVT Feb. 2020 2204-2218*
- MPFSLP: Masqueraded Probabilistic Flooding for Source-Location Privacy in VANETs. *Singh, P.K., +, TVT Oct. 2020 11383-11393*
- On the Design of Conditional Privacy Preserving Batch Verification-Based Authentication Scheme for Internet of Vehicles Deployment. *Sutrala, A.K., +, TVT May 2020 5535-5548*
- Reinforcement Learning Based PHY Authentication for VANETs. *Lu, X., +, TVT March 2020 3068-3079*
- Secure and Efficient Privacy-Preserving Authentication Scheme for 5G Software Defined Vehicular Networks. *Huang, J., +, TVT Aug. 2020 8542-8554*
- Transparent AAA Security Design for Low-Latency MEC-Integrated Cellular Networks. *Li, C., +, TVT March 2020 3231-3243*
- Message passing**
- A Generalized VAMP-Based Channel Estimator for Uplink Quantized Massive MIMO Systems. *Xiong, Y., TVT June 2020 6838-6842*
- A Simple Variational Bayes Detector for Orthogonal Time Frequency Space (OTFS) Modulation. *Yuan, W., +, TVT July 2020 7976-7980*
- Bayesian Receiver Design for Grant-Free NOMA With Message Passing Based Structured Signal Estimation. *Zhang, Y., +, TVT Aug. 2020 8643-8656*
- Codeword Position Index Modulation Design for Sparse Code Multiple Access System. *Lai, K., +, TVT Nov. 2020 13273-13288*
- Detection for OFDM-AF Relay Systems Under Gaussian Mixture Noise With Imperfect CSI. *Zhang, J., +, TVT May 2020 5666-5671*
- Efficient Sparse Code Multiple Access Decoder Based on Deterministic Message Passing Algorithm. *Zhang, C., +, TVT April 2020 3562-3574*
- Energy Efficient Resource Allocation for Underlaying Multi-D2D Enabled Multiple-Antennas Communications. *Ozbek, B., +, TVT June 2020 6189-6199*
- Hybrid Cooperative Positioning for Vehicular Networks. *Xiong, J., +, TVT Jan. 2020 714-727*

Improving Massive MIMO Message Passing Detectors With Deep Neural Network. *Tan, X.*, +, *TVT Feb. 2020 1267-1280*

Power Allocation for D2D Communications Using Max-Min Message-Passing Algorithm. *Rashed, S.K.*, +, *TVT Aug. 2020 8443-8458*

Sparse Space-Time-Frequency-Domain Spreading for Large-Scale Non-Orthogonal Multiple Access. *Liu, Y.*, +, *TVT Oct. 2020 12327-12332*

Threshold-Based Edge Selection MPA for SCMA. *Silva, B.F.d.*, +, *TVT March 2020 2957-2966*

Metals

Frame Integrated Wideband Dual-Polarized Arrays for Mm-Wave/Sub-6-GHz Mobile Handsets and Its User Effects. *Li, H.*, +, *TVT Dec. 2020 14330-14340*

Metamaterial antennas

Wideband Dual Circularly Polarized Antenna for Intelligent Transport Systems. *Wen, L.*, +, *TVT May 2020 5193-5202*

Meteorology

A Novel Atmosphere-Informed Data-Driven Predictive Channel Modeling for B5G/6G Satellite-Terrestrial Wireless Communication Systems at Q-Band. *Bai, L.*, +, *TVT Dec. 2020 14225-14237*

End-to-End Recurrent Generative Adversarial Network for Traffic and Surveillance Applications. *Patil, P.W.*, +, *TVT Dec. 2020 14550-14562*

Microcell networks

Efficient Subchannel Allocation Based on Partial Clustered Interference Alignment and Clusters Merging in Dense Small Cell Networks. *Zhang, H.*, +, *TVT Dec. 2020 16191-16196*

Microcontrollers

Highly Efficient Authentication for CAN by Identifier Reallocation With Ordered CMACs. *Groza, B.*, +, *TVT June 2020 6129-6140*

On-Board State Estimation in Electrical Vehicles: Achieving Accuracy and Computational Efficiency Through an Electrochemical Model. *Verma, M.K.S.*, +, *TVT March 2020 2563-2575*

Micromechanical devices

Required Lever Arm Accuracy of Non-Holonomic Constraint for Land Vehicle Navigation. *Zhang, Q.*, +, *TVT Aug. 2020 8305-8316*

Microprocessors

Energy-Efficient Massive MIMO With Decentralized Precoder Design. *Zhang, S.*, +, *TVT Dec. 2020 15370-15384*

Microsensors

A New Quaternion Kalman Filter Based Foot-Mounted IMU and UWB Tightly-Coupled Method for Indoor Pedestrian Navigation. *Wen, K.*, +, *TVT April 2020 4340-4352*

MEMS Gyro Bias Estimation in Accelerated Motions Using Sensor Fusion of Camera and Angular-Rate Gyroscope. *Nazemipour, A.*, +, *TVT April 2020 3841-3851*

Microstrip antenna arrays

A Wideband Beamforming Antenna Array for 802.11ac and 4.9 GHz in Modern Transportation Market. *Tan, M.C.*, +, *TVT March 2020 2659-2670*

Analytical Estimation of Radiation Mode Radar Cross Section (RCS) of Phased Arrays. *Singh, A.*, +, *TVT June 2020 6415-6421*

Compact Filtering Patch Antenna Arrays for Marine Communications. *Liu, G.*, +, *TVT Oct. 2020 11408-11418*

Microstrip antennas

A Reconfigurable Dual-Band Dual-Circularly Polarized Antenna for Vehicle Global Navigation Satellite System Application. *Xu, R.*, +, *TVT Oct. 2020 11857-11867*

A Tri-Polarized Antenna With Diverse Radiation Characteristics for 5G and V2X Communications. *Feng, B.*, +, *TVT Sept. 2020 10115-10126*

Dual-Band Dual-CP All-Metal Antenna With Large Signal Coverage and High Isolation Over Two Bands for Vehicular Communications. *Wang, S.*, +, *TVT Jan. 2020 1131-1135*

Microwave antenna arrays

Compact Filtering Patch Antenna Arrays for Marine Communications. *Liu, G.*, +, *TVT Oct. 2020 11408-11418*

Compact Quad-Element Vertically-Polarized High-Isolation Wideband MIMO Antenna for Vehicular Base Station. *Wang, W.*, +, *TVT Sept. 2020 10000-10008*

Hybrid Massive MIMO for Urban V2I: Sub-6 GHz vs mmWave Performance Assessment. *Pfadler, A.*, +, *TVT May 2020 4652-4662*

Simulation of Multiple-Antenna Terminal Performance in Massive MIMO Systems Based on Indoor Measurements. *Bengtsson, E.L.*, +, *TVT Jan. 2020 418-427*

Microwave filters

Compact Filtering Patch Antenna Arrays for Marine Communications. *Liu, G.*, +, *TVT Oct. 2020 11408-11418*

Microwave links

A Fast Beam Alignment Scheme for Dual-Band HSR Wireless Networks. *Yan, L.*, +, *TVT April 2020 3968-3979*

Microwave propagation

Channel Characterization and Hybrid Modeling for Millimeter-Wave Communications in Metro Train. *He, D.*, +, *TVT Nov. 2020 12408-12417*

Propagation Measurements and Modeling for Low Altitude UAVs From 1 to 24 GHz. *Briso, C.*, +, *TVT March 2020 3439-3443*

The Comparative Study of S-V Model Between 3.5 and 28 GHz in Indoor and Outdoor Scenarios. *Jiang, T.*, +, *TVT March 2020 2351-2364*

The COST IRACON Geometry-Based Stochastic Channel Model for Vehicle-to-Vehicle Communication in Intersections. *Gustafson, C.*, +, *TVT March 2020 2365-2375*

Middleware

Securing SOME/IP for In-Vehicle Service Protection. *Iorio, M.*, +, *TVT Nov. 2020 13450-13466*

The Fabric ICT Platform for Managing Wireless Dynamic Charging Road Lanes. *Cirimele, V.*, +, *TVT March 2020 2501-2512*

Millimeter wave antenna arrays

A Generalized VAMP-Based Channel Estimator for Uplink Quantized Massive MIMO Systems. *Xiong, Y.*, *TVT June 2020 6838-6842*

A Novel Compact, Broadband, High Gain Millimeter-Wave Antenna for 5G Beam Steering Applications. *Ozpinar, H.*, +, *TVT March 2020 2389-2397*

Antenna Array Diagnosis for Millimeter-Wave MIMO Systems. *Ma, S.*, +, *TVT April 2020 4585-4589*

Attractor Selection Based Limited Feedback Hybrid Precoding for Uplink V2I Communications. *Ye, J.*, +, *TVT April 2020 3943-3953*

Beamformer Design for Physical Layer Security in Dual-Polarized Millimeter Wave Channels. *Song, J.*, +, *TVT Oct. 2020 12306-12311*

Compressive Sensing Based Channel Estimation for Millimeter-Wave Full-Dimensional MIMO With Lens-Array. *Wan, Z.*, +, *TVT Feb. 2020 2337-2342*

Dual-Iterative Hybrid Beamforming Design for Millimeter-Wave Massive Multi-User MIMO Systems With Sub-Connected Structure. *Zhang, Y.*, +, *TVT Nov. 2020 13482-13496*

Energy-Efficient Analog Combiner Design Using Low-Resolution Phase Shifters and Antenna Selection for mmWave D2D Communications. *Chen, J.*, *TVT Nov. 2020 13979-13984*

Handset Frame Blockage Reduction of 5G mm-Wave Phased Arrays Using Hard Surface Inspired Structure. *Rodriguez-Cano, R.*, +, *TVT Aug. 2020 8132-8139*

High-Resolution Angle-of-Arrival and Channel Estimation for mmWave Massive MIMO Systems With Lens Antenna Array. *Dong, F.*, +, *TVT Nov. 2020 12963-12973*

Hybrid Beamforming/Combining for Millimeter Wave MIMO: A Machine Learning Approach. *Chen, J.*, +, *TVT Oct. 2020 11353-11368*

Hybrid Combining Based on Constant Phase Shifters and Active/Inactive Switches. *Bahingayi, E.E.*, +, *TVT April 2020 4058-4068*

Impact of Intra-Cluster Angular Spread on the Performance of NLoS Millimeter Wave Links With Imperfect Beam Alignment. *Kutty, S.*, +, *TVT Feb. 2020 1813-1827*

Low-Complexity Multicast Beamforming for Millimeter Wave Communications. *Li, Z.*, +, *TVT Oct. 2020 12317-12320*

Multi-Beam NOMA for Millimeter-Wave Massive MIMO With Lens Antenna Array. *Liu, P.*, +, *TVT Oct. 2020 11570-11583*

Optimal Beam Pattern Design for Hybrid Beamforming in Millimeter Wave Communications. *Wang, W.*, +, *TVT July 2020 7987-7991*

Oversampling Based Analog Beamforming for Initial Access With a Large Number of Receive Antennas. *Wang, X.*, +, *TVT Aug. 2020 8613-8626*

Single-Layer Wideband End-Fire Dual-Polarized Antenna Array for Device-to-Device Communication in 5G Wireless Systems. *Li, A.*, +, *TVT May 2020 5142-5150*

Three-Dimensional Modeling of mmWave Doubly Massive MIMO Aerial Fading Channels. *Michailidis, E.T.*, +, *TVT Feb. 2020 1190-1202*

Millimeter wave antennas

Capacity and Outage of Terahertz Communications With User Micro-Mobility and Beam Misalignment. *Petrov, V.*, +, *TVT June 2020 6822-6827*

Generalized Space Domain Index Modulation for mmWave Distributed Antenna Systems. *Luo, S.*, +, *TVT Nov. 2020 14067-14071*

On Angular Sampling Intervals for Reconstructing Wideband Channel Spatial Profiles in Directional Scanning Measurements. *Fan, W.*, +, *TVT Nov. 2020 13910-13915*

Millimeter wave communication

3D-MIMO Dual Communications in SCMA-Based Secure HetNets. *Abedi, M.R.*, +, *TVT Aug. 2020 8499-8513*

A Fast Beam Alignment Scheme for Dual-Band HSR Wireless Networks. *Yan, L.*, +, *TVT April 2020 3968-3979*

A Generalized VAMP-Based Channel Estimator for Uplink Quantized Massive MIMO Systems. *Xiong, Y.*, *TVT June 2020 6838-6842*

A Sequential Subspace Method for Millimeter Wave MIMO Channel Estimation. *Zhang, W.*, +, *TVT May 2020 5355-5368*

Adaptive Multiuser Transmission Using Millimeter Wave Beam Alignment With User Selection. *Song, J.*, +, *TVT Aug. 2020 9140-9145*

Adaptive Perturbation-Aided Opportunistic Hybrid Beamforming for mmWave Systems. *Van Le, T.*, +, *TVT June 2020 6554-6562*

An Adaptive Wireless Virtual Reality Framework in Future Wireless Networks: A Distributed Learning Approach. *Guo, F.*, +, *TVT Aug. 2020 8514-8528*

Analysis and Optimization of Random Caching in mmWave Heterogeneous Networks. *Yang, L.*, +, *TVT Sept. 2020 10140-10154*

Analysis of Equal Gain Combining Over Fluctuating Two-Ray Channels With Applications to Millimeter-Wave Communications. *Hashemi, H.*, +, *TVT Feb. 2020 1751-1765*

Analysis of SVD-Based Hybrid Schemes for Massive MIMO With Phase Noise and Imperfect Channel Estimation. *Corvaja, R.*, +, *TVT July 2020 7325-7338*

Antenna Array Diagnosis for Millimeter-Wave MIMO Systems. *Ma, S.*, +, *TVT April 2020 4585-4589*

Attractor Selection Based Limited Feedback Hybrid Precoding for Uplink V2I Communications. *Ye, J.*, +, *TVT April 2020 3943-3953*

Augmenting Transmission Environments for Better Communications: Tunable Reflector Assisted MmWave WLANs. *Zhang, L.*, +, *TVT July 2020 7416-7428*

Beamformer Design for Physical Layer Security in Dual-Polarized Millimeter Wave Channels. *Song, J.*, +, *TVT Oct. 2020 12306-12311*

Beamwidth Design for Beam Scanning in Millimeter-Wave Cellular Networks. *Fan, J.*, +, *TVT Jan. 2020 1111-1116*

Capacity Analysis of Coordinated Multipoint Reception for mmWave Uplink With Blockages. *Maham, B.*, +, *TVT Dec. 2020 16299-16303*

Capacity Analysis of Device-to-Device mmWave Networks Under Transceiver Distortion Noise and Imperfect CSI. *Tlebaldiyeva, L.*, +, *TVT May 2020 5707-5712*

Channel Characterization and Hybrid Modeling for Millimeter-Wave Communications in Metro Train. *He, D.*, +, *TVT Nov. 2020 12408-12417*

Channel Estimation and Hybrid Precoding for Distributed Phased Arrays Based MIMO Wireless Communications. *Zhang, Y.*, +, *TVT Nov. 2020 12921-12937*

Coalition Game Based Full-Duplex Popular Content Distribution in mmWave Vehicular Networks. *Wang, Y.*, +, *TVT Nov. 2020 13836-13848*

Compressive Sensing Based Channel Estimation for Millimeter-Wave Full-Dimensional MIMO With Lens-Array. *Wan, Z.*, +, *TVT Feb. 2020 2337-2342*

Coordinated Multiple Access Point Multiuser Beamforming Training Protocol for Millimeter Wave WLANs. *Shen, L.*, +, *TVT Nov. 2020 13875-13889*

Cross-Media Communications With Decode-and-Forward Relay and Optimal Power Allocation. *Li, Y.*, +, *TVT Aug. 2020 9201-9205*

Design and Analysis of Multi-User Association and Beam Training Schemes for Millimeter Wave Based WLANs. *Shen, L.*, +, *TVT July 2020 7458-7472*

Dual-Iterative Hybrid Beamforming Design for Millimeter-Wave Massive Multi-User MIMO Systems With Sub-Connected Structure. *Zhang, Y.*, +, *TVT Nov. 2020 13482-13496*

Energy-Efficient Power Allocation and User Selection for mmWave-NOMA Transmission in M2M Communications Underlying Cellular Heterogeneous Networks. *Sobhi-Givi, S.*, +, *TVT Sept. 2020 9866-9881*

Fast Beam Training Architecture for Hybrid mmWave Transceivers. *Yang, J.*, +, *TVT March 2020 2700-2715*

Generalized Space Domain Index Modulation for mmWave Distributed Antenna Systems. *Luo, S.*, +, *TVT Nov. 2020 14067-14071*

Graph Theory Based Beam Scheduling for Inter-Cell Interference Avoidance in MmWave Cellular Networks. *Sha, Z.*, +, *TVT April 2020 3929-3942*

Hybrid Beamforming for mmWave Massive MIMO Systems Employing DFT-Assisted User Clustering. *Soleimani, M.*, +, *TVT Oct. 2020 11646-11658*

Hybrid Beamforming for Multi-User Millimeter-Wave Networks. *Nasir, A.A.*, +, *TVT March 2020 2943-2956*

Hybrid Beamforming With Variable RF Attenuator for Multi-User mmWave Systems. *Lee, J.*, +, *TVT Aug. 2020 9131-9134*

Hybrid Combining Based on Constant Phase Shifters and Active/Inactive Switches. *Bahingayi, E.E.*, +, *TVT April 2020 4058-4068*

Hybrid Precoder Design With Minimum-Subspace-Distortion Quantization in Multiuser mmWave Communications. *Ni, Z.*, +, *TVT Oct. 2020 11055-11065*

Hybrid Precoding for Multiuser Millimeter Wave Massive MIMO Systems: A Deep Learning Approach. *Elbir, A.M.*, +, *TVT Jan. 2020 552-563*

Intelligent Reflecting Surface-Assisted Millimeter Wave Communications: Joint Active and Passive Precoding Design. *Wang, P.*, +, *TVT Dec. 2020 14960-14973*

Latency and Reliability of mmWave Multi-Hop V2V Communications Under Relay Selections. *Li, Z.*, +, *TVT Sept. 2020 9807-9821*

Localization Error Bounds for 5G mmWave Systems Under I/Q Imbalance. *Ghaseminajm, F.*, +, *TVT July 2020 7971-7975*

Low-Complexity Beam Training for 5G Millimeter-Wave Massive MIMO Systems. *Wu, W.*, +, *TVT Jan. 2020 361-376*

Low-Complexity Multicast Beamforming for Millimeter Wave Communications. *Li, Z.*, +, *TVT Oct. 2020 12317-12320*

Low-Complexity Multistage Optimal Detection for SVD-Based Hybrid Millimeter Wave MIMO Systems. *Wang, X.*, +, *TVT Nov. 2020 13216-13228*

Low-Complexity Subarray-Based RF Precoding for Wideband Multiuser Millimeter Wave Systems. *Ni, Z.*, +, *TVT July 2020 8028-8033*

Machine Learning Enabling Analog Beam Selection for Concurrent Transmissions in Millimeter-Wave V2V Communications. *Yang, Y.*, +, *TVT Aug. 2020 9185-9189*

Millimeter-Wave Base Station Deployment Using the Scenario Sampling Approach. *Dong, M.*, +, *TVT Nov. 2020 14013-14018*

Mobility and Blockage-Aware Communications in Millimeter-Wave Vehicular Networks. *Hussain, M.*, +, *TVT Nov. 2020 13072-13086*

Mobility-Aware Analysis of Millimeter Wave Communication Systems With Blockages. *Choi, S.*, +, *TVT June 2020 5901-5912*

Mobility-Aware Subband and Beam Resource Allocation Schemes for Millimeter Wave Wireless Networks. *Shen, L.*, +, *TVT Oct. 2020 11893-11908*

Multi-Beam NOMA for Millimeter-Wave Massive MIMO With Lens Antenna Array. *Liu, P.*, +, *TVT Oct. 2020 11570-11583*

Multiuser Precoding for Sum-Rate Maximization in Relay-Aided mmWave Communications. *Yalcin, A.Z.*, +, *TVT June 2020 6808-6812*

On Angular Sampling Intervals for Reconstructing Wideband Channel Spatial Profiles in Directional Scanning Measurements. *Fan, W.*, +, *TVT Nov. 2020 13910-13915*

On NOMA-Based mmWave Communications. *Tian, Y.*, +, *TVT Dec. 2020 15398-15411*

On the Performance Analysis of mmWave MIMO-NOMA Transmission Scheme. *Aghdam, M.R.G.*, +, *TVT Oct. 2020 11491-11500*

On Throughput Optimization and Bound Analysis in Cache-Enabled Fiber-Wireless Networks. *Gu, Z.*, +, *TVT Aug. 2020 9068-9082*

Optimal Beam Pattern Design for Hybrid Beamforming in Millimeter Wave Communications. *Wang, W.*, +, *TVT July 2020 7987-7991*

- Performance Analysis and Enhancement of Beamforming Training in 802.11ad. *Wu, W.*, +, *TVT May 2020 5293-5306*
- Performance Analysis of Hybrid Beamforming Precoders for Multiuser Millimeter Wave NOMA Systems. *Badrudeen, A.A.*, +, *TVT Aug. 2020 8739-8752*
- Performance Analysis of NOMA Enabled Hybrid Network With Limited Feedback. *Swami, P.*, +, *TVT April 2020 4516-4521*
- Power Scaling of Full-Duplex Two-Way Millimeter-Wave Relay With Massive MIMO. *Zhang, Y.*, +, *TVT Dec. 2020 15298-15313*
- Prospects of 60 GHz mmWave WBAN: A PHY-MAC Joint Approach. *Anjum, M.N.*, +, *TVT June 2020 6153-6164*
- Secure Index-Modulation Based Hybrid Free Space Optical and Millimeter Wave Links. *Althunibat, S.*, +, *TVT June 2020 6325-6332*
- Single-Anchor Two-Way Localization Bounds for 5G mmWave Systems. *Abu-Shaban, Z.*, +, *TVT June 2020 6388-6400*
- Space-Domain Index Modulation for mmWave Cloud Radio Access Networks. *Luo, S.*, +, *TVT June 2020 6215-6229*
- Spectral Efficiency of Multi-Hop Millimeter Wave Networks Using N^{th} Best Relay Routing Technique. *Ibrahim, M.*, +, *TVT Sept. 2020 9951-9959*
- Three-Dimensional Modeling of mmWave Doubly Massive MIMO Aerial Fading Channels. *Michailidis, E.T.*, +, *TVT Feb. 2020 1190-1202*
- Millimeter wave measurement**
- On Angular Sampling Intervals for Reconstructing Wideband Channel Spatial Profiles in Directional Scanning Measurements. *Fan, W.*, +, *TVT Nov. 2020 13910-13915*
- Millimeter wave phase shifters**
- Energy-Efficient Analog Combiner Design Using Low-Resolution Phase Shifters and Antenna Selection for mmWave D2D Communications. *Chen, J.*, *TVT Nov. 2020 13979-13984*
- Hybrid Beamforming for mmWave Massive MIMO Systems Employing DFT-Assisted User Clustering. *Soleimani, M.*, +, *TVT Oct. 2020 11646-11658*
- Hybrid Combining Based on Constant Phase Shifters and Active/Inactive Switches. *Bahingayi, E.E.*, +, *TVT April 2020 4058-4068*
- Millimeter wave propagation**
- Channel Characterization and Hybrid Modeling for Millimeter-Wave Communications in Metro Train. *He, D.*, +, *TVT Nov. 2020 12408-12417*
- Efficient Hybrid Beamforming With Anti-Blockage Design for High-Speed Railway Communications. *Gao, M.*, +, *TVT Sept. 2020 9643-9655*
- Handling Spontaneous Traffic Variations in 5G+ via Offloading Onto mmWave-Capable UAV "Bridges". *Tafintsev, N.*, +, *TVT Sept. 2020 10070-10084*
- Handset Frame Blockage Reduction of 5G mm-Wave Phased Arrays Using Hard Surface Inspired Structure. *Rodriguez-Cano, R.*, +, *TVT Aug. 2020 8132-8139*
- Impact of Intra-Cluster Angular Spread on the Performance of NLoS Millimeter Wave Links With Imperfect Beam Alignment. *Kutty, S.*, +, *TVT Feb. 2020 1813-1827*
- Latency and Reliability of mmWave Multi-Hop V2V Communications Under Relay Selections. *Li, Z.*, +, *TVT Sept. 2020 9807-9821*
- Millimeter wave radar**
- A Compact Millimeter-Wave Frequency Conversion SOP (System on Package) Module Based on LTCC Technology. *Zhou, L.*, +, *TVT June 2020 5923-5932*
- Millimeter wave receivers**
- Mobility-Aware Analysis of Millimeter Wave Communication Systems With Blockages. *Choi, S.*, +, *TVT June 2020 5901-5912*
- Millimeter waves**
- UAV Beam Alignment for Highly Mobile Millimeter Wave Communications. *Zhang, W.*, +, *TVT Aug. 2020 8577-8585*
- MIMIC**
- A Compact Millimeter-Wave Frequency Conversion SOP (System on Package) Module Based on LTCC Technology. *Zhou, L.*, +, *TVT June 2020 5923-5932*
- MIMO communication**
- 3D-MIMO Dual Communications in SCMA-Based Secure HetNets. *Abedi, M.R.*, +, *TVT Aug. 2020 8499-8513*
- A Cooperative Transmission Scheme in Drone-Based Networks. *Hiraguri, T.*, +, *TVT March 2020 2905-2914*
- A Deep Learning Framework for Hybrid Beamforming Without Instantaneous CSI Feedback. *Elbir, A.M.*, *TVT Oct. 2020 11743-11755*
- A General and Systematic Method to Design Neutralization Lines for Isolation Enhancement in MIMO Antenna Arrays. *Li, M.*, +, *TVT June 2020 6242-6253*
- A Generalized VAMP-Based Channel Estimator for Uplink Quantized Massive MIMO Systems. *Xiong, Y.*, *TVT June 2020 6838-6842*
- A MIMO Detector With Deep Learning in the Presence of Correlated Interference. *Xia, J.*, +, *TVT April 2020 4492-4497*
- A Novel Downlink Interference Alignment Method for Multi-User MIMO System With No CSIT: A Space-Time Coding Approach. *Arti, M.K.*, *TVT Oct. 2020 10937-10948*
- A Precoding Aided Space Domain Index Modulation Scheme for Downlink Multiuser MIMO Systems. *Souto, N.*, +, *TVT Oct. 2020 12333-12337*
- A Restless MAB-Based Index Policy for UL Pilot Allocation in Massive MIMO Over Gauss-Markov Fading Channels. *Yang, F.*, +, *TVT March 2020 3034-3047*
- A Sequential Subspace Method for Millimeter Wave MIMO Channel Estimation. *Zhang, W.*, +, *TVT May 2020 5355-5368*
- A WLAN Uplink Collision-Resolving Scheme Using Multi-User Beamforming Technique. *Lee, Y.*, +, *TVT Oct. 2020 11042-11054*
- An Adaptive BLAST Successive Interference Cancellation Method for High Data Rate Perfect Space-Time Coded MIMO Systems. *Grabner, M.J.*, +, *TVT Feb. 2020 1542-1553*
- An Efficient Calibration of MIMO Channel Sounders With Internal Cross-talk. *Kim, J.*, +, *TVT Sept. 2020 9445-9458*
- Analysis of Clustered Licensed-Assisted Access in Unlicensed Spectrum. *Hu, Z.*, +, *TVT Jan. 2020 349-360*
- Analysis of DF Relay Selection in Massive MIMO Systems With Hardware Impairments. *Kazemi, M.*, +, *TVT June 2020 6141-6152*
- Analysis of SVD-Based Hybrid Schemes for Massive MIMO With Phase Noise and Imperfect Channel Estimation. *Corvaja, R.*, +, *TVT July 2020 7325-7338*
- Analyzing the Impact of Molecular Re-Radiation on the MIMO Capacity in High-Frequency Bands. *Hoseini, S.A.*, +, *TVT Dec. 2020 15458-15471*
- Angular-Domain Channel Estimation for One-Bit Massive MIMO Systems: Performance Bounds and Algorithms. *Liu, F.*, +, *TVT March 2020 2928-2942*
- Antenna Array Diagnosis for Millimeter-Wave MIMO Systems. *Ma, S.*, +, *TVT April 2020 4585-4589*
- Antenna Selection for Improving Energy Efficiency in XL-MIMO Systems. *Marinello, J.C.*, +, *TVT Nov. 2020 13305-13318*
- Approximate Gram-Matrix Interpolation for Wideband Massive MU-MIMO Systems. *Jeon, C.*, +, *TVT May 2020 4677-4688*
- Attractor Selection Based Limited Feedback Hybrid Precoding for Uplink V2I Communications. *Ye, J.*, +, *TVT April 2020 3943-3953*
- Automatic Modulation Classification for MIMO Systems via Deep Learning and Zero-Forcing Equalization. *Wang, Y.*, +, *TVT May 2020 5688-5692*
- Backscatter Communication Powered By Selective Relaying. *Li, D.*, *TVT Nov. 2020 14037-14042*
- Beam Allocation for Millimeter-Wave MIMO Tracking Systems. *Zhang, D.*, +, *TVT Feb. 2020 1595-1611*
- Broad Echo State Network for Channel Prediction in MIMO-OFDM Systems. *Sui, Y.*, +, *TVT Nov. 2020 13383-13399*
- Capturing the Sparsity and Tracking the Channels for Massive MIMO Networks. *Mohammed, A.*, +, *TVT Jan. 2020 685-699*
- Channel Capacity of Massive MIMO With Selected Multi-Stream Transmission in Spatially Correlated Fading Environments. *Karasawa, Y.*, *TVT May 2020 5320-5330*
- Channel Estimation and Hybrid Precoding for Distributed Phased Arrays Based MIMO Wireless Communications. *Zhang, Y.*, +, *TVT Nov. 2020 12921-12937*
- Compact Quad-Element Vertically-Polarized High-Isolation Wideband MIMO Antenna for Vehicular Base Station. *Wang, W.*, +, *TVT Sept. 2020 10000-10008*

- Complex ResNet Aided DoA Estimation for Near-Field MIMO Systems. *Cao, Y.*, +, *TVT Oct. 2020 11139-11151*
- Compressive Sensing Based Channel Estimation for Millimeter-Wave Full-Dimensional MIMO With Lens-Array. *Wan, Z.*, +, *TVT Feb. 2020 2337-2342*
- Compressive Sensing Based Massive Access for IoT Relying on Media Modulation Aided Machine Type Communications. *Qiao, L.*, +, *TVT Sept. 2020 10391-10396*
- Cooperative Scheduling for Pilot Reuse in Massive MIMO Systems. *Hua, Y.*, +, *TVT Nov. 2020 12857-12869*
- Cooperative Time Successive SSK-M-ary Modulation for Decode-and-Forward Relay Systems. *Maheswaran, P.*, +, *TVT Jan. 2020 537-551*
- Data-Driven Deep Learning to Design Pilot and Channel Estimator for Massive MIMO. *Ma, X.*, +, *TVT May 2020 5677-5682*
- DCE-Based Secure Transmission for Massive MIMO Relay System Against Active Eavesdropper. *Lu, X.*, +, *TVT Nov. 2020 13045-13059*
- Decentralized Signal Detection via Expectation Propagation Algorithm for Uplink Massive MIMO Systems. *Zhang, Z.*, +, *TVT Oct. 2020 11233-11240*
- Deep Denoising Neural Network Assisted Compressive Channel Estimation for mmWave Intelligent Reflecting Surfaces. *Liu, S.*, +, *TVT Aug. 2020 9223-9228*
- Deep Learning and Compressive Sensing-Based CSI Feedback in FDD Massive MIMO Systems. *Liang, P.*, +, *TVT Aug. 2020 9217-9222*
- Deep Learning-Based Cooperative Automatic Modulation Classification Method for MIMO Systems. *Wang, Y.*, +, *TVT April 2020 4575-4579*
- Deep Reinforcement Learning-Based Resource Allocation and Power Control in Small Cells With Limited Information Exchange. *Jang, J.*, +, *TVT Nov. 2020 13768-13783*
- Delay Minimization for Massive MIMO Assisted Mobile Edge Computing. *Zeng, M.*, +, *TVT June 2020 6788-6792*
- Double Space-Time Line Codes. *Joung, J.*, +, *TVT Feb. 2020 2316-2321*
- Downlink Sum-Rates of SC-FDP and OFDM Massive MIMO Systems in Doubly Dispersive Channels. *Mokhtari, Z.*, +, *TVT Aug. 2020 8065-8079*
- Dual-Iterative Hybrid Beamforming Design for Millimeter-Wave Massive Multi-User MIMO Systems With Sub-Connected Structure. *Zhang, Y.*, +, *TVT Nov. 2020 13482-13496*
- Efficient Low-Complexity Antenna Selection Algorithms in Multi-User Massive MIMO Systems With Matched Filter Precoding. *Abdullah, Z.*, +, *TVT March 2020 2993-3007*
- Efficient Pre-Conditioned Descent Search Detector for Massive MU-MIMO. *Zhang, C.*, +, *TVT May 2020 4663-4676*
- Efficient Receiver Design for Uplink Cell-Free Massive MIMO With Hardware Impairments. *Zheng, J.*, +, *TVT April 2020 4537-4541*
- Energy-Efficient Design of IRS-NOMA Networks. *Fang, F.*, +, *TVT Nov. 2020 14088-14092*
- Enhanced Diversity-Achieving Quadrature Spatial Modulation With Fast Decodability. *Wang, L.*, +, *TVT June 2020 6165-6177*
- Experimental Study on the Impact of Antenna Characteristics on Non-Stationary V2I Channel Parameters in Tunnels. *Yusuf, M.*, +, *TVT Nov. 2020 12396-12407*
- Experimentally Analyzing Diverse Antenna Placements and Orientations for UAV Communications. *Badi, M.*, +, *TVT Dec. 2020 14989-15004*
- Fast Beamforming Design via Deep Learning. *Huang, H.*, +, *TVT Jan. 2020 1065-1069*
- Federated Learning Assisted Multi-UAV Networks. *Zhang, H.*, +, *TVT Nov. 2020 14104-14109*
- FFR Based Joint 3D Beamforming Interference Coordination for Multi-Cell FD-MIMO Downlink Transmission Systems. *Li, X.*, +, *TVT March 2020 3105-3118*
- Frequency Synchronization With Beamforming Network Optimization for Uplink Massive MIMO Systems. *Feng, Y.*, +, *TVT March 2020 3486-3490*
- Gibbs Distribution Based Antenna Splitting and User Scheduling in Full Duplex Massive MIMO Systems. *Guo, M.*, +, *TVT April 2020 4508-4515*
- Graph Coloring Based Pilot Assignment for Cell-Free Massive MIMO Systems. *Liu, H.*, +, *TVT Aug. 2020 9180-9184*
- Groupwise Neighbor Examination for Tabu Search Detection in Large MIMO Systems. *Nguyen, N.T.*, +, *TVT Jan. 2020 1136-1140*
- High-Resolution Angle-of-Arrival and Channel Estimation for mmWave Massive MIMO Systems With Lens Antenna Array. *Dong, F.*, +, *TVT Nov. 2020 12963-12973*
- Hybrid Analog-Digital Beamforming Design for SE and EE Maximization in Massive MIMO Networks. *Ardah, K.*, +, *TVT Jan. 2020 377-389*
- Hybrid Beamforming for mmWave Massive MIMO Systems Employing DFT-Assisted User Clustering. *Soleimani, M.*, +, *TVT Oct. 2020 11646-11658*
- Hybrid Beamforming With Variable RF Attenuator for Multi-User mmWave Systems. *Lee, J.*, +, *TVT Aug. 2020 9131-9134*
- Hybrid Beamforming/Combining for Millimeter Wave MIMO: A Machine Learning Approach. *Chen, J.*, +, *TVT Oct. 2020 11353-11368*
- Hybrid Combining Based on Constant Phase Shifters and Active/Inactive Switches. *Bahingayi, E.E.*, +, *TVT April 2020 4058-4068*
- Hybrid Massive MIMO for Urban V2I: Sub-6 GHz vs mmWave Performance Assessment. *Pfadler, A.*, +, *TVT May 2020 4652-4662*
- Hybrid Precoding for Multiuser Millimeter Wave Massive MIMO Systems: A Deep Learning Approach. *Elbir, A.M.*, +, *TVT Jan. 2020 552-563*
- Impact of Intra-Cluster Angular Spread on the Performance of NLoS Millimeter Wave Links With Imperfect Beam Alignment. *Kutty, S.*, +, *TVT Feb. 2020 1813-1827*
- Impact of UAV Rotation on MIMO Channel Characterization for Air-to-Ground Communication Systems. *Ma, Z.*, +, *TVT Nov. 2020 12418-12431*
- Improper Gaussian Signaling for the K-User MIMO Interference Channels With Hardware Impairments. *Soleymani, M.*, +, *TVT Oct. 2020 11632-11645*
- Improving Massive MIMO Message Passing Detectors With Deep Neural Network. *Tan, X.*, +, *TVT Feb. 2020 1267-1280*
- Incremental Decode-and-Forward Protocols for D2D Communication: A Diversity-Multiplexing-Tradeoff Perspective. *Yang, T.*, +, *TVT Nov. 2020 13927-13931*
- Intelligent Reflecting Surface Aided MIMO Cognitive Radio Systems. *Zhang, L.*, +, *TVT Oct. 2020 11445-11457*
- Joint Beamforming Design and Receive Antenna Selection for Large-Scale MIMO Wiretap Channels. *Tian, M.*, +, *TVT March 2020 2716-2730*
- Joint Energy-Efficient Power Allocation and Beamforming for Uplink mmWave-NOMA System. *Yu, X.*, +, *TVT Oct. 2020 12291-12295*
- Joint MIMO Communication and MIMO Radar Under Different Practical Waveform Constraints. *He, X.*, +, *TVT Dec. 2020 16342-16347*
- Joint Modulation and Beamforming for MIMO Systems With 1-b DACs. *Han, Y.*, +, *TVT Jan. 2020 1075-1079*
- Joint Power Allocation and Beamforming for Overlaid Secrecy Transmissions in MIMO-OFDM Channels. *Yuan, C.*, +, *TVT Sept. 2020 10019-10032*
- Joint Scheduling and Precoding for mmWave and Sub-6GHz Dual-Mode Networks. *Cheng, M.*, +, *TVT Nov. 2020 13098-13111*
- Joint User Identification and Channel Estimation Over Rician Fading Channels. *Wu, L.*, +, *TVT June 2020 6803-6807*
- Joint User Pairing, Subchannel Assignment and Power Allocation in Cooperative Non-Orthogonal Multiple Access Networks. *Lamba, A.K.*, +, *TVT Oct. 2020 11790-11799*
- Joint User-Activity and Data Detection for Grant-Free Spatial-Modulated Multi-Carrier Non-Orthogonal Multiple Access. *Liu, Y.*, +, *TVT Oct. 2020 11673-11684*
- Learning the Time-Varying Massive MIMO Channels: Robust Estimation and Data-Aided Prediction. *Xia, X.*, +, *TVT Aug. 2020 8080-8096*
- Long-Term Channel Statistic Estimation for Highly-Mobile Hybrid MmWave Multi-User MIMO Systems. *Yu, J.*, +, *TVT Dec. 2020 14277-14289*
- Low-Complexity Beam Training for 5G Millimeter-Wave Massive MIMO Systems. *Wu, W.*, +, *TVT Jan. 2020 361-376*
- Low-Complexity Channel Estimation for Circular and Noncircular Signals in Virtual MIMO Vehicle Communication Systems. *Wang, X.*, +, *TVT April 2020 3916-3928*

- Low-Complexity Equalization of MIMO-OSDM. *Han, J.*, +, *TVT Feb. 2020 2301-2305*
- Low-Complexity Multistage Optimal Detection for SVD-Based Hybrid Millimeter Wave MIMO Systems. *Wang, X.*, +, *TVT Nov. 2020 13216-13228*
- Low-Cost and Power-Efficient Massive MIMO Precoding: Architecture and Algorithm Designs. *Chen, J.*, *TVT July 2020 7429-7442*
- Max-Min QoS Power Control in Generalized Cell-Free Massive MIMO-NOMA With Optimal Backhaul Combining. *Nguyen, T.K.*, +, *TVT Oct. 2020 10949-10964*
- Mobile Image Communications Using Deep Neural Networks for Heterogeneous User Devices in MIMO Channels. *Chang, S.*, +, *TVT June 2020 6359-6373*
- Mobility-Aware Subband and Beam Resource Allocation Schemes for Millimeter Wave Wireless Networks. *Shen, L.*, +, *TVT Oct. 2020 11893-11908*
- Multi-Beam NOMA for Millimeter-Wave Massive MIMO With Lens Antenna Array. *Liu, P.*, +, *TVT Oct. 2020 11570-11583*
- Multi-Panel Sparse Base Station Design With Physical Antenna Effects in Massive MU-MIMO. *Amani, N.*, +, *TVT June 2020 6500-6510*
- Multicast Beamforming Optimization in Cloud-Based Heterogeneous Terrestrial and Satellite Networks. *Zhang, H.*, +, *TVT Feb. 2020 1766-1776*
- Multiobjective Beamforming Power Control for Robust SINR Target Tracking and Power Efficiency in Multicell MU-MIMO Wireless System. *Chen, W.*, +, *TVT June 2020 6200-6214*
- Multiuser Selection Criteria for MIMO-NOMA Systems With Different Detectors. *Yu, Q.*, +, *TVT Feb. 2020 1777-1791*
- Near-Instantaneously Adaptive Multi-Set Space-Time Shift Keying for UAV-Aided Video Surveillance. *Zhang, Y.*, +, *TVT Nov. 2020 12843-12856*
- New Efficient Transmission Technique for HetNets With Massive MIMO Wireless Backhaul. *Hamdi, R.*, +, *TVT Jan. 2020 663-675*
- Non-Coherent Massive MIMO-OFDM Down-Link Based on Differential Modulation. *Chen-Hu, K.*, +, *TVT Oct. 2020 11281-11294*
- On the Performance Analysis of mmWave MIMO-NOMA Transmission Scheme. *Aghdam, M.R.G.*, +, *TVT Oct. 2020 11491-11500*
- On the Performance of MIMO Full-Duplex Relaying System With SWIPT Under Outdated CSI. *Hoang, T.M.*, +, *TVT Dec. 2020 15580-15593*
- On the Physical Layer Security of Millimeter Wave NOMA Networks. *Huang, S.*, +, *TVT Oct. 2020 11697-11711*
- On the Physical Layer Security of Underlay Relay-Aided Device-to-Device Communications. *Khoshafa, M.H.*, +, *TVT July 2020 7609-7621*
- On the Uplink Transmission of Extra-Large Scale Massive MIMO Systems. *Yang, X.*, +, *TVT Dec. 2020 15229-15243*
- On Uplink Performance of Multiuser Massive MIMO Relay Network With Limited RF Chains. *Xu, J.*, +, *TVT Aug. 2020 8670-8683*
- Opportunistic Relaying and Jamming Based on Secrecy-Rate Maximization for Multiuser Buffer-Aided Relay Systems. *Lu, X.*, +, *TVT Dec. 2020 15269-15283*
- Optimal Training Design for MIMO Amplify-and-Forward Two-Way Relay Systems in the Presence of Interference. *Chun, C.*, +, *TVT May 2020 5151-5163*
- Optimal Uplink Pilot-Data Power Allocation for Large-Scale Antenna Array-Aided OFDM Systems. *Guo, X.*, +, *TVT Jan. 2020 428-442*
- Optimization of Data Exchange in 5G Vehicle-to-Infrastructure Edge Networks. *Huang, T.*, +, *TVT Sept. 2020 9376-9389*
- Optimizing Weighted-Sum Energy Efficiency in Downlink and Uplink NOMA Systems. *Zamani, M.R.*, +, *TVT Oct. 2020 11112-11127*
- Outage Performance Analysis of Two-Way Full-Duplex DF Relaying Networks With Beamforming. *Lee, J.*, +, *TVT Aug. 2020 8753-8763*
- Outage Probabilities of Cache and SIC Enabled Downlink MIMO NOMA Cellular Networks With Randomly Distributed Users. *Zheng, J.*, +, *TVT Nov. 2020 13942-13946*
- Pareto-Optimal Pilot Design for Cellular Massive MIMO Systems. *Le, T.A.*, +, *TVT Nov. 2020 13206-13215*
- Partial Tree Search Assisted Symbol Detection for Massive MIMO Systems. *Lu, H.*, +, *TVT Nov. 2020 13319-13327*
- Performance Analysis of Cell-Free Massive MIMO Systems: A Stochastic Geometry Approach. *Papazafireopoulos, A.*, +, *TVT April 2020 3523-3537*
- Performance Analysis of Full-Duplex Massive MIMO Systems With Low-Resolution ADCs/DACs Over Rician Fading Channels. *Ding, Q.*, +, *TVT July 2020 7389-7403*
- Performance of Distributed Massive MIMO and Small-Cell Systems Under Hardware and Channel Impairments. *Elhoushy, S.*, +, *TVT Aug. 2020 8627-8642*
- Physical Layer Multicasting in Massive MIMO Systems With Statistical CSIT. *Li, K.*, +, *TVT Feb. 2020 1651-1665*
- Physical Layer Security of QSTBC With Power Scaling in MIMO Wiretap Channels. *Chae, S.H.*, +, *TVT May 2020 5647-5651*
- Pilot Assignment and Power Allocation for Multipair Massive MIMO DF Relaying Networks. *Ho, C.D.*, +, *TVT July 2020 7379-7388*
- Pilot Decontamination Based on Superimposed Pilots Assisted by Time-Multiplexed Pilots in Massive MIMO Networks. *Lago, L.A.*, +, *TVT Jan. 2020 405-417*
- Pilot Design and Allocation for Multi-Cell Massive MIMO Systems With Two-Tier Receiving. *Hu, A.*, *TVT July 2020 7443-7457*
- Pilot Reuse for Vehicle-to-Vehicle Underlay Massive MIMO Transmission. *You, L.*, +, *TVT May 2020 5693-5697*
- Power Allocation Based on Reinforcement Learning for MIMO System With Energy Harvesting. *Mu, X.*, +, *TVT July 2020 7622-7633*
- Power Allocation for Multiple User-Type Massive MIMO Systems. *Dao, H.T.*, +, *TVT Oct. 2020 10965-10974*
- Power Scaling of Full-Duplex Two-Way Millimeter-Wave Relay With Massive MIMO. *Zhang, Y.*, +, *TVT Dec. 2020 15298-15313*
- Preamble Power Optimization Based on Intrinsic Interference Utilization for OQAM/FBMC Channel Estimation. *Liu, W.*, +, *TVT Nov. 2020 13556-13566*
- QoS Constrained Pilot Allocation Scheme for Massive MIMO Systems. *Qi, C.*, +, *TVT May 2020 5661-5665*
- Reduced Complexity Sparse Recovery Detectors for Differential Space Shift Keying MIMO System. *Alshawaqfeh, M.*, +, *TVT April 2020 4558-4562*
- Robust Rate-Maximization Precoder Design for VFDN System. *Liu, W.*, +, *TVT March 2020 2747-2757*
- Robust Secure Beamforming for SWIPT-Aided Relay Systems With Full-Duplex Receiver and Imperfect CSI. *Li, X.*, +, *TVT Feb. 2020 1867-1878*
- Secrecy Analysis of Ambient Backscatter NOMA Systems Under I/Q Imbalance. *Li, X.*, +, *TVT Oct. 2020 12286-12290*
- Secrecy Outage Analysis of Transmit Antenna Selection Assisted With Wireless Power Beacon. *Yan, P.*, +, *TVT July 2020 7473-7482*
- Secrecy Performance of User and Antenna Selection With Channel Estimation Inaccuracy. *Lee, D.*, *TVT April 2020 4533-4536*
- Secure Degrees of Freedom of Rank-Deficient BCCM and Rank-Deficient ICCM. *Wang, Q.*, +, *TVT April 2020 4033-4041*
- Secure MIMO-SVD Communications Against Eavesdroppers With Any Number of Antennas. *Tang, J.*, +, *TVT Oct. 2020 11077-11089*
- Signed Quadrature Spatial Modulation for MIMO Systems. *Abu-Hudrouss, A.M.*, +, *TVT March 2020 2740-2746*
- Simulation of Multiple-Antenna Terminal Performance in Massive MIMO Systems Based on Indoor Measurements. *Bengtsson, E.L.*, +, *TVT Jan. 2020 418-427*
- Soft List Decoding of Polar Codes. *Xiang, L.*, +, *TVT Nov. 2020 13921-13926*
- Sparse Space-Time-Frequency-Domain Spreading for Large-Scale Non-Orthogonal Multiple Access. *Liu, Y.*, +, *TVT Oct. 2020 12327-12332*
- Spatial Filtering Based Random Access for Machine-Type Communications in Massive MIMO Cellular Networks. *He, Y.*, +, *TVT Oct. 2020 11479-11490*
- Spatial Spectrum Estimation of Incoherently Distributed Sources Based on Low-Rank Matrix Recovery. *Li, J.*, +, *TVT June 2020 6333-6347*
- Spatially Correlated Massive MIMO Relay Systems With Low-Resolution ADCs. *Dong, P.*, +, *TVT June 2020 6541-6553*
- Stochastic Geometry Based Performance Characterization of SWIPT in Cell-Free Massive MIMO. *Kusaladharma, S.*, +, *TVT Nov. 2020 13357-13370*

- Sum-Throughput Maximization Based on the Significance and Fairness of Sensors for Energy and Information Transfer in Virtual MIMO-WBAN. Wang, T., +, *TVT Nov. 2020 13400-13409*
- Switched Max-Link Relay Selection Based on Maximum Minimum Distance for Cooperative MIMO Systems. Duarte, F.L., +, *TVT Feb. 2020 1928-1941*
- Tabu-Search-Based Pilot Assignment for Cell-Free Massive MIMO Systems. Liu, H., +, *TVT Feb. 2020 2286-2290*
- Tensor Communication Waveform Design With Semi-Blind Receiver in the MIMO System. Dou, Z., +, *TVT Feb. 2020 1727-1740*
- The COST IRACON Geometry-Based Stochastic Channel Model for Vehicle-to-Vehicle Communication in Intersections. Gustafson, C., +, *TVT March 2020 2365-2375*
- Three-Dimensional Modeling of mmWave Doubly Massive MIMO Aerial Fading Channels. Michailidis, E.T., +, *TVT Feb. 2020 1190-1202*
- Towards Massive MIMO Channel Emulation: Channel Accuracy Versus Implementation Resources. Huang, P., +, *TVT May 2020 4635-4651*
- Transceiver Design for AF MIMO Relay Systems With a Power Splitting Based Energy Harvesting Relay Node. Li, B., +, *TVT March 2020 2376-2388*
- Transceiver Design for Simultaneous Wireless Information and Power Multicast in Multi-User mmWave MIMO System. Yue, Q., +, *TVT Oct. 2020 11394-11407*
- Transmitter-Side Wireless Information- and Power-Transfer in Massive MIMO Systems. Nasir, A.A., +, *TVT Feb. 2020 2322-2326*
- Truncated Tree Based Hybrid Beamforming for Multi-Panel MIMO. Wang, W., +, *TVT Nov. 2020 13974-13978*
- Twin-Timescale Radio Resource Management for Ultra-Reliable and Low-Latency Vehicular Networks. Yang, H., +, *TVT Jan. 2020 1023-1036*
- User Grouping and Hybrid RF/Baseband Precoding for Multi-User Massive MIMO Systems. Masmoudi, A., +, *TVT Oct. 2020 11308-11322*
- Variable-Block-Length Joint Channel Estimation and Data Detection for Spatial Modulation Over Time-Varying Channels. Akiba, Y., +, *TVT Nov. 2020 13964-13969*
- Verification of the Random Line-of-Sight Measurement Setup at 1.5-3 GHz Including MIMO Throughput Measurements of a Complete Vehicle. Kildal, M.S., +, *TVT Nov. 2020 13165-13179*
- Virtual Angular-Domain Channel Estimation for FDD Based Massive MIMO Systems With Partial Orthogonal Pilot Design. Zhao, P., +, *TVT May 2020 5164-5178*
- Virtual Drive Testing Over-the-Air for Vehicular Communications. Ji, Y., +, *TVT Feb. 2020 1203-1213*
- When to Realign the Receive Beam in High Mobility V2X Communications?. Kang, Y., +, *TVT Nov. 2020 13180-13195*
- MIMO radar**
- Doppler Influence on Waveform Orthogonality in 79 GHz MIMO Phase-Coded Automotive Radar. Overdevest, J., +, *TVT Jan. 2020 16-25*
- Enhancing the Orthogonality of Polyphase Signal With Multi-Pulse Joint Processing. Bai, J., +, *TVT Sept. 2020 9656-9666*
- Joint 2D-DOD, 2D-DOA, and Polarization Angles Estimation for Bistatic EMVS-MIMO Radar via PARAFAC Analysis. Wen, F., +, *TVT Feb. 2020 1626-1638*
- MIMO Radar Transmit-Receive Design for Moving Target Detection in Signal-Dependent Clutter. Yu, X., +, *TVT Jan. 2020 522-536*
- Power and Bandwidth Allocation for Multi-Target Tracking in Collocated MIMO Radar. Zhang, H., +, *TVT Sept. 2020 9795-9806*
- Suppression of Mainbeam Deceptive Jammer With FDA-MIMO Radar. Lan, L., +, *TVT Oct. 2020 11584-11598*
- Target Localization With Jammer Removal Using Frequency Diverse Array. Liu, Q., +, *TVT Oct. 2020 11685-11696*
- MIMO systems**
- Deep Reinforcement Learning for UAV Navigation Through Massive MIMO Technique. Huang, H., +, *TVT Jan. 2020 1117-1121*
- Minimax techniques**
- Delay-Constrained Beamforming and Resource Allocation in Full Duplex Systems. Kabir, M.T., +, *TVT March 2020 3476-3480*
- Fairness-Aware Intragroup Cooperative Transmission in Wireless Powered Communication Networks. Mao, Z., +, *TVT June 2020 6463-6472*
- Max-Min QoS Power Control in Generalized Cell-Free Massive MIMO-NOMA With Optimal Backhaul Combining. Nguyen, T.K., +, *TVT Oct. 2020 10949-10964*
- Min-Max Model Predictive Vehicle Platooning With Communication Delay. Lan, J., +, *TVT Nov. 2020 12570-12584*
- On Maximizing Min Source Rate in Power Beacon Assisted IoTs Networks. He, T., +, *TVT Oct. 2020 11880-11892*
- Optimal Beam Pattern Design for Hybrid Beamforming in Millimeter Wave Communications. Wang, W., +, *TVT July 2020 7987-7991*
- Path Tracking and Direct Yaw Moment Coordinated Control Based on Robust MPC With the Finite Time Horizon for Autonomous Independent-Drive Vehicles. Peng, H., +, *TVT June 2020 6053-6066*
- Pilot Assignment and Power Allocation for Multipair Massive MIMO DF Relaying Networks. Ho, C.D., +, *TVT July 2020 7379-7388*
- Power Allocation for D2D Communications Using Max-Min Message-Passing Algorithm. Rashed, S.K., +, *TVT Aug. 2020 8443-8458*
- Rate Splitting for Multi-Group Multicasting With a Common Message. Yalcin, A.Z., +, *TVT Oct. 2020 12281-12285*
- Transceiver Design for Simultaneous Wireless Information and Power Multicast in Multi-User mmWave MIMO System. Yue, Q., +, *TVT Oct. 2020 11394-11407*
- Minimization**
- 3-D Mixed Far-Field and Near-Field Sources Localization With Cross Array. Wu, X., +, *TVT June 2020 6833-6837*
- A Precoding Aided Space Domain Index Modulation Scheme for Downlink Multiuser MIMO Systems. Souto, N., +, *TVT Oct. 2020 12333-12337*
- AoI-Optimal Joint Sampling and Updating for Wireless Powered Communication Systems. Abd-Elmagid, M.A., +, *TVT Nov. 2020 14110-14115*
- Cloud and Edge Multicast Beamforming for Cache-Enabled Ultra-Dense Networks. Huang, W., +, *TVT March 2020 3481-3485*
- Coarse Trajectory Design for Energy Minimization in UAV-Enabled. Tran, D., +, *TVT Sept. 2020 9483-9496*
- Completion Time Minimization for Turning Angle-Constrained UAV-to-UAV Communications. Wang, H., +, *TVT April 2020 4569-4574*
- Cost Minimization Strategy for Fuel Cell Hybrid Electric Vehicles Considering Power Sources Degradation. Li, H., +, *TVT Nov. 2020 12832-12842*
- Energy and Social Cost Minimization for Data Dissemination in Wireless Networks: Centralized and Decentralized Approaches. Mousavi, M., +, *TVT May 2020 5521-5534*
- Energy Efficient UAV Communication With Energy Harvesting. Yang, Z., +, *TVT Feb. 2020 1913-1927*
- Energy Optimization For Hybrid ARQ With Turbo Coding: Rate Adaptation and Allocation. Zhang, B., +, *TVT Oct. 2020 11338-11352*
- Energy-Efficient and Secure Air-to-Ground Communication With Jittering UAV. Wu, H., +, *TVT April 2020 3954-3967*
- Fractional Dynamic Caching: A Collaborative Design of Storage and Backhaul. Wang, L., +, *TVT April 2020 4194-4206*
- General Parameter Identification Procedure and Comparative Study of Li-Ion Battery Models. Miniguano, H., +, *TVT Jan. 2020 235-245*
- Generalized Space Domain Index Modulation for mmWave Distributed Antenna Systems. Luo, S., +, *TVT Nov. 2020 14067-14071*
- Hierarchical Offloading for Delay-Constrained Applications in Fog RAN. Guo, K., +, *TVT April 2020 4257-4270*
- Hybrid Beamforming With Variable RF Attenuator for Multi-User mmWave Systems. Lee, J., +, *TVT Aug. 2020 9131-9134*
- Interference Characterization and Power Optimization for Automotive Radar With Directional Antenna. Chu, P., +, *TVT April 2020 3703-3716*
- Joint 3D Trajectory Design and Time Allocation for UAV-Enabled Wireless Power Transfer Networks. Feng, W., +, *TVT Sept. 2020 9265-9278*
- Joint Long-Term Admission Control and Beamforming in Green Downlink Networks: Offline and Online Approaches. Lin, J., +, *TVT Aug. 2020 8710-8724*
- Joint Optimization of Cooperative Communication and Computation in Two-Way Relay MEC Systems. Xie, B., +, *TVT April 2020 4596-4600*

- Latency Constrained Non-Orthogonal Packets Scheduling With Finite Blocklength Codes. *Xu, Y.*, +, *TVT Oct. 2020 12312-12316*
- Learning RSSI Feature via Ranking Model for Wi-Fi Fingerprinting Localization. *Chen, P.*, +, *TVT Feb. 2020 1695-1705*
- Low-Cost and Power-Efficient Massive MIMO Precoding: Architecture and Algorithm Designs. *Chen, J.*, *TVT July 2020 7429-7442*
- M-JAW: Mobility-Based Jamming Avoidance in Wireless Sensor Networks. *Misra, S.*, +, *TVT May 2020 5381-5390*
- MDP-Based Task Offloading for Vehicular Edge Computing Under Certain and Uncertain Transition Probabilities. *Zhang, X.*, +, *TVT March 2020 3296-3309*
- On Multi-Hop Short-Packet Communications: Recoding or End-to-End Fountain Coding?. *Li, Y.*, +, *TVT Aug. 2020 9229-9233*
- Single Far-Field or Near-Field Source Localization With Sparse or Uniform Cross Array. *Wu, X.*, +, *TVT Aug. 2020 9135-9139*
- Spatial Spectrum Estimation of Incoherently Distributed Sources Based on Low-Rank Matrix Recovery. *Li, J.*, +, *TVT June 2020 6333-6347*
- Streaming Delay-, Expenditure- and Quality-Balanced Video Over TV White Space. *Wang, M.*, +, *TVT April 2020 4042-4057*
- Torque Ripple Minimization for Inter-Turn Short-Circuit Fault Based on Open-Winding Five Phase FTFSCW-IPM Motor for Electric Vehicle Application. *Fan, Y.*, +, *TVT Jan. 2020 282-292*
- User Access and Resource Allocation in Full-Duplex User-Centric Ultra-Dense Networks. *Zhang, G.*, +, *TVT Oct. 2020 12015-12030*
- User Assisted Dynamic RAN Notification Area Configuration Scheme Based on Delay Sensitivity for 5G Inactive UEs. *Huang, X.*, +, *TVT March 2020 2671-2683*

Minimum principle

- Research on Equivalent Factor Boundary of Equivalent Consumption Minimization Strategy for PHEVs. *Li, J.*, +, *TVT June 2020 6011-6024*

Minimum shift keying

- Blind Modulation Classification for Asynchronous OFDM Systems Over Unknown Signal Parameters and Channel Statistics. *Gupta, R.*, +, *TVT May 2020 5281-5292*

Mining

- Velocity-Free Localization of Autonomous Driverless Vehicles in Underground Intelligent Mines. *Dong, L.*, +, *TVT Sept. 2020 9292-9303*

Mining equipment

- An Orientation Navigation Approach Based on INS and Odometer Integration for Underground Unmanned Excavating Machine. *Han, S.*, +, *TVT Oct. 2020 10772-10786*
- Velocity-Free Localization of Autonomous Driverless Vehicles in Underground Intelligent Mines. *Dong, L.*, +, *TVT Sept. 2020 9292-9303*

MISO communication

- Achievable Rate Region of MISO Interference Channel Aided by Intelligent Reflecting Surface. *Huang, W.*, +, *TVT Dec. 2020 16264-16269*
- Analysis of Clustered Licensed-Assisted Access in Unlicensed Spectrum. *Hu, Z.*, +, *TVT Jan. 2020 349-360*
- Deep Artificial Noise: Deep Learning-Based Precoding Optimization for Artificial Noise Scheme. *Yun, S.*, +, *TVT March 2020 3465-3469*
- Joint Power and Subcarrier Allocation Optimization for Multigroup Multicast Systems With Rate Splitting. *Chen, H.*, +, *TVT Feb. 2020 2306-2310*
- On Optimal Beamforming Design for Downlink MISO NOMA Systems. *Zhu, J.*, +, *TVT March 2020 3008-3020*
- Power Allocation and Outage Analysis for Secure MISO Cognitive Radio Networks With an Unknown Eavesdropper. *Jia, S.*, +, *TVT Dec. 2020 16294-16298*
- Power Minimization for Secure Multi-User MISO NOMA System With Energy Harvesting. *Zhou, J.*, +, *TVT Sept. 2020 10046-10058*
- Precoding Design and Power Control for SINR Maximization of MISO System With Nonlinear Power Amplifiers. *Jee, J.*, +, *TVT Nov. 2020 14019-14024*
- Sum-Rate Maximization of Multicell MISO Networks With Limited Information Exchange. *Kim, Y.*, +, *TVT July 2020 7247-7263*
- Wireless Powered Intelligent Reflecting Surfaces for Enhancing Wireless Communications. *Zou, Y.*, +, *TVT Oct. 2020 12369-12373*

Mixture models

- Human Mobility Prediction Using Sparse Trajectory Data. *Wang, H.*, +, *TVT Sept. 2020 10155-10166*
- Stable Autonomous Robotic Wheelchair Navigation in the Environment With Slope Way. *Wang, C.*, +, *TVT Oct. 2020 10759-10771*

MMIC

- A Compact Millimeter-Wave Frequency Conversion SOP (System on Package) Module Based on LTCC Technology. *Zhou, L.*, +, *TVT June 2020 5923-5932*

Mobile ad hoc networks

- Rendezvous: Opportunistic Data Delivery to Mobile Users by UAVs Through Target Trajectory Prediction. *Yoon, J.*, +, *TVT Feb. 2020 2230-2245*

Mobile antennas

- A Wideband Beamforming Antenna Array for 802.11ac and 4.9 GHz in Modern Transportation Market. *Tan, M.C.*, +, *TVT March 2020 2659-2670*
- Dual-Band Dual-CP All-Metal Antenna With Large Signal Coverage and High Isolation Over Two Bands for Vehicular Communications. *Wang, S.*, +, *TVT Jan. 2020 1131-1135*
- Hybrid Massive MIMO for Urban V2I: Sub-6 GHz vs mmWave Performance Assessment. *Pfadler, A.*, +, *TVT May 2020 4652-4662*
- Mobility Prediction Based Proactive Dynamic Network Orchestration for Load Balancing With QoS Constraint (OPERA). *Farooq, H.*, +, *TVT March 2020 3370-3383*

Mobile commerce

- Carpool for Big Data: Enabling Efficient Crowd Cooperation in Data Market for Pervasive AI. *Shi, Q.*, +, *TVT July 2020 7778-7789*

Mobile communication

- Eight-Diagram Based Access Point Selection Algorithm for Indoor Localization. *Xue, W.*, +, *TVT Nov. 2020 13196-13205*
- FIT: On-the-Fly, In-Situ Training for SNR-Based Rate Selection. *Liu, H.*, +, *TVT Oct. 2020 11295-11307*
- Let's Share the Resource When We're Co-Located: Colocation Edge Computing. *Nguyen, M.N.H.*, +, *TVT May 2020 5618-5633*
- Mixed RF-VLC Relaying Systems for Interference-Sensitive Mobile Applications. *Petkovic, M.I.*, +, *TVT Oct. 2020 11099-11111*
- On the Physical Layer Security of Millimeter Wave NOMA Networks. *Huang, S.*, +, *TVT Oct. 2020 11697-11711*
- Parameter Estimation of Fluctuating Two-Ray Model for Next Generation Mobile Communications. *Shi, B.*, +, *TVT Aug. 2020 8684-8697*

Mobile computing

- A Distributed Mobile Fog Computing Scheme for Mobile Delay-Sensitive Applications in SDN-Enabled Vehicular Networks. *Lin, C.*, +, *TVT May 2020 5481-5493*
- A Lightweight Mutual Authentication Protocol for V2V Communication in Internet of Vehicles. *Vasudev, H.*, +, *TVT June 2020 6709-6717*
- A Location Privacy-Preserving System Based on Query Range Cover-Up or Location-Based Services. *Wu, Z.*, +, *TVT May 2020 5244-5254*
- A More General Information Theoretic Study of Wireless Location Verification System. *Gholami, R.*, +, *TVT Sept. 2020 9938-9950*
- Accessibility Analysis and Modeling for IoV in an Urban Scene. *Cheng, J.*, +, *TVT April 2020 4246-4256*
- Adaptive Bitrate Streaming in Wireless Networks With Transcoding at Network Edge Using Deep Reinforcement Learning. *Guo, Y.*, +, *TVT April 2020 3879-3892*
- An Adaptive Computation Offloading Mechanism for Mobile Health Applications. *Dai, S.*, +, *TVT Jan. 2020 998-1007*
- An Adaptive Wireless Virtual Reality Framework in Future Wireless Networks: A Distributed Learning Approach. *Guo, F.*, +, *TVT Aug. 2020 8514-8528*
- Analysis on Computation-Intensive Status Update in Mobile Edge Computing. *Kuang, Q.*, +, *TVT April 2020 4353-4366*
- Attractor Selection Based Limited Feedback Hybrid Precoding for Uplink V2I Communications. *Ye, J.*, +, *TVT April 2020 3943-3953*
- Blockchain Empowered Cooperative Authentication With Data Traceability in Vehicular Edge Computing. *Liu, H.*, +, *TVT April 2020 4221-4232*

- Blockchain Meets Edge Computing: Stackelberg Game and Double Auction Based Task Offloading for Mobile Blockchain. *Guo, S.*, +, *TVT May 2020 5549-5561*
- Cloudlet-Based Intelligent Auctioning Agents for Truthful Autonomous Electric Vehicles Energy Crowdsourcing. *Yassine, A.*, +, *TVT May 2020 5457-5466*
- Computation Offloading in Hierarchical Multi-Access Edge Computing Based on Contract Theory and Bayesian Matching Game. *Su, C.*, +, *TVT Nov. 2020 13686-13701*
- Computation-Efficient Offloading and Trajectory Scheduling for Multi-UAV Assisted Mobile Edge Computing. *Zhang, J.*, +, *TVT Feb. 2020 2114-2125*
- Computational Complexity Closed-Form Upper Bounds Derivation for Fingerprint-Based Point-of-Interest Recognition Algorithms. *Bisio, I.*, +, *TVT Aug. 2020 9083-9096*
- Computing and Relaying: Utilizing Mobile Edge Computing for P2P Communications. *Qin, M.*, +, *TVT Feb. 2020 1582-1594*
- Cooperative Edge Caching With Location-Based and Popular Contents for Vehicular Networks. *Chen, J.*, +, *TVT Sept. 2020 10291-10305*
- Cooperative Offloading and Resource Management for UAV-Enabled Mobile Edge Computing in Power IoT System. *Liu, Y.*, +, *TVT Oct. 2020 12229-12239*
- Cross-Scenario Device-Free Activity Recognition Based on Deep Adversarial Networks. *Wang, J.*, +, *TVT May 2020 5416-5425*
- DAVT: An Error-Bounded Vehicle Trajectory Data Representation and Compression Framework. *Chen, C.*, +, *TVT Oct. 2020 10606-10618*
- Deep Reinforcement Learning-Based Adaptive Computation Offloading for MEC in Heterogeneous Vehicular Networks. *Ke, H.*, +, *TVT July 2020 7916-7929*
- Delay Minimization for Massive MIMO Assisted Mobile Edge Computing. *Zeng, M.*, +, *TVT June 2020 6788-6792*
- Delay-Oriented Caching Strategies in D2D Mobile Networks. *Sun, R.*, +, *TVT Aug. 2020 8529-8541*
- Dynamic Network Slicing and Resource Allocation in Mobile Edge Computing Systems. *Feng, J.*, +, *TVT July 2020 7863-7878*
- Edge Intelligence for Energy-Efficient Computation Offloading and Resource Allocation in 5G Beyond. *Dai, Y.*, +, *TVT Oct. 2020 12175-12186*
- Efficient 3D Road Map Data Exchange for Intelligent Vehicles in Vehicular Fog Networks. *Ho, I.W.*, +, *TVT March 2020 3151-3165*
- Efficient and Secure Location-Based Services Scheme in VANET. *Yadav, V.K.*, +, *TVT Nov. 2020 13567-13578*
- Energy Efficient Adaptive Video Streaming With Rotary-Wing UAV. *Zhan, C.*, +, *TVT July 2020 8040-8044*
- Energy-Efficient Resource Allocation for Latency-Sensitive Mobile Edge Computing. *Chen, X.*, +, *TVT Feb. 2020 2246-2262*
- Energy-Efficient Robust Computation Offloading for Fog-IoT Systems. *Wu, Z.*, +, *TVT April 2020 4417-4425*
- Energy-Efficient UAV-Assisted Mobile Edge Computing: Resource Allocation and Trajectory Optimization. *Li, M.*, +, *TVT March 2020 3424-3438*
- HetMEC: Heterogeneous Multi-Layer Mobile Edge Computing in the 6 G Era. *Zhang, Y.*, +, *TVT April 2020 4388-4400*
- Hierarchical Offloading for Delay-Constrained Applications in Fog RAN. *Guo, K.*, +, *TVT April 2020 4257-4270*
- Human Mobility Prediction Using Sparse Trajectory Data. *Wang, H.*, +, *TVT Sept. 2020 10155-10166*
- Incentive-Aware Recruitment of Intelligent Vehicles for Edge-Assisted Mobile Crowdsensing. *Liu, L.*, +, *TVT Oct. 2020 12085-12097*
- Joint Channel Allocation and Resource Management for Stochastic Computation Offloading in MEC. *Ren, J.*, +, *TVT Aug. 2020 8900-8913*
- Joint Optimal Software Caching, Computation Offloading and Communications Resource Allocation for Mobile Edge Computing. *Wen, W.*, +, *TVT July 2020 7879-7894*
- Joint Optimization of Cooperative Communication and Computation in Two-Way Relay MEC Systems. *Xie, B.*, +, *TVT April 2020 4596-4600*
- Joint Optimization of Offloading and Resources Allocation in Secure Mobile Edge Computing Systems. *Wang, J.*, +, *TVT Aug. 2020 8843-8854*
- Joint Optimization Strategy of Computation Offloading and Resource Allocation in Multi-Access Edge Computing Environment. *Li, H.*, +, *TVT Sept. 2020 10214-10226*
- Joint Resource Allocation and Computation Offloading With Time-Varying Fading Channel in Vehicular Edge Computing. *Li, S.*, +, *TVT March 2020 3384-3398*
- Joint Task Offloading and Payment Determination for Mobile Edge Computing: A Stable Matching Based Approach. *Wang, X.*, +, *TVT Oct. 2020 12148-12161*
- Jointly Optimized 3D Drone Mounted Base Station Deployment and User Association in Drone Assisted Mobile Access Networks. *Sun, X.*, +, *TVT Feb. 2020 2195-2203*
- Latency Minimization for D2D-Enabled Partial Computation Offloading in Mobile Edge Computing. *Saleem, U.*, +, *TVT April 2020 4472-4486*
- Latency Optimization for Cellular Assisted Mobile Edge Computing via Non-Orthogonal Multiple Access. *Qian, L.*, +, *TVT May 2020 5494-5507*
- Leveraging Dynamic Stackelberg Pricing Game for Multi-Mode Spectrum Sharing in 5G-VANET. *Qian, B.*, +, *TVT June 2020 6374-6387*
- Lifetime Maximization in Mobile Edge Computing Networks. *Gupta, S.*, +, *TVT March 2020 3310-3321*
- Lightweight and Privacy-Preserving ID-as-a-Service Provisioning in Vehicular Cloud Computing. *Yao, Y.*, +, *TVT Feb. 2020 2185-2194*
- Link-Signature-Based Discriminatory Channel Estimation (LS-DCE) for Physical Layer Security in Stationary and Mobile OFDM Transceivers. *Albehadili, A.*, +, *TVT Aug. 2020 8119-8131*
- Low-Latency Segmented List-Pruning Software Polar List Decoder. *Shen, Y.*, +, *TVT April 2020 3575-3589*
- MB-GVNS: Memetic Based Bidirectional General Variable Neighborhood Search for Time-Sensitive Task Allocation in Mobile Crowd Sensing. *Wang, H.*, +, *TVT Feb. 2020 2219-2229*
- Mobile Vehicles as Fog Nodes for Latency Optimization in Smart Cities. *Tang, C.*, +, *TVT Sept. 2020 9364-9375*
- Mobility-Aware Multi-User Offloading Optimization for Mobile Edge Computing. *Zhan, W.*, +, *TVT March 2020 3341-3356*
- Modeling and Analysis of the Downlink Local Delay in MEC-Based VANETs. *Wu, Y.*, +, *TVT June 2020 6619-6630*
- Modeling and Analysis of the Uplink Local Delay in MEC-Based VANETs. *Wu, Y.*, +, *TVT April 2020 3538-3549*
- Multi-Armed Bandit Learning for Computation-Intensive Services in MEC-Empowered Vehicular Networks. *Dai, P.*, +, *TVT July 2020 7821-7834*
- Multi-Task Learning at the Mobile Edge: An Effective Way to Combine Traffic Classification and Prediction. *Rago, A.*, +, *TVT Sept. 2020 10362-10374*
- Neighbor Discovery Based on Cross-Technology Communication for Mobile Applications. *Gao, D.*, +, *TVT Oct. 2020 11179-11191*
- Novel QoS-Guaranteed Orchestration Scheme for Energy-Efficient Mobile Augmented Reality Applications in Multi-Access Edge Computing. *Ahn, J.*, +, *TVT Nov. 2020 13631-13645*
- On the Design of Conditional Privacy Preserving Batch Verification-Based Authentication Scheme for Internet of Vehicles Deployment. *Sutrala, A.K.*, +, *TVT May 2020 5535-5548*
- Online Rating Protocol Using Endogenous and Incremental Learning Design for Mobile Crowdsensing. *Lu, J.*, +, *TVT March 2020 3190-3201*
- Optimizing Live Layered Video Multicasting Over LTE With Mobile Edge Computing. *Hwang, R.*, +, *TVT Oct. 2020 12072-12084*
- P4Mobi: A Probabilistic Privacy-Preserving Framework for Publishing Mobility Datasets. *Yang, Q.*, +, *TVT July 2020 6987-6999*
- Path Planning for UAV-Mounted Mobile Edge Computing With Deep Reinforcement Learning. *Liu, Q.*, +, *TVT May 2020 5723-5728*
- Performance Analysis and Optimization for the MAC Protocol in UAV-Based IoT Network. *Li, B.*, +, *TVT Aug. 2020 8925-8937*
- Performance Analysis of an Edge Computing SaaS System for Mobile Users. *Bonadio, A.*, +, *TVT Feb. 2020 2049-2057*
- Promoting Users' Participation in Mobile Crowdsourcing: A Distributed Truthful Incentive Mechanism (DTIM) Approach. *Wang, X.*, +, *TVT May 2020 5570-5582*

QoS Guaranteed Edge Cloud Resource Provisioning for Vehicle Fleets. *Tang, G.*, +, *TVT June 2020 5889-5900*

Reducing Offloading Latency for Digital Twin Edge Networks in 6G. *Sun, W.*, +, *TVT Oct. 2020 12240-12251*

Reinforcement Learning Based PHY Authentication for VANETs. *Lu, X.*, +, *TVT March 2020 3068-3079*

Reinforcement Learning for Efficient and Fair Coexistence Between LTE-LAA and Wi-Fi. *Han, M.*, +, *TVT Aug. 2020 8764-8776*

Scheduling for Mobile Edge Computing With Random User Arrivals—An Approximate MDP and Reinforcement Learning Approach. *Huang, S.*, +, *TVT July 2020 7735-7750*

Simulation Framework for Misbehavior Detection in Vehicular Networks. *Kamel, J.*, +, *TVT June 2020 6631-6643*

Social-Aware UAV-Assisted Mobile Crowd Sensing in Stochastic and Dynamic Environments for Disaster Relief Networks. *Wang, B.*, +, *TVT Jan. 2020 1070-1074*

Socially Privacy-Preserving Data Collection for Crowdsensing. *Yang, G.*, +, *TVT Jan. 2020 851-861*

System-Centric Computation Energy Efficiency for Distributed NOMA-Based MEC Networks. *Ye, Y.*, +, *TVT Aug. 2020 8938-8948*

Task Offloading in Vehicular Edge Computing Networks: A Load-Balancing Solution. *Zhang, J.*, +, *TVT Feb. 2020 2092-2104*

Task Scheduling for Mobile Edge Computing Using Genetic Algorithm and Conflict Graphs. *Al-Habob, A.A.*, +, *TVT Aug. 2020 8805-8819*

Transparent AAA Security Design for Low-Latency MEC-Integrated Cellular Networks. *Li, C.*, +, *TVT March 2020 3231-3243*

Video Caching and Transcoding in Wireless Cellular Networks With Mobile Edge Computing: A Robust Approach. *Wang, C.*, +, *TVT Aug. 2020 9234-9238*

Mobile handsets

A Two-Layered Incentive Scheme for Cooperation in Sliced 5G D2D Networks. *Sun, Q.*, +, *TVT Nov. 2020 13289-13304*

Energy-Efficient and Delay-Fair Mobile Computation Offloading. *Mu, S.*, +, *TVT Dec. 2020 15746-15759*

Spectral Efficiency Optimization and Interference Management for Multi-Hop D2D Communications in VANETs. *Yang, F.*, +, *TVT June 2020 6422-6436*

Mobile radio

A Cooperative Transmission Scheme in Drone-Based Networks. *Hiraguri, T.*, +, *TVT March 2020 2905-2914*

A Parking Slot Allocation Framework Based on Virtual Voting and Adaptive Pricing Algorithm. *Hassija, V.*, +, *TVT June 2020 5945-5957*

A Wideband Beamforming Antenna Array for 802.11ac and 4.9 GHz in Modern Transportation Market. *Tan, M.C.*, +, *TVT March 2020 2659-2670*

Accessibility Analysis and Modeling for IoV in an Urban Scene. *Cheng, J.*, +, *TVT April 2020 4246-4256*

Adaptive Perturbation-Aided Opportunistic Hybrid Beamforming for mmWave Systems. *Van Le, T.*, +, *TVT June 2020 6554-6562*

Age of Information Aware Trajectory Planning of UAVs in Intelligent Transportation Systems: A Deep Learning Approach. *Samir, M.*, +, *TVT Nov. 2020 12382-12395*

An Identity Management and Authentication Scheme Based on Redactable Blockchain for Mobile Networks. *Xu, J.*, +, *TVT June 2020 6688-6698*

An Online Buffer-Aware Resource Allocation Algorithm for Multiuser Mobile Video Streaming. *Huang, G.*, +, *TVT March 2020 3357-3369*

Capacity and Outage of Terahertz Communications With User Micro-Mobility and Beam Misalignment. *Petrov, V.*, +, *TVT June 2020 6822-6827*

Channel-Dependent Scheduling in Wireless Energy Transfer for Mobile Devices. *Fang, W.*, +, *TVT March 2020 3330-3340*

Compact Quad-Element Vertically-Polarized High-Isolation Wideband MIMO Antenna for Vehicular Base Station. *Wang, W.*, +, *TVT Sept. 2020 10000-10008*

Contention-Based Radio Resource Management for URLLC-Oriented D2D Communications. *Wu, Y.*, +, *TVT Sept. 2020 9960-9971*

Deep Reinforcement Learning-Based Adaptive Computation Offloading for MEC in Heterogeneous Vehicular Networks. *Ke, H.*, +, *TVT July 2020 7916-7929*

Efficient Resource Allocation and Power Control for LTE-A D2D Communication With Pure D2D Model. *Lai, W.*, +, *TVT March 2020 3202-3216*

Energy- and Spectral-Efficiency Tradeoff With α -Fairness in Energy Harvesting D2D Communication. *Kuang, Z.*, +, *TVT Sept. 2020 9972-9983*

Energy-Efficient Analog Combiner Design Using Low-Resolution Phase Shifters and Antenna Selection for mmWave D2D Communications. *Chen, J.*, *TVT Nov. 2020 13979-13984*

Energy-Efficient Power Allocation and Q-Learning-Based Relay Selection for Relay-Aided D2D Communication. *Wang, X.*, +, *TVT June 2020 6452-6462*

Energy-Efficient Resource Allocation for High-Rate Underlay D2D Communications With Statistical CSI: A One-to-Many Strategy. *Li, R.*, +, *TVT April 2020 4006-4018*

Energy-Efficient SWIPT-Empowered D2D Mode Selection. *Huang, J.*, +, *TVT April 2020 3903-3915*

Feedbackless Relaying for Enhancing Reliability of Connected Vehicles. *Ali, G.G.M.N.*, +, *TVT May 2020 4621-4634*

Geometric Analysis of the Doppler Frequency for General Non-Stationary 3D Mobile-to-Mobile Channels Based on Prolate Spheroidal Coordinates. *Walter, M.*, +, *TVT Oct. 2020 10419-10434*

Human Mobility Prediction Using Sparse Trajectory Data. *Wang, H.*, +, *TVT Sept. 2020 10155-10166*

Hybrid Cooperative Positioning for Vehicular Networks. *Xiong, J.*, +, *TVT Jan. 2020 714-727*

Hybrid Massive MIMO for Urban V2I: Sub-6 GHz vs mmWave Performance Assessment. *Pfadler, A.*, +, *TVT May 2020 4652-4662*

Incremental Decode-and-Forward Protocols for D2D Communication: A Diversity-Multiplexing-Tradeoff Perspective. *Yang, T.*, +, *TVT Nov. 2020 13927-13931*

Iterative NDA Positioning Using Angle-of-Arrival Measurements for IoT Sensor Networks. *Monfared, S.*, +, *TVT Oct. 2020 11369-11382*

Joint Mode Selection and Power Control for Interference Management in D2D-Enabled Heterogeneous Cellular Networks. *Liu, X.*, +, *TVT Sept. 2020 9707-9719*

Learning to Branch: Accelerating Resource Allocation in Wireless Networks. *Lee, M.*, +, *TVT Jan. 2020 958-970*

Lightweight Blockchain Consensus Protocols for Vehicular Social Networks. *Zheng, Z.*, +, *TVT June 2020 5736-5748*

Localization in 3GPP LTE Based on One RTT and One TDOA Observation. *Radnosrati, K.*, +, *TVT March 2020 3399-3411*

Low-Complexity Channel Estimation for Circular and Noncircular Signals in Virtual MIMO Vehicle Communication Systems. *Wang, X.*, +, *TVT April 2020 3916-3928*

Mechanism Design for Wireless Powered Spatial Crowdsourcing Networks. *Jiao, Y.*, +, *TVT Jan. 2020 920-934*

Mobile Edge Computing via Wireless Power Transfer Over Multiple Fading Blocks: An Optimal Stopping Approach. *Gu, Q.*, +, *TVT Sept. 2020 10348-10361*

Mobile Image Communications Using Deep Neural Networks for Heterogeneous User Devices in MIMO Channels. *Chang, S.*, +, *TVT June 2020 6359-6373*

Mobility and Blockage-Aware Communications in Millimeter-Wave Vehicular Networks. *Hussain, M.*, +, *TVT Nov. 2020 13072-13086*

Mobility-Aware Subband and Beam Resource Allocation Schemes for Millimeter Wave Wireless Networks. *Shen, L.*, +, *TVT Oct. 2020 11893-11908*

Multi-Item Auction Based Mechanism for Mobile Data Offloading: A Robust Optimization Approach. *Liu, D.*, +, *TVT April 2020 4155-4168*

Multi-User Linear Precoding in Massively Distributed Polarized Antenna Systems Under Imperfect CSIT. *Park, J.*, +, *TVT May 2020 5268-5280*

On the Performance of Multihop Cognitive Wireless Powered D2D Communications in WSNs. *Nguyen, T.V.*, +, *TVT March 2020 2684-2699*

Optimal Power and Bandwidth Allocation for Multiuser Video Streaming in UAV Relay Networks. *Chen, Y.*, +, *TVT June 2020 6644-6655*

Outage of Cognitive Electric Vehicle Networks Over Mixed RF/VLC Channels With Signal-Dependent Noise and Imperfect CSI. *Naurzybayev, G.*, +, *TVT June 2020 6828-6832*

Reinforcement Learning Based PHY Authentication for VANETs. *Lu, X.*, +, *TVT March 2020 3068-3079*

Research on Cost-Balanced Mobile Energy Replenishment Strategy for Wireless Rechargeable Sensor Networks. *Sha, C.*, +, *TVT March 2020 3135-3150*

Securing OFDM-Based NOMA SWIPT Systems. *Badawy, A.*, +, *TVT Oct. 2020 12343-12347*

Vehicle-Assisted Data Delivery in Smart City: A Deep Learning Approach. *Liu, W.*, +, *TVT Nov. 2020 13849-13860*

Velocity-Free Localization of Autonomous Driverless Vehicles in Underground Intelligent Mines. *Dong, L.*, +, *TVT Sept. 2020 9292-9303*

WiFi-Assisted Control Traffic Offloading in Vehicular Environments. *Qin, H.*, +, *TVT April 2020 4542-4547*

Mobile robots

A Decision-Making Strategy for Vehicle Autonomous Braking in Emergency via Deep Reinforcement Learning. *Fu, Y.*, +, *TVT June 2020 5876-5888*

A Hierarchical Architecture Using Biased Min-Consensus for USV Path Planning. *Yao, P.*, +, *TVT Sept. 2020 9518-9527*

A Novel Hybrid Neural Network-Based Multirobot Path Planning With Motion Coordination. *Pradhan, B.*, +, *TVT Feb. 2020 1319-1327*

A Novel Local Motion Planning Framework for Autonomous Vehicles Based on Resistance Network and Model Predictive Control. *Huang, Y.*, +, *TVT Jan. 2020 55-66*

A Novel Terramechanics-Based Path-Tracking Control of Terrain-Based Wheeled Robot Vehicle With Matched-Mismatched Uncertainties. *Taghavifar, H.*, +, *TVT Jan. 2020 67-77*

A Reinforcement Learning-Based Adaptive Path Tracking Approach for Autonomous Driving. *Shan, Y.*, +, *TVT Oct. 2020 10581-10595*

A Wideband Non-Stationary Air-to-Air Channel Model for UAV Communications. *Ma, Z.*, +, *TVT Feb. 2020 1214-1226*

Age of Information Aware Trajectory Planning of UAVs in Intelligent Transportation Systems: A Deep Learning Approach. *Samir, M.*, +, *TVT Nov. 2020 12382-12395*

An Acoustic-Based Surveillance System for Amateur Drones Detection and Localization. *Shi, Z.*, +, *TVT March 2020 2731-2739*

Ant-Colony-Based Complete-Coverage Path-Planning Algorithm for Underwater Gliders in Ocean Areas With Thermoclines. *Han, G.*, +, *TVT Aug. 2020 8959-8971*

Autonomous Tracking Using a Swarm of UAVs: A Constrained Multi-Agent Reinforcement Learning Approach. *Chen, Y.*, +, *TVT Nov. 2020 13702-13717*

Beyond D2D: Full Dimension UAV-to-Everything Communications in 6G. *Zhang, S.*, +, *TVT June 2020 6592-6602*

Communication and Computing Resource Optimization for Connected Autonomous Driving. *Xiong, K.*, +, *TVT Nov. 2020 12652-12663*

Completion Time Minimization for Turning Angle-Constrained UAV-to-UAV Communications. *Wang, H.*, +, *TVT April 2020 4569-4574*

Distributed 3D Relative Localization of UAVs. *Liu, Y.*, +, *TVT Oct. 2020 11756-11770*

Driving Maneuvers Prediction Based Autonomous Driving Control by Deep Monte Carlo Tree Search. *Chen, J.*, +, *TVT July 2020 7146-7158*

Dynamics-Constrained Global-Local Hybrid Path Planning of an Autonomous Surface Vehicle. *Wang, N.*, +, *TVT July 2020 6928-6942*

Edge Computing-Based Collaborative Vehicles 3D Mapping in Real Time. *Wen, S.*, +, *TVT Nov. 2020 12470-12481*

Energy Efficient UAV Communication With Energy Harvesting. *Yang, Z.*, +, *TVT Feb. 2020 1913-1927*

Extracting Human-Like Driving Behaviors From Expert Driver Data Using Deep Learning. *Sama, K.*, +, *TVT Sept. 2020 9315-9329*

Heuristic Monte Carlo Algorithm for Unmanned Ground Vehicles Realtime Localization and Mapping. *Chen, D.*, +, *TVT Oct. 2020 10642-10655*

Inertial Navigation and Position Uncertainty During a Blind Safe Stop of an Autonomous Vehicle. *Jonasson, M.*, +, *TVT May 2020 4788-4802*

Modular Kinematic Modelling of Articulated Buses. *Michalek, M.M.*, +, *TVT Aug. 2020 8381-8394*

Motion Planning Approach Considering Localization Uncertainty. *Artunedo, A.*, +, *TVT June 2020 5983-5994*

Optimal Path Planning and Speed Control Integration Strategy for UGVs in Static and Dynamic Environments. *Ren, H.*, +, *TVT Oct. 2020 10619-10629*

Path Tracking and Direct Yaw Moment Coordinated Control Based on Robust MPC With the Finite Time Horizon for Autonomous Independent-Drive Vehicles. *Peng, H.*, +, *TVT June 2020 6053-6066*

Personalized Vehicle Trajectory Prediction Based on Joint Time-Series Modeling for Connected Vehicles. *Xing, Y.*, +, *TVT Feb. 2020 1341-1352*

Pseudo-3D Vision-Inertia Based Underwater Self-Localization for AUVs. *Wang, Y.*, +, *TVT July 2020 7895-7907*

RACE: Reinforced Cooperative Autonomous Vehicle Collision Avoidance. *Yuan, Y.*, +, *TVT Sept. 2020 9279-9291*

Rear-Steering Based Decentralized Control of Four-Wheel Steering Vehicle. *Wu, Y.*, +, *TVT Oct. 2020 10899-10913*

Rendezvous: Opportunistic Data Delivery to Mobile Users by UAVs Through Target Trajectory Prediction. *Yoon, J.*, +, *TVT Feb. 2020 2230-2245*

Robust and Autonomous Stereo Visual-Inertial Navigation for Non-Holonomic Mobile Robots. *Chae, H.*, +, *TVT Sept. 2020 9613-9623*

Robust Observer Based Intermittent Forces Estimation for Driver Intervention Identification. *Huang, C.*, +, *TVT April 2020 3628-3640*

Robust Time-Varying Formation Control for a Set of Quad-Copters With Switching Interaction Communication Topology. *Liu, H.*, +, *TVT July 2020 6880-6890*

Short-Term Multi-Vehicle Trajectory Planning for Collision Avoidance. *Nakamura, A.*, +, *TVT Sept. 2020 9253-9264*

Stable Autonomous Robotic Wheelchair Navigation in the Environment With Slope Way. *Wang, C.*, +, *TVT Oct. 2020 10759-10771*

Velocity-Free Localization of Autonomous Driverless Vehicles in Underground Intelligent Mines. *Dong, L.*, +, *TVT Sept. 2020 9292-9303*

VeRA: A Simplified Security Risk Analysis Method for Autonomous Vehicles. *Cui, J.*, +, *TVT Oct. 2020 10494-10505*

Vision-Based Race Track SLAM Based Only on Lane Curvature. *Suh, J.*, +, *TVT Feb. 2020 1495-1504*

Voronoi-Based Multi-Robot Autonomous Exploration in Unknown Environments via Deep Reinforcement Learning. *Hu, J.*, +, *TVT Dec. 2020 14413-14423*

Mobile satellite communication

A Novel Multipath Mitigation Technique for GNSS Signals in Urban Scenarios. *Kumar, A.*, +, *TVT March 2020 2649-2658*

Multi-Agent Deep Reinforcement Learning-Based Flexible Satellite Payload for Mobile Terminals. *Hu, X.*, +, *TVT Sept. 2020 9849-9865*

QoE-Driven Intelligent Handover for User-Centric Mobile Satellite Networks. *Xu, H.*, +, *TVT Sept. 2020 10127-10139*

Mobility management (mobile radio)

A Distributed Mobile Fog Computing Scheme for Mobile Delay-Sensitive Applications in SDN-Enabled Vehicular Networks. *Lin, C.*, +, *TVT May 2020 5481-5493*

A Dynamic MAP Discovery and Selection Scheme for Predictive Hierarchical MIPv6 in Vehicular Networks. *Aljeri, N.*, +, *TVT Jan. 2020 793-806*

A Node Location Algorithm Based on Node Movement Prediction in Underwater Acoustic Sensor Networks. *Zhang, W.*, +, *TVT March 2020 3166-3178*

BloCkEd: Blockchain-Based Secure Data Processing Framework in Edge Envisioned V2X Environment. *Aujla, G.S.*, +, *TVT June 2020 5850-5863*

Complex Network Analysis of VANET Topology With Realistic Vehicular Traces. *Qu, X.*, +, *TVT April 2020 4426-4438*

Cyber-Physical Scheduling for Predictable Reliability of Inter-Vehicle Communications. *Li, C.*, +, *TVT April 2020 4192-4206*

Deep Reinforcement Learning-Based Adaptive Computation Offloading for MEC in Heterogeneous Vehicular Networks. *Ke, H.*, +, *TVT July 2020 7916-7929*

Delay-Oriented Caching Strategies in D2D Mobile Networks. *Sun, R.*, +, *TVT Aug. 2020 8529-8541*

Design and Prototyping of a Software Defined Vehicular Networking. *Sadio, O.*, +, *TVT Jan. 2020 842-850*

- Efficient 3D Road Map Data Exchange for Intelligent Vehicles in Vehicular Fog Networks. *Ho, I.W.*, +, *TVT March 2020 3151-3165*
- Human Mobility Prediction Using Sparse Trajectory Data. *Wang, H.*, +, *TVT Sept. 2020 10155-10166*
- Improving the Congestion Control Performance for Mobile Networks in High-Speed Railway via Deep Reinforcement Learning. *Cui, L.*, +, *TVT June 2020 5864-5875*
- Joint Optimization of Handover Control and Power Allocation Based on Multi-Agent Deep Reinforcement Learning. *Guo, D.*, +, *TVT Nov. 2020 13124-13138*
- Learn to Coloring: Fast Response to Perturbation in UAV-Assisted Disaster Relief Networks. *Wang, B.*, +, *TVT March 2020 3505-3509*
- Learning the Time-Varying Massive MIMO Channels: Robust Estimation and Data-Aided Prediction. *Xia, X.*, +, *TVT Aug. 2020 8080-8096*
- M-JAW: Mobility-Based Jamming Avoidance in Wireless Sensor Networks. *Misra, S.*, +, *TVT May 2020 5381-5390*
- Mobility-Aware Analysis of Millimeter Wave Communication Systems With Blockages. *Choi, S.*, +, *TVT June 2020 5901-5912*
- Mobility-Aware Femtocaching Algorithm in D2D Networks Based on Handover. *HajiAkhondi-Meybodi, Z.*, +, *TVT Sept. 2020 10188-10201*
- Modeling and Optimization of Mobility-Aware Dynamic Caching With Time-Varying Content Popularity. *Deng, T.*, +, *TVT Jan. 2020 1157-1162*
- Modeling Impact of Concurrent Transmissions in Cluster Based Mobile Caching Networks. *Ahmed, A.*, +, *TVT April 2020 4601-4605*
- Network Optimisation in 5G Networks: A Radio Environment Map Approach. *Suarez Rodriguez, A.C.*, +, *TVT Oct. 2020 12043-12057*
- Proactive Mobility Management With Trajectory Prediction Based on Virtual Cells in Ultra-Dense Networks. *Liu, Q.*, +, *TVT Aug. 2020 8832-8842*
- QoE-Driven Intelligent Handover for User-Centric Mobile Satellite Networks. *Xu, H.*, +, *TVT Sept. 2020 10127-10139*
- Reducing Offloading Latency for Digital Twin Edge Networks in 6G. *Sun, W.*, +, *TVT Oct. 2020 12240-12251*
- Spectral Efficiency Optimization and Interference Management for Multi-Hop D2D Communications in VANETs. *Yang, F.*, +, *TVT June 2020 6422-6436*
- When to Realign the Receive Beam in High Mobility V2X Communications?. *Kang, Y.*, +, *TVT Nov. 2020 13180-13195*
- Modeling**
- A Framework of Multipath Clustering Based on Space-Transformed Fuzzy c -Means and Data Fusion for Radio Channel Modeling. *Huang, Z.*, +, *TVT Jan. 2020 4-15*
- New Results on the Second Order Scattering Fading Model: Amount of Fading and Energy Detection. *Lopez-Fernandez, J.*, +, *TVT Jan. 2020 1037-1040*
- On Distance Statistics of First Arriving Multi-Paths in Indoor mm-Wave Communications. *R. T., R.*, +, *TVT Dec. 2020 16218-16223*
- Trajectory-Joint Clustering Algorithm for Time-Varying Channel Modeling. *Huang, C.*, +, *TVT Jan. 2020 1041-1045*
- Modulation**
- A Novel Deep Learning and Polar Transformation Framework for an Adaptive Automatic Modulation Classification. *Ghasemzadeh, P.*, +, *TVT Nov. 2020 13243-13258*
- A Tight Upper Bound for Enhanced DCT-OFDM With Index Modulation. *Cao, A.*, +, *TVT Dec. 2020 16213-16217*
- Accumulated Polar Feature-Based Deep Learning for Efficient and Lightweight Automatic Modulation Classification With Channel Compensation Mechanism. *Teng, C.*, +, *TVT Dec. 2020 15472-15485*
- An Anti-Eavesdropping Strategy for Precoding-Aided Spatial Modulation With Rough CSI of Eve. *Xia, G.*, +, *TVT Feb. 2020 2343-2347*
- Analysis of M-QAM Modulated Underwater Wireless Optical Communication System for Reconfigurable UOWSNs Employed in River Meets Ocean Scenario. *Uppalapati, A.*, +, *TVT Dec. 2020 15244-15252*
- Augmenting Transmission Environments for Better Communications: Tunable Reflector Assisted MmWave WLANs. *Zhang, L.*, +, *TVT July 2020 7416-7428*
- Automatic Modulation Classification for MIMO Systems via Deep Learning and Zero-Forcing Equalization. *Wang, Y.*, +, *TVT May 2020 5688-5692*
- Complex-Valued Networks for Automatic Modulation Classification. *Tu, Y.*, +, *TVT Sept. 2020 10085-10089*
- Compressive Sensing Based Massive Access for IoT Relying on Media Modulation Aided Machine Type Communications. *Qiao, L.*, +, *TVT Sept. 2020 10391-10396*
- Cooperative Time Successive SSK-M-ary Modulation for Decode-and-Forward Relay Systems. *Maheswaran, P.*, +, *TVT Jan. 2020 537-551*
- Deep Learning-Based Cooperative Automatic Modulation Classification Method for MIMO Systems. *Wang, Y.*, +, *TVT April 2020 4575-4579*
- Deep Neural Network for Robust Modulation Classification Under Uncertain Noise Conditions. *Hu, S.*, +, *TVT Jan. 2020 564-577*
- Detection Algorithm for Single-Carrier Spatial Modulation Signals in Frequency-Selective Fading Channels. *Lai, K.*, +, *TVT Nov. 2020 13341-13356*
- Enhanced Diversity-Achieving Quadrature Spatial Modulation With Fast Decodability. *Wang, L.*, +, *TVT June 2020 6165-6177*
- Generalized Space Domain Index Modulation for mmWave Distributed Antenna Systems. *Luo, S.*, +, *TVT Nov. 2020 14067-14071*
- Groupwise Neighbor Examination for Tabu Search Detection in Large MIMO Systems. *Nguyen, N.T.*, +, *TVT Jan. 2020 1136-1140*
- Joint Carrier-Code Index Modulation Aided M-Ary Differential Chaos Shift Keying System. *Cai, X.*, +, *TVT Dec. 2020 15486-15499*
- Joint Modulation and Beamforming for MIMO Systems With 1-b DACs. *Han, Y.*, +, *TVT Jan. 2020 1075-1079*
- Optimal-Power Superposition Modulation for Scalable Video Broadcasting. *Zhang, Y.*, +, *TVT Dec. 2020 16230-16234*
- OTFS Based Random Access Preamble Transmission for High Mobility Scenarios. *Sinha, A.K.*, +, *TVT Dec. 2020 15078-15094*
- Robust Modulation Classification Over α -Stable Noise Using Graph-Based Fractional Lower-Order Cyclic Spectrum Analysis. *Yan, X.*, +, *TVT March 2020 2836-2849*
- Signed Quadrature Spatial Modulation for MIMO Systems. *Abu-Hudrouss, A.M.*, +, *TVT March 2020 2740-2746*
- Space-Domain Index Modulation for mmWave Cloud Radio Access Networks. *Luo, S.*, +, *TVT June 2020 6215-6229*
- Sparse Space-Time-Frequency-Domain Spreading for Large-Scale Non-Orthogonal Multiple Access. *Liu, Y.*, +, *TVT Oct. 2020 12327-12332*
- Sparsely Connected CNN for Efficient Automatic Modulation Recognition. *Tunze, G.B.*, +, *TVT Dec. 2020 15557-15568*
- Spatial Modulation for Terahertz Communication Systems With Hardware Impairments. *Mao, T.*, +, *TVT April 2020 4553-4557*
- Variable-Block-Length Joint Channel Estimation and Data Detection for Spatial Modulation Over Time-Varying Channels. *Akiba, Y.*, +, *TVT Nov. 2020 13964-13969*
- Modulation coding**
- Analysis and Optimization of Tail-Biting Spatially Coupled Protograph LDPC Codes for BICM-ID Systems. *Yang, Z.*, +, *TVT Jan. 2020 390-404*
- Delayed Bit Interleaved Coded Sparse Code Multiple Access. *Mheich, Z.*, +, *TVT July 2020 8018-8022*
- Design and Analysis of CQI Feedback Reduction Mechanism for Adaptive Multicast IPTV in Wireless Cellular Networks. *Li, M.*, +, *TVT Feb. 2020 2008-2020*
- Joint Uplink/Downlink Discrete Sum Rate Maximization for Full-Duplex Multicell Heterogeneous Networks. *Li, Q.*, +, *TVT March 2020 2758-2770*
- Optimizing Live Layered Video Multicasting Over LTE With Mobile Edge Computing. *Hwang, R.*, +, *TVT Oct. 2020 12072-12084*
- Sparse-Encoded Codebook Index Modulation. *Arslan, E.*, +, *TVT Aug. 2020 9126-9130*
- Tensor Communication Waveform Design With Semi-Blind Receiver in the MIMO System. *Dou, Z.*, +, *TVT Feb. 2020 1727-1740*
- Modulators**
- Localization Error Bounds for 5G mmWave Systems Under I/Q Imbalance. *Ghaseminajm, F.*, +, *TVT July 2020 7971-7975*
- Monitoring**
- A Densely-Deployed, High Sampling Rate, Open-Source Air Pollution Monitoring WSN. *Montrucchio, B.*, +, *TVT Dec. 2020 15786-15799*

Privacy-Preserving Compressive Sensing for Real-Time Traffic Monitoring in Urban City. *Guo, W.*, +, *TVT Dec. 2020 14510-14522*

Stochastic Targets Monitoring in Wireless Powered Sensor Networks. *Fei, J.*, +, *TVT Dec. 2020 15908-15919*

Monopole antenna arrays

Compact Quad-Element Vertically-Polarized High-Isolation Wideband MIMO Antenna for Vehicular Base Station. *Wang, W.*, +, *TVT Sept. 2020 10000-10008*

Monopole antennas

A Reconfigurable Dual-Band Dual-Circularly Polarized Antenna for Vehicle Global Navigation Satellite System Application. *Xu, R.*, +, *TVT Oct. 2020 11857-11867*

A Tri-Polarized Antenna With Diverse Radiation Characteristics for 5G and V2X Communications. *Feng, B.*, +, *TVT Sept. 2020 10115-10126*

Monte Carlo methods

Achievable Diversity Order of HARQ-Aided Downlink NOMA Systems. *Shi, Z.*, +, *TVT Jan. 2020 471-487*

An Augmentation Function for Active Pedestrian Safety System Based on Crash Risk Evaluation. *Yue, L.*, +, *TVT Nov. 2020 12459-12469*

An Experimental Investigation of Enhanced SM-OFDM Over Indoor Rician Multipath Channels. *Jiang, K.*, +, *TVT Feb. 2020 2291-2295*

Analysis of Equal Gain Combining Over Fluctuating Two-Ray Channels With Applications to Millimeter-Wave Communications. *Hashemi, H.*, +, *TVT Feb. 2020 1751-1765*

Analysis of MRC With η - μ Co-Channel Interference. *Srinivasan, M.*, +, *TVT Jan. 2020 738-745*

Bit Error Probability and Capacity Bound of OFDM Systems in Deterministic Doubly-Selective Channels. *Dominguez-Bolano, T.*, +, *TVT Oct. 2020 11458-11469*

Blind Modulation Classification for Asynchronous OFDM Systems Over Unknown Signal Parameters and Channel Statistics. *Gupta, R.*, +, *TVT May 2020 5281-5292*

Capacity Analysis of Device-to-Device mmWave Networks Under Transceiver Distortion Noise and Imperfect CSI. *Tlebaldiyeva, L.*, +, *TVT May 2020 5707-5712*

Covert Communications in D2D Underlying Cellular Networks With Antenna Array Assisted Artificial Noise Transmission. *Jiang, Y.*, +, *TVT March 2020 2980-2992*

Design and Analysis of Joint Source Channel Coding Schemes Over Non-Standard Coding Channels. *Chen, Q.*, +, *TVT May 2020 5369-5380*

Driving Maneuvers Prediction Based Autonomous Driving Control by Deep Monte Carlo Tree Search. *Chen, J.*, +, *TVT July 2020 7146-7158*

Effect of Impulsive Noise on Uplink NOMA Systems. *Selim, B.*, +, *TVT March 2020 3454-3458*

Energy-Efficient Power Allocation and User Selection for mmWave-NOMA Transmission in M2M Communications Underlying Cellular Heterogeneous Networks. *Sobhi-Givi, S.*, +, *TVT Sept. 2020 9866-9881*

Full-Duplex Amplify-and-Forward Relaying Under I/Q Imbalance. *Samara, L.*, +, *TVT July 2020 7966-7970*

Heuristic Monte Carlo Algorithm for Unmanned Ground Vehicles Realtime Localization and Mapping. *Chen, D.*, +, *TVT Oct. 2020 10642-10655*

Impact of Co-Channel Interference and Vehicles as Obstacles on Full-Duplex V2V Cooperative Wireless Network. *Eshteiwi, K.*, +, *TVT July 2020 7503-7517*

Impact of Jamming Attacks on Vehicular Cooperative Adaptive Cruise Control Systems. *Alipour-Fanid, A.*, +, *TVT Nov. 2020 12679-12693*

Multiple CFOs Estimation and Implementation of SC-FDMA Uplink System Using Oversampling and Iterative Method. *Kumar, S.*, +, *TVT June 2020 6254-6263*

Network Optimisation in 5G Networks: A Radio Environment Map Approach. *Suarez Rodriguez, A.C.*, +, *TVT Oct. 2020 12043-12057*

On NOMA-Based mmWave Communications. *Tian, Y.*, +, *TVT Dec. 2020 15398-15411*

On the Distribution of the Ratio of Products of Fisher-Snedecor \mathcal{F} Random Variables and Its Applications. *Du, H.*, +, *TVT Feb. 2020 1855-1866*

On the Effective Rate and Energy Detection Based Spectrum Sensing Over α - η - κ - μ Fading Channels. *Al-Hmood, H.*, +, *TVT Aug. 2020 9112-9116*

On the Performance Analysis of Higher Order QAM Schemes Over Mixed RF/FSO Systems. *Singya, P.K.*, +, *TVT July 2020 7366-7378*

Performance Analysis of Full-Duplex Relay-Aided NOMA Systems Using Partial Relay Selection. *Tregancini, A.*, +, *TVT Jan. 2020 622-635*

Performance Analysis of Mixed RF-UWOC Dual-Hop Transmission Systems. *Li, S.*, +, *TVT Nov. 2020 14043-14048*

Performance Analysis of OSTBC-NOMA System in the Presence of Practical Impairments. *Toka, M.*, +, *TVT Sept. 2020 9697-9706*

Physical Layer Security of QSTBC With Power Scaling in MIMO Wiretap Channels. *Chae, S.H.*, +, *TVT May 2020 5647-5651*

Precoded Index Modulation Based Multiple Access Scheme. *Belaoura, W.*, +, *TVT Nov. 2020 12912-12920*

Relay Outdatedness Under MRC Deployment. *Le, K.N.*, *TVT March 2020 2802-2811*

Robust Modulation Classification Over α -Stable Noise Using Graph-Based Fractional Lower-Order Cyclic Spectrum Analysis. *Yan, X.*, +, *TVT March 2020 2836-2849*

Secrecy Analysis Over Cascaded κ - μ Fading Channels With Multiple Eavesdroppers. *Tashman, D.H.*, +, *TVT Aug. 2020 8433-8442*

Secure Outage Analysis for Cooperative NOMA Systems With Antenna Selection. *Pei, X.*, +, *TVT April 2020 4503-4507*

Selection Combining Over Double α - μ Fading Channels. *Badarneh, O.S.*, +, *TVT March 2020 3444-3448*

Spectral Efficiency of Multi-Hop Millimeter Wave Networks Using N^{th} Best Relay Routing Technique. *Ibrahim, M.*, +, *TVT Sept. 2020 9951-9959*

The α - \mathcal{F} Composite Fading Distribution: Statistical Characterization and Applications. *Badarneh, O.S.*, *TVT Aug. 2020 8097-8106*

Moons

Throughput of CDM-Based Random Access With SINR Capture. *Choi, H.*, +, *TVT Dec. 2020 15046-15056*

Motion control

A Novel Hybrid Neural Network-Based Multirobot Path Planning With Motion Coordination. *Pradhan, B.*, +, *TVT Feb. 2020 1319-1327*

Adaptive Washout Filter Based on Fuzzy Logic for a Motion Simulation Platform With Consideration of Joints' Limitations. *Chalak Qazani, M.R.*, +, *TVT Nov. 2020 12547-12558*

An Adaptive Backstepping Sliding Mode Controller to Improve Vehicle Maneuverability and Stability via Torque Vectoring Control. *Zhang, L.*, +, *TVT March 2020 2598-2612*

An Energy-Saving Torque Vectoring Control Strategy for Electric Vehicles Considering Handling Stability Under Extreme Conditions. *Hu, X.*, +, *TVT Oct. 2020 10787-10796*

Dynamic Output Feedback Fault Tolerant Control for Unmanned Underwater Vehicles. *Wang, X.*, +, *TVT April 2020 3693-3702*

Multi-UAV Formation Control Based on a Novel Back-Stepping Approach. *Zhang, J.*, +, *TVT March 2020 2437-2448*

Nonlinear Motion Control for a Quadrotor Transporting a Cable-Suspended Payload. *Ly, Z.*, +, *TVT Aug. 2020 8192-8206*

Optimal Coordinated Control of ARS and DYC for Four-Wheel Steer and In-Wheel Motor Driven Electric Vehicle With Unknown Tire Model. *Wang, Q.*, +, *TVT Oct. 2020 10809-10819*

Optimal Path Planning and Speed Control Integration Strategy for UGVs in Static and Dynamic Environments. *Ren, H.*, +, *TVT Oct. 2020 10619-10629*

Prepositioning of a Land Vehicle Simulation-Based Motion Platform Using Fuzzy Logic and Neural Network. *Qazani, M.R.C.*, +, *TVT Oct. 2020 10446-10456*

Torque Vectoring Algorithm of Electronic-Four-Wheel Drive Vehicles for Enhancement of Cornering Performance. *Park, G.*, +, *TVT April 2020 3668-3679*

Wheel Modules With Distributed Controllers: A Multi-Agent Approach to Vehicular Control. *Tang, C.*, +, *TVT Oct. 2020 10879-10888*

Motion estimation

Bundle Adjustment for Monocular Visual Odometry Based on Detections of Traffic Signs. *Zhang, Y.*, +, *TVT Jan. 2020 151-162*

Motion segmentation

Coarse-to-Fine Segmentation on LiDAR Point Clouds in Spherical Coordinate and Beyond. *Li, Y.*, +, *TVT Dec. 2020 14588-14601*

- End-to-End Recurrent Generative Adversarial Network for Traffic and Surveillance Applications. *Patil, P.W.*, +, *TVT Dec. 2020 14550-14562*
- Motor drives**
- Torque Ripple Minimization for Inter-Turn Short-Circuit Fault Based on Open-Winding Five Phase FTFSCW-IPM Motor for Electric Vehicle Application. *Fan, Y.*, +, *TVT Jan. 2020 282-292*
- Multi-access systems**
- A Joint Iterative Optimal Resource Allocation Algorithm for Non-Orthogonal Multi-User and Multi-Weight Opportunistic Beamforming Systems. *Sun, W.*, +, *TVT March 2020 2864-2877*
- A New IDMA System Based on CSK Modulation for Multiuser Underwater Acoustic Communications. *Jing, L.*, +, *TVT March 2020 3080-3092*
- A Novel Downlink Interference Alignment Method for Multi-User MIMO System With No CSIT: A Space-Time Coding Approach. *Arti, M.K.*, *TVT Oct. 2020 10937-10948*
- A Precoding Aided Space Domain Index Modulation Scheme for Downlink Multiuser MIMO Systems. *Souto, N.*, +, *TVT Oct. 2020 12333-12337*
- A Priority-Based Cross-Layer Design for Future VANETs Through Full-Duplex Technology. *Zang, J.*, +, *TVT July 2020 7531-7544*
- A WLAN Uplink Collision-Resolving Scheme Using Multi-User Beamforming Technique. *Lee, Y.*, +, *TVT Oct. 2020 11042-11054*
- Achievable Diversity Order of HARQ-Aided Downlink NOMA Systems. *Shi, Z.*, +, *TVT Jan. 2020 471-487*
- Achieving Positive Secrecy Rate in Wireless Multiple Access Wiretap Channels. *He, H.*, +, *TVT Aug. 2020 9121-9125*
- Adaptive Bitrate Video Streaming in Non-Orthogonal Multiple Access Networks. *Zhang, J.*, +, *TVT April 2020 3980-3993*
- Adaptive Power Factor Allocation for Cooperative Full-Duplex NOMA Systems With Imperfect SIC and Rate Fairness. *Lima, B.K.S.*, +, *TVT Nov. 2020 14061-14066*
- Adaptive Relay Selection Strategies for Cooperative NOMA Networks With User and Relay Cooperation. *Li, G.*, +, *TVT Oct. 2020 11728-11742*
- An Energy-Efficient Resource Allocation Scheme for SWIPT-NOMA Based Femtocells Users With Imperfect CSI. *Budhiraja, I.*, +, *TVT July 2020 7790-7805*
- An Online Buffer-Aware Resource Allocation Algorithm for Multiuser Mobile Video Streaming. *Huang, G.*, +, *TVT March 2020 3357-3369*
- Bayesian Receiver Design for Grant-Free NOMA With Message Passing Based Structured Signal Estimation. *Zhang, Y.*, +, *TVT Aug. 2020 8643-8656*
- Channel-Aware Power Allocation and Decoding Order in Overlay Cognitive NOMA Networks. *Li, G.*, +, *TVT June 2020 6511-6524*
- Characterization and Performance Improvement of Cooperative Wireless Networks With Nonlinear Power Amplifier at Relay. *Majidi, M.*, +, *TVT March 2020 3244-3255*
- Coalitional Games for Computation Offloading in NOMA-Enabled Multi-Access Edge Computing. *Pham, Q.*, +, *TVT Feb. 2020 1982-1993*
- Codeword Position Index Modulation Design for Sparse Code Multiple Access System. *Lai, K.*, +, *TVT Nov. 2020 13273-13288*
- Common Throughput Maximization in Wireless Powered Communication Networks With Non-Orthogonal Multiple Access. *Chen, Z.*, +, *TVT July 2020 7692-7706*
- Computationally Efficient Constructive Interference Precoding for PSK Modulations Under Per-Antenna Power Constraint. *Chen, C.*, *TVT Aug. 2020 9206-9211*
- Coordinated Multiple Access Point Multiuser Beamforming Training Protocol for Millimeter Wave WLANs. *Shen, L.*, +, *TVT Nov. 2020 13875-13889*
- Deep Neural Network for Resource Management in NOMA Networks. *Yang, N.*, +, *TVT Jan. 2020 876-886*
- Degrees of Freedom for Half-Duplex and Full-Duplex Multi-User Cognitive Radios. *Li, D.*, +, *TVT March 2020 2812-2827*
- Design and Analysis of Multi-User Association and Beam Training Schemes for Millimeter Wave Based WLANs. *Shen, L.*, +, *TVT July 2020 7458-7472*
- Design of a Superposition Coding PPM-DCSK System for Downlink Multi-User Transmission. *Ma, H.*, +, *TVT Feb. 2020 1666-1678*
- Down-Link NOMA Networks in the Presence of IQI and Imperfect SIC: Receiver Design and Performance Analysis. *Alsmadi, M.M.*, +, *TVT June 2020 6793-6797*
- Dual-Iterative Hybrid Beamforming Design for Millimeter-Wave Massive Multi-User MIMO Systems With Sub-Connected Structure. *Zhang, Y.*, +, *TVT Nov. 2020 13482-13496*
- Effect of Impulsive Noise on Uplink NOMA Systems. *Selim, B.*, +, *TVT March 2020 3454-3458*
- Efficient Low-Complexity Antenna Selection Algorithms in Multi-User Massive MIMO Systems With Matched Filter Precoding. *Abdullah, Z.*, +, *TVT March 2020 2993-3007*
- Efficient Pre-Conditioned Descent Search Detector for Massive MU-MIMO. *Zhang, C.*, +, *TVT May 2020 4663-4676*
- Efficient Sparse Code Multiple Access Decoder Based on Deterministic Message Passing Algorithm. *Zhang, C.*, +, *TVT April 2020 3562-3574*
- Energy Efficiency for RF-Powered Backscatter Networks Using HTT Protocol. *Shi, L.*, +, *TVT Nov. 2020 13932-13936*
- Energy-Efficient Design of IRS-NOMA Networks. *Fang, F.*, +, *TVT Nov. 2020 14088-14092*
- Energy-Efficient Power Allocation and User Selection for mmWave-NOMA Transmission in M2M Communications Underlying Cellular Heterogeneous Networks. *Sobhi-Givi, S.*, +, *TVT Sept. 2020 9866-9881*
- Equilibrium Problems With Equilibrium Constraints Analysis for Power Control and User Scheduling in NOMA Networks. *Zhang, H.*, +, *TVT May 2020 5467-5480*
- Error Probability Analysis of NOMA-Based Diamond Relaying Network. *Kara, F.*, +, *TVT Feb. 2020 2280-2285*
- Fast Adaptive Minorization-Maximization Procedure for Beamforming Design of Downlink NOMA Systems. *Lyons, O.*, +, *TVT July 2020 8023-8027*
- Full-Duplex and Backhaul-Constrained UAV-Enabled Networks Using NOMA. *Youssef, M.*, +, *TVT Sept. 2020 9667-9681*
- Full-Duplex Non-Orthogonal Multiple Access Cooperative Spectrum-Sharing Networks With Non-Linear Energy Harvesting. *Hakimi, A.*, +, *TVT Oct. 2020 10925-10936*
- Hybrid Beamforming With Variable RF Attenuator for Multi-User mmWave Systems. *Lee, J.*, +, *TVT Aug. 2020 9131-9134*
- Hybrid Combining Based on Constant Phase Shifters and Active/Inactive Switches. *Bahingayi, E.E.*, +, *TVT April 2020 4058-4068*
- Improper Gaussian Signaling for the K-User MIMO Interference Channels With Hardware Impairments. *Soleymani, M.*, +, *TVT Oct. 2020 11632-11645*
- Joint Energy-Efficient Power Allocation and Beamforming for Uplink mmWave-NOMA System. *Yu, X.*, +, *TVT Oct. 2020 12291-12295*
- Joint User Identification and Channel Estimation Over Rician Fading Channels. *Wu, L.*, +, *TVT June 2020 6803-6807*
- Joint User-Activity and Data Detection for Grant-Free Spatial-Modulated Multi-Carrier Non-Orthogonal Multiple Access. *Liu, Y.*, +, *TVT Oct. 2020 11673-11684*
- Latency Constrained Non-Orthogonal Packets Scheduling With Finite Blocklength Codes. *Xu, Y.*, +, *TVT Oct. 2020 12312-12316*
- Max-Min QoS Power Control in Generalized Cell-Free Massive MIMO-NOMA With Optimal Backhaul Combining. *Nguyen, T.K.*, +, *TVT Oct. 2020 10949-10964*
- Multi-Item Auction Based Mechanism for Mobile Data Offloading: A Robust Optimization Approach. *Liu, D.*, +, *TVT April 2020 4155-4168*
- Multi-Panel Sparse Base Station Design With Physical Antenna Effects in Massive MU-MIMO. *Amani, N.*, +, *TVT June 2020 6500-6510*
- Multi-User Linear Precoding in Massively Distributed Polarized Antenna Systems Under Imperfect CSIT. *Park, J.*, +, *TVT May 2020 5268-5280*
- Multidimensional Multilayer Modulation for Broadcast UVLC With Photon Detectors. *Si-Ma, L.*, +, *TVT June 2020 6437-6451*
- Multiple Delay Estimation for Collision Resolution in Non-Orthogonal Random Access. *Bai, L.*, +, *TVT Jan. 2020 497-508*
- Multiuser Selection Criteria for MIMO-NOMA Systems With Different Detectors. *Yu, Q.*, +, *TVT Feb. 2020 1777-1791*

- NOMA With Battery-Assisted Energy Harvesting Full-Duplex Relay. *Agrawal, K.*, +, *TVT Nov. 2020 13952-13957*
- On Optimal Beamforming Design for Downlink MISO NOMA Systems. *Zhu, J.*, +, *TVT March 2020 3008-3020*
- On the Performance Analysis of mmWave MIMO-NOMA Transmission Scheme. *Aghdam, M.R.G.*, +, *TVT Oct. 2020 11491-11500*
- On the Physical Layer Security of Millimeter Wave NOMA Networks. *Huang, S.*, +, *TVT Oct. 2020 11697-11711*
- Optimal Duplex Mode Selection for D2D-Aided Underlying Cellular Networks. *Du, C.*, +, *TVT March 2020 3119-3134*
- Optimal Resource Allocation for Multicarrier NOMA in Short Packet Communications. *Chen, J.*, +, *TVT Feb. 2020 2141-2156*
- Optimal Resource Allocation in Ground Wireless Networks Supporting Unmanned Aerial Vehicle Transmissions. *Hu, Y.*, +, *TVT Aug. 2020 8972-8984*
- Optimizing Weighted-Sum Energy Efficiency in Downlink and Uplink NOMA Systems. *Zamani, M.R.*, +, *TVT Oct. 2020 11112-11127*
- Outage Analysis for MISO Zero-Forcing Precoding With Outdated CSI. *Liu, G.*, +, *TVT Aug. 2020 9152-9156*
- Outage Analysis in Cognitive Radio Networks With Energy Harvesting and Q-Routing. *Paul, A.*, +, *TVT June 2020 6755-6765*
- Outage Behaviors of NOMA-Based Satellite Network Over Shadowed-Rician Fading Channels. *Yue, X.*, +, *TVT June 2020 6818-6821*
- Pairing Distance Resolution and Power Control for Massive Connectivity Improvement in NOMA Systems. *Mounchili, S.*, +, *TVT April 2020 4093-4103*
- Performance Analysis and Power Allocation Strategy for Downlink NOMA Systems in Large-Scale Cellular Networks. *Wang, J.*, +, *TVT March 2020 3459-3464*
- Performance Analysis of Downlink NOMA Systems Over κ - μ Shadowed Fading Channels. *EIHalawany, B.M.*, +, *TVT Jan. 2020 1046-1050*
- Performance Analysis of Full-Duplex Relay-Aided NOMA Systems Using Partial Relay Selection. *Tregancini, A.*, +, *TVT Jan. 2020 622-635*
- Performance Analysis of Hybrid Beamforming Precoders for Multiuser Millimeter Wave NOMA Systems. *Badrudeen, A.A.*, +, *TVT Aug. 2020 8739-8752*
- Performance Analysis of NOMA Enabled Hybrid Network With Limited Feedback. *Swami, P.*, +, *TVT April 2020 4516-4521*
- Performance Analysis of OSTBC-NOMA System in the Presence of Practical Impairments. *Toka, M.*, +, *TVT Sept. 2020 9697-9706*
- Performance of Downlink NOMA in Vehicular Communication Networks: An Analysis Based on Poisson Line Cox Point Process. *Sun, Y.*, +, *TVT Nov. 2020 14001-14006*
- Physical Layer Security Designs for 5G NOMA Systems With a Stronger Near-End Internal Eavesdropper. *Zhang, C.*, +, *TVT Nov. 2020 13005-13017*
- PLS-Based Secrecy Transmission for VANETs. *Song, H.*, +, *TVT July 2020 7596-7608*
- Power Allocation for Multiple User-Type Massive MIMO Systems. *Dao, H.T.*, +, *TVT Oct. 2020 10965-10974*
- Power Minimization for Secure Multi-User MISO NOMA System With Energy Harvesting. *Zhou, J.*, +, *TVT Sept. 2020 10046-10058*
- Precoded Index Modulation Based Multiple Access Scheme. *Belaoura, W.*, +, *TVT Nov. 2020 12912-12920*
- Proactive Eavesdropping of Suspicious Non-Orthogonal Multiple Access Networks. *Xu, D.*, *TVT Nov. 2020 13958-13963*
- Receive Beamforming and Resource Allocation for Wireless Powered Non-Orthogonal Multiple Access. *Lee, C.*, +, *TVT April 2020 4563-4568*
- Repetition-Based NOMA Transmission and Its Outage Probability Analysis. *Choi, J.*, *TVT June 2020 5913-5922*
- Research on Cognitive Power Allocation for Secure Millimeter-Wave NOMA Networks. *Song, Y.*, +, *TVT Nov. 2020 13424-13436*
- Secrecy Analysis of Ambient Backscatter NOMA Systems Under I/Q Imbalance. *Li, X.*, +, *TVT Oct. 2020 12286-12290*
- Secrecy Performance of NOMA Systems With Energy Harvesting and Full-Duplex Relaying. *Guo, C.*, +, *TVT Oct. 2020 12301-12305*
- Secure Outage Analysis for Cooperative NOMA Systems With Antenna Selection. *Pei, X.*, +, *TVT April 2020 4503-4507*
- Secure Transmission via Power Allocation in NOMA-UAV Networks With Circular Trajectory. *Chen, X.*, +, *TVT Sept. 2020 10033-10045*
- Securing OFDM-Based NOMA SWIPT Systems. *Badawy, A.*, +, *TVT Oct. 2020 12343-12347*
- Security Enhancement for NOMA-UAV Networks. *Zhao, N.*, +, *TVT April 2020 3994-4005*
- Security Enhancement Using a Novel Two-Slot Cooperative NOMA Scheme. *Chen, B.*, +, *TVT March 2020 3470-3475*
- STBC-Aided Cooperative NOMA With Timing Offsets, Imperfect Successive Interference Cancellation, and Imperfect Channel State Information. *Akhtar, M.W.*, +, *TVT Oct. 2020 11712-11727*
- Sum-Rate Maximization Based Relay Selection for Cooperative NOMA Over Nakagami- m Fading. *Li, Y.*, +, *TVT Nov. 2020 13985-13989*
- System-Centric Computation Energy Efficiency for Distributed NOMA-Based MEC Networks. *Ye, Y.*, +, *TVT Aug. 2020 8938-8948*
- Threshold-Based Edge Selection MPA for SCMA. *Silva, B.F.d.*, +, *TVT March 2020 2957-2966*
- Throughput Maximization With Rate-Dependent Power Consumption in Battery-Limited Multiuser Networks. *Zhao, J.*, +, *TVT Jan. 2020 1141-1146*
- UAV-Enabled Uplink Non-Orthogonal Multiple Access System: Joint Deployment and Power Control. *Lu, J.*, +, *TVT Sept. 2020 10090-10102*
- UAV-to-Everything (U2X) Networks Relying on NOMA: A Stochastic Geometry Model. *Hou, T.*, +, *TVT July 2020 7558-7568*
- Unsupervised Deep Spectrum Sensing: A Variational Auto-Encoder Based Approach. *Xie, J.*, +, *TVT May 2020 5307-5319*
- User Grouping and Hybrid RF/Baseband Precoding for Multi-User Massive MIMO Systems. *Masmoudi, A.*, +, *TVT Oct. 2020 11308-11322*
- Multi-agent systems**
- A Joint Service Migration and Mobility Optimization Approach for Vehicular Edge Computing. *Yuan, Q.*, +, *TVT Aug. 2020 9041-9052*
- Cloudlet-Based Intelligent Auctioning Agents for Truthful Autonomous Electric Vehicles Energy Crowdsourcing. *Yassine, A.*, +, *TVT May 2020 5457-5466*
- Coordinated Control in the Presence of Actuator Saturation for Multiple High-Speed Trains in the Moving Block Signaling System Mode. *Bai, W.*, +, *TVT Aug. 2020 8054-8064*
- Decentralized Learning Based Indoor Interference Mitigation for 5G-and-Beyond Systems. *Wang, Y.*, +, *TVT Oct. 2020 12124-12135*
- Extracting Human-Like Driving Behaviors From Expert Driver Data Using Deep Learning. *Sama, K.*, +, *TVT Sept. 2020 9315-9329*
- Joint Optimization of Handover Control and Power Allocation Based on Multi-Agent Deep Reinforcement Learning. *Guo, D.*, +, *TVT Nov. 2020 13124-13138*
- Multi-Agent Deep Reinforcement Learning Based Spectrum Allocation for D2D Underlay Communications. *Li, Z.*, +, *TVT Feb. 2020 1828-1840*
- Multi-Agent Deep Reinforcement Learning for Distributed Resource Management in Wirelessly Powered Communication Networks. *Hwang, S.*, +, *TVT Nov. 2020 14055-14060*
- Multi-Agent Deep Reinforcement Learning for Urban Traffic Light Control in Vehicular Networks. *Wu, T.*, +, *TVT Aug. 2020 8243-8256*
- Multi-Agent Deep Reinforcement Learning-Based Flexible Satellite Payload for Mobile Terminals. *Hu, X.*, +, *TVT Sept. 2020 9849-9865*
- Reinforcement Learning for Joint Control of Traffic Signals in a Transportation Network. *Lee, J.*, +, *TVT Feb. 2020 1375-1387*
- Wheel Modules With Distributed Controllers: A Multi-Agent Approach to Vehicular Control. *Tang, C.*, +, *TVT Oct. 2020 10879-10888*
- Multi-robot systems**
- A Novel Hybrid Neural Network-Based Multirobot Path Planning With Motion Coordination. *Pradhan, B.*, +, *TVT Feb. 2020 1319-1327*
- Ant-Colony-Based Complete-Coverage Path-Planning Algorithm for Underwater Gliders in Ocean Areas With Thermoclines. *Han, G.*, +, *TVT Aug. 2020 8959-8971*

- Autonomous Tracking Using a Swarm of UAVs: A Constrained Multi-Agent Reinforcement Learning Approach. *Chen, Y., +, TVT Nov. 2020 13702-13717*
- Cooperative Path Planning for Heterogeneous Unmanned Vehicles in a Search-and-Track Mission Aiming at an Underwater Target. *Wu, Y., +, TVT June 2020 6782-6787*
- Coordinated Control in the Presence of Actuator Saturation for Multiple High-Speed Trains in the Moving Block Signaling System Mode. *Bai, W., +, TVT Aug. 2020 8054-8064*
- Distributed 3D Relative Localization of UAVs. *Liu, Y., +, TVT Oct. 2020 11756-11770*
- Joint Optimization of Handover Control and Power Allocation Based on Multi-Agent Deep Reinforcement Learning. *Guo, D., +, TVT Nov. 2020 13124-13138*
- Multi-UAV Formation Control Based on a Novel Back-Stepping Approach. *Zhang, J., +, TVT March 2020 2437-2448*
- Path Tracking and Direct Yaw Moment Coordinated Control Based on Robust MPC With the Finite Time Horizon for Autonomous Independent-Drive Vehicles. *Peng, H., +, TVT June 2020 6053-6066*
- QoE Analysis in Cache-Enabled Multi-UAV Networks. *Bera, A., +, TVT June 2020 6680-6687*
- RACE: Reinforced Cooperative Autonomous Vehicle Collision Avoidance. *Yuan, Y., +, TVT Sept. 2020 9279-9291*
- Response Delay Optimization in Mobile Edge Computing Enabled UAV Swarm. *Zhang, Q., +, TVT March 2020 3280-3295*
- Robust Time-Varying Formation Control for a Set of Quad-Copters With Switching Interaction Communication Topology. *Liu, H., +, TVT July 2020 6880-6890*
- Short-Term Multi-Vehicle Trajectory Planning for Collision Avoidance. *Nakamura, A., +, TVT Sept. 2020 9253-9264*
- Toward Swarm Coordination: Topology-Aware Inter-UAV Routing Optimization. *Hong, L., +, TVT Sept. 2020 10177-10187*
- Multibeam antennas**
- Multi-Beam NOMA for Millimeter-Wave Massive MIMO With Lens Antenna Array. *Liu, P., +, TVT Oct. 2020 11570-11583*
- Multicast communication**
- A Novel Approach for MBSFN Area Formation Aided by D2D Communications for eMBB Service Delivery in 5G NR Systems. *Rinaldi, F., +, TVT Feb. 2020 2058-2070*
- Cloud and Edge Multicast Beamforming for Cache-Enabled Ultra-Dense Networks. *Huang, W., +, TVT March 2020 3481-3485*
- Design and Analysis of CQI Feedback Reduction Mechanism for Adaptive Multicast IPTV in Wireless Cellular Networks. *Li, M., +, TVT Feb. 2020 2008-2020*
- Dynamic Resource Allocation for Scalable Video Multirate Multicast Over Wireless Networks. *Chen, S., +, TVT Sept. 2020 10227-10241*
- Human-Perception-Oriented Pseudo Analog Video Transmissions With Deep Learning. *Tang, X., +, TVT Sept. 2020 9896-9909*
- Joint Power and Subcarrier Allocation Optimization for Multigroup Multicast Systems With Rate Splitting. *Chen, H., +, TVT Feb. 2020 2306-2310*
- Learn to Coloring: Fast Response to Perturbation in UAV-Assisted Disaster Relief Networks. *Wang, B., +, TVT March 2020 3505-3509*
- Low-Complexity Multicast Beamforming for Millimeter Wave Communications. *Li, Z., +, TVT Oct. 2020 12317-12320*
- Multicast Beamforming Optimization in Cloud-Based Heterogeneous Terrestrial and Satellite Networks. *Zhang, H., +, TVT Feb. 2020 1766-1776*
- Optimizing Live Layered Video Multicasting Over LTE With Mobile Edge Computing. *Hwang, R., +, TVT Oct. 2020 12072-12084*
- Rate Splitting for Multi-Group Multicasting With a Common Message. *Yalcin, A.Z., +, TVT Oct. 2020 12281-12285*
- Time-Expanded Graph Based Energy-Efficient Delay-Bounded Multicast Over Satellite Networks. *Shi, K., +, TVT Sept. 2020 10380-10384*
- Multidimensional signal processing**
- A Multi-Tone Amplitude Modulation Scheme for Wireless Information and Power Transfer. *Im, C., +, TVT Jan. 2020 1147-1151*
- Multifrequency antennas**
- A Reconfigurable Dual-Band Dual-Circularly Polarized Antenna for Vehicle Global Navigation Satellite System Application. *Xu, R., +, TVT Oct. 2020 11857-11867*
- Dual-Band Dual-CP All-Metal Antenna With Large Signal Coverage and High Isolation Over Two Bands for Vehicular Communications. *Wang, S., +, TVT Jan. 2020 1131-1135*
- Multilayer perceptrons**
- A Real-Time Collision Prediction Mechanism With Deep Learning for Intelligent Transportation System. *Wang, X., +, TVT Sept. 2020 9497-9508*
- Multimedia communication**
- A Novel Approach for MBSFN Area Formation Aided by D2D Communications for eMBB Service Delivery in 5G NR Systems. *Rinaldi, F., +, TVT Feb. 2020 2058-2070*
- Compressive Sensing Based Massive Access for IoT Relying on Media Modulation Aided Machine Type Communications. *Qiao, L., +, TVT Sept. 2020 10391-10396*
- Mobile Image Communications Using Deep Neural Networks for Heterogeneous User Devices in MIMO Channels. *Chang, S., +, TVT June 2020 6359-6373*
- Multicast Beamforming Optimization in Cloud-Based Heterogeneous Terrestrial and Satellite Networks. *Zhang, H., +, TVT Feb. 2020 1766-1776*
- Spectral Coexistence of LDACS and DME: Analysis via Hardware Software Co-Design in Presence of Real Channels and RF Impairments. *Agrawal, N., +, TVT Sept. 2020 9837-9848*
- Multipath channels**
- A Framework of Multipath Clustering Based on Space-Transformed Fuzzy c-Means and Data Fusion for Radio Channel Modeling. *Huang, Z., +, TVT Jan. 2020 4-15*
- A Novel Multipath Mitigation Technique for GNSS Signals in Urban Scenarios. *Kumar, A., +, TVT March 2020 2649-2658*
- A Polarization MDCSK Modulation Without PDL Over Multipath Rayleigh Fading Channels. *Miao, M., +, TVT June 2020 6813-6817*
- An Experimental Investigation of Enhanced SM-OFDM Over Indoor Rician Multipath Channels. *Jiang, K., +, TVT Feb. 2020 2291-2295*
- Characterizing Radio Wave Propagation in Urban Street Canyon With Vehicular Blockage at 28 GHz. *Solomitchii, D., +, TVT Feb. 2020 1227-1236*
- Complementary Coded CDMA Systems With CP-Free OFDM. *Wang, X., +, TVT Oct. 2020 11515-11528*
- Comprehensive Effects of Imperfect Synchronization and Channel Estimation on Known Interference Cancellation. *Guo, W., +, TVT Jan. 2020 457-470*
- Compressive Sensing Based Channel Estimation for Millimeter-Wave Full-Dimensional MIMO With Lens-Array. *Wan, Z., +, TVT Feb. 2020 2337-2342*
- Design of a Superposition Coding PPM-DCSK System for Downlink Multi-User Transmission. *Ma, H., +, TVT Feb. 2020 1666-1678*
- Experimental Study on the Impact of Antenna Characteristics on Non-Stationary V2I Channel Parameters in Tunnels. *Yusuf, M., +, TVT Nov. 2020 12396-12407*
- GPS L1CA/BDS B1I Multipath Channel Measurements and Modeling for Dynamic Land Vehicle in Shanghai Dense Urban Area. *Chen, X., +, TVT Dec. 2020 14247-14263*
- Impact of UAV Wobbling on the Air-to-Ground Wireless Channel. *Banagar, M., +, TVT Nov. 2020 14025-14030*
- Improved De-Multipath Neural Network Models With Self-Paced Feature-to-Feature Learning for DOA Estimation in Multipath Environment. *Xiang, H., +, TVT May 2020 5068-5078*
- Joint Compensation of Transmitter and Receiver I/Q Imbalances for SC-FDE Systems. *Cheng, X., +, TVT Aug. 2020 8483-8498*
- Joint OAM Multiplexing and OFDM in Sparse Multipath Environments. *Liang, L., +, TVT April 2020 3864-3878*
- Measurements and Analysis of Propagation Channels in Vehicle-to-Infrastructure Scenarios. *Li, W., +, TVT April 2020 3550-3561*
- Multi-Panel Sparse Base Station Design With Physical Antenna Effects in Massive MU-MIMO. *Amari, N., +, TVT June 2020 6500-6510*

- Push the Limit of Multipath Profiling Using Commodity WiFi Devices With Limited Bandwidth. *Xue, H.*, +, *TVT April 2020 4142-4154*
- Realistic Channel Estimation of IEEE 802.11af Systems in TV White Space. *Basaran, M.*, +, *TVT Oct. 2020 11066-11076*
- The Comparative Study of S-V Model Between 3.5 and 28 GHz in Indoor and Outdoor Scenarios. *Jiang, T.*, +, *TVT March 2020 2351-2364*
- Trajectory-Joint Clustering Algorithm for Time-Varying Channel Modeling. *Huang, C.*, +, *TVT Jan. 2020 1041-1045*
- UWB System for Indoor Positioning and Tracking With Arbitrary Target Orientation, Optimal Anchor Location, and Adaptive NLOS Mitigation. *Chen, Y.*, +, *TVT Sept. 2020 9304-9314*

Multiplexing

- Channel Estimation and Hybrid Precoding for Distributed Phased Arrays Based MIMO Wireless Communications. *Zhang, Y.*, +, *TVT Nov. 2020 12921-12937*
- Degrees of Freedom for Half-Duplex and Full-Duplex Multi-User Cognitive Radios. *Li, D.*, +, *TVT March 2020 2812-2827*
- Delay-Constrained Beamforming and Resource Allocation in Full Duplex Systems. *Kabir, M.T.*, +, *TVT March 2020 3476-3480*
- Effect of Impulsive Noise on Uplink NOMA Systems. *Selim, B.*, +, *TVT March 2020 3454-3458*
- Incremental Decode-and-Forward Protocols for D2D Communication: A Diversity-Multiplexing-Tradeoff Perspective. *Yang, T.*, +, *TVT Nov. 2020 13927-13931*
- Joint OAM Multiplexing and OFDM in Sparse Multipath Environments. *Liang, L.*, +, *TVT April 2020 3864-3878*
- Mobile Image Communications Using Deep Neural Networks for Heterogeneous User Devices in MIMO Channels. *Chang, S.*, +, *TVT June 2020 6359-6373*
- Mode Selection and Resource Allocation in Sliced Fog Radio Access Networks: A Reinforcement Learning Approach. *Xiang, H.*, +, *TVT April 2020 4271-4284*
- Multi-Beam Multiplexing Design for Arbitrary Directions Based on the Interleaved Subarray Architecture. *Zhang, J.*, +, *TVT Oct. 2020 11220-11232*
- Multi-Target Device-Free Wireless Sensing Based on Multiplexing Mechanisms. *Wang, J.*, +, *TVT Sept. 2020 10242-10251*
- Optimal Duplex Mode Selection for D2D-Aided Underlying Cellular Networks. *Du, C.*, +, *TVT March 2020 3119-3134*

Multuser channels

- A Joint Iterative Optimal Resource Allocation Algorithm for Non-Orthogonal Multi-User and Multi-Weight Opportunistic Beamforming Systems. *Sun, W.*, +, *TVT March 2020 2864-2877*
- A Precoding Aided Space Domain Index Modulation Scheme for Downlink Multuser MIMO Systems. *Souto, N.*, +, *TVT Oct. 2020 12333-12337*
- Achieving Positive Secrecy Rate in Wireless Multiple Access Wiretap Channels. *He, H.*, +, *TVT Aug. 2020 9121-9125*
- Adaptive Multuser Transmission Using Millimeter Wave Beam Alignment With User Selection. *Song, J.*, +, *TVT Aug. 2020 9140-9145*
- Computationally Efficient Constructive Interference Precoding for PSK Modulations Under Per-Antenna Power Constraint. *Chen, C.*, *TVT Aug. 2020 9206-9211*
- Delay-Constrained Beamforming and Resource Allocation in Full Duplex Systems. *Kabir, M.T.*, +, *TVT March 2020 3476-3480*
- Energy-Efficient and Secure Air-to-Ground Communication With Jittering UAV. *Wu, H.*, +, *TVT April 2020 3954-3967*
- Hybrid Precoder Design With Minimum-Subspace-Distortion Quantization in Multuser mmWave Communications. *Ni, Z.*, +, *TVT Oct. 2020 11055-11065*
- Hybrid Precoding for Multuser Millimeter Wave Massive MIMO Systems: A Deep Learning Approach. *Elbir, A.M.*, +, *TVT Jan. 2020 552-563*
- Joint Power and Subcarrier Allocation Optimization for Multigroup Multicast Systems With Rate Splitting. *Chen, H.*, +, *TVT Feb. 2020 2306-2310*
- Multuser Precoding for Sum-Rate Maximization in Relay-Aided mmWave Communications. *Yalcin, A.Z.*, +, *TVT June 2020 6808-6812*
- Non-Coherent Massive MIMO-OFDM Down-Link Based on Differential Modulation. *Chen-Hu, K.*, +, *TVT Oct. 2020 11281-11294*

- Performance Analysis of Downlink NOMA Systems Over κ - μ Shadowed Fading Channels. *ElHalawany, B.M.*, +, *TVT Jan. 2020 1046-1050*
- Physical Layer Security for Multuser Satellite Communication Systems With Threshold-Based Scheduling Scheme. *Guo, K.*, +, *TVT May 2020 5129-5141*
- Proportional-Fair Multi-User Scalable Layered Wireless Video Streaming Powered by Energy Harvesting. *Yang, J.*, +, *TVT April 2020 4460-4471*
- Multuser detection**
- A Deep-Learning Method for Device Activity Detection in mMTC Under Imperfect CSI Based on Variational-Autoencoder. *Zhao, T.*, +, *TVT July 2020 7981-7986*
- Bayesian Receiver Design for Grant-Free NOMA With Message Passing Based Structured Signal Estimation. *Zhang, Y.*, +, *TVT Aug. 2020 8643-8656*
- Frequency Synchronization With Beamforming Network Optimization for Uplink Massive MIMO Systems. *Feng, Y.*, +, *TVT March 2020 3486-3490*
- Hybrid Beamforming for Multi-User Millimeter-Wave Networks. *Nasir, A.A.*, +, *TVT March 2020 2943-2956*

N

Nakagami channels

- A Systematic Approach to Deriving the Covariance Matrix of Correlated Nakagami- m Fading Channels. *Lin, J.*, +, *TVT Feb. 2020 1612-1625*
- Channel Capacity of Massive MIMO With Selected Multi-Stream Transmission in Spatially Correlated Fading Environments. *Karasawa, Y.*, *TVT May 2020 5320-5330*
- Impact of Co-Channel Interference and Vehicles as Obstacles on Full-Duplex V2V Cooperative Wireless Network. *Eshteiwi, K.*, +, *TVT July 2020 7503-7517*
- Link-Signature-Based Discriminatory Channel Estimation (LS-DCE) for Physical Layer Security in Stationary and Mobile OFDM Transceivers. *Albehadili, A.*, +, *TVT Aug. 2020 8119-8131*
- On Evaluation of Indoor to Outdoor Communications Using Neighbourhood Small Cells. *Yang, W.*, +, *TVT July 2020 8045-8050*
- On the Distribution of the Ratio of Products of Fisher-Snedecor \mathcal{F} Random Variables and Its Applications. *Du, H.*, +, *TVT Feb. 2020 1855-1866*
- On the Performance Analysis of Higher Order QAM Schemes Over Mixed RF/FSO Systems. *Singya, P.K.*, +, *TVT July 2020 7366-7378*
- Outage Analysis of RF Energy Harvesting Cooperative Communication Systems Over Nakagami- m Fading Channels With Integer and Non-Integer m . *Hoang, T.M.*, +, *TVT March 2020 2785-2801*
- Parameter Estimation of Fluctuating Two-Ray Model for Next Generation Mobile Communications. *Shi, B.*, +, *TVT Aug. 2020 8684-8697*
- Performance Analysis of Bidirectional AF Based Cooperative Vehicular Networks. *Qin, D.*, +, *TVT Feb. 2020 2274-2279*
- Performance Analysis of Cellular Downlink With Fluctuating Two-Ray Channels Under Inter-Cell Interference. *Olyaei, M.*, +, *TVT Nov. 2020 13437-13449*
- Performance Analysis of Coherent PLC With MPSK Signaling in Nakagami- m Noise Environment. *Dash, S.P.*, +, *TVT March 2020 3057-3067*
- Performance Analysis of Mixed RF-UWOC Dual-Hop Transmission Systems. *Li, S.*, +, *TVT Nov. 2020 14043-14048*
- Performance Analysis of OSTBC-NOMA System in the Presence of Practical Impairments. *Toka, M.*, +, *TVT Sept. 2020 9697-9706*
- Polar Codes for Fast Fading Channel: Design Based on Polar Spectrum. *Niu, K.*, +, *TVT Sept. 2020 10103-10114*
- Relay Outdatedness Under MRC Deployment. *Le, K.N.*, *TVT March 2020 2802-2811*
- Secure Wireless Powered Cooperative Communication Networks With Finite Energy Storage. *Wang, Y.*, +, *TVT Jan. 2020 1008-1022*
- Smart Grid Network With D2D Communication and Coherent PLC: Error Analysis. *Dash, S.P.*, +, *TVT Jan. 2020 1051-1054*
- Sum-Rate Maximization Based Relay Selection for Cooperative NOMA Over Nakagami- m Fading. *Li, Y.*, +, *TVT Nov. 2020 13985-13989*
- System Outage Probability of PS-SWIPT Enabled Two-Way AF Relaying With Hardware Impairments. *Liu, Z.*, +, *TVT Nov. 2020 13532-13545*

The α - \mathcal{F} Composite Fading Distribution: Statistical Characterization and Applications. *Badarneh, O.S., TVT Aug. 2020 8097-8106*

Navigation

Hybrid Semi-Dense 3D Semantic-Topological Mapping From Stereo Visual-Inertial Odometry SLAM With Loop Closure Detection. *Wen, S., +, TVT Dec. 2020 16057-16066*

Stable Autonomous Robotic Wheelchair Navigation in the Environment With Slope Way. *Wang, C., +, TVT Oct. 2020 10759-10771*

Voronoi-Based Multi-Robot Autonomous Exploration in Unknown Environments via Deep Reinforcement Learning. *Hu, J., +, TVT Dec. 2020 14413-14423*

Nearest neighbor methods

Multi-Feature Fusion Based Recognition and Relevance Analysis of Propagation Scenes for High-Speed Railway Channels. *Zhou, T., +, TVT Aug. 2020 8107-8118*

Network architecture

IoV Scenario: Implementation of a Bandwidth Aware Algorithm in Wireless Network Communication Mode. *Zhang, P., +, TVT Dec. 2020 15774-15785*

Network coding

Hybrid Precoding for Multiuser Millimeter Wave Massive MIMO Systems: A Deep Learning Approach. *Elbir, A.M., +, TVT Jan. 2020 552-563*

Network Coding Assisted Secure Transmission in Full-Duplex Relay Networks. *He, H., +, TVT Aug. 2020 9196-9200*

On Multi-Hop Short-Packet Communications: Recoding or End-to-End Fountain Coding?. *Li, Y., +, TVT Aug. 2020 9229-9233*

Optimal Resource Allocation in Ground Wireless Networks Supporting Unmanned Aerial Vehicle Transmissions. *Hu, Y., +, TVT Aug. 2020 8972-8984*

Stability Region and Delay Analysis of a SWIPT-Based Two-Way Relay Network With Opportunistic Network Coding. *Moradian, M., +, TVT Dec. 2020 15682-15693*

Network interfaces

Optimal Selection of Heterogeneous Network Interfaces for High-Speed Rail Communications. *Liu, B., +, TVT Dec. 2020 15005-15018*

Practical Machine Learning-Based Rate Adaptation Solution for Wi-Fi NICs: IEEE 802.11ac as a Case Study. *Li, C., +, TVT Sept. 2020 10264-10277*

Network servers

Reducing Offloading Latency for Digital Twin Edge Networks in 6G. *Sun, W., +, TVT Oct. 2020 12240-12251*

Network slicing

Analysis of Traffic Performance on Network Slicing Using Complex Network Theory. *Guan, W., +, TVT Dec. 2020 15188-15199*

Network theory (graphs)

Complex Network Analysis of VANET Topology With Realistic Vehicular Traces. *Qu, X., +, TVT April 2020 4426-4438*

Finding Reliable Paths Considering the Earliest Arrival Time and the Latest Departure Time With 3-Parameter Lognormal Travel Times. *Yang, Z., +, TVT Oct. 2020 10457-10468*

Learn to Coloring: Fast Response to Perturbation in UAV-Assisted Disaster Relief Networks. *Wang, B., +, TVT March 2020 3505-3509*

Network topology

A Joint Design of Platoon Communication and Control Based on LTE-V2V. *Hong, C., +, TVT Dec. 2020 15893-15907*

Heterogeneous User-Centric Cluster Migration Improves the Connectivity-Handover Trade-Off in Vehicular Networks. *Lin, Y., +, TVT Dec. 2020 16027-16043*

Networked control systems

An Adaptive Resilient Load Frequency Controller for Smart Grids With DoS Attacks. *Lu, K., +, TVT May 2020 4689-4699*

Robust Event-Triggered Model Predictive Control for Multiple High-Speed Trains With Switching Topologies. *Zhao, H., +, TVT May 2020 4700-4710*

Networks (circuits)

Hybrid Analog-Digital Beamforming Design for SE and EE Maximization in Massive MIMO Networks. *Ardah, K., +, TVT Jan. 2020 377-389*

Neural networks

A Decision-Making Strategy for Vehicle Autonomous Braking in Emergency via Deep Reinforcement Learning. *Fu, Y., +, TVT June 2020 5876-5888*

A Deep Learning Framework for Hybrid Beamforming Without Instantaneous CSI Feedback. *Elbir, A.M., TVT Oct. 2020 11743-11755*

A Deep-Learning Method for Device Activity Detection in mMTC Under Imperfect CSI Based on Variational-Autoencoder. *Zhao, T., +, TVT July 2020 7981-7986*

A Joint Service Migration and Mobility Optimization Approach for Vehicular Edge Computing. *Yuan, Q., +, TVT Aug. 2020 9041-9052*

A Model-Driven Deep Reinforcement Learning Heuristic Algorithm for Resource Allocation in Ultra-Dense Cellular Networks. *Liao, X., +, TVT Jan. 2020 983-997*

A Real-Time Collision Prediction Mechanism With Deep Learning for Intelligent Transportation System. *Wang, X., +, TVT Sept. 2020 9497-9508*

Adaptive Deep Learning Aided Digital Predistorter Considering Dynamic Envelope. *Sun, J., +, TVT April 2020 4487-4491*

An Accurate Device-Free Action Recognition System Using Two-Stream Network. *Sheng, B., +, TVT July 2020 7930-7939*

An Improved Neural Network Pruning Technology for Automatic Modulation Classification in Edge Devices. *Lin, Y., +, TVT May 2020 5703-5706*

Autonomous PEV Charging Scheduling Using Dyna-Q Reinforcement Learning. *Wang, F., +, TVT Nov. 2020 12609-12620*

Complex-Valued Networks for Automatic Modulation Classification. *Tu, Y., +, TVT Sept. 2020 10085-10089*

Content-Aware Traffic Data Completion in ITS Based on Generative Adversarial Nets. *Han, L., +, TVT Oct. 2020 11950-11962*

Cooperative Offloading and Resource Management for UAV-Enabled Mobile Edge Computing in Power IoT System. *Liu, Y., +, TVT Oct. 2020 12229-12239*

Cross-Type Transfer for Deep Reinforcement Learning Based Hybrid Electric Vehicle Energy Management. *Lian, R., +, TVT Aug. 2020 8367-8380*

Data-Driven Deep Learning to Design Pilot and Channel Estimator for Massive MIMO. *Ma, X., +, TVT May 2020 5677-5682*

Deep Artificial Noise: Deep Learning-Based Precoding Optimization for Artificial Noise Scheme. *Yun, S., +, TVT March 2020 3465-3469*

Deep Learning Aided Spectrum Prediction for Satellite Communication Systems. *Ding, X., +, TVT Dec. 2020 16314-16319*

Deep Learning Based RF Fingerprint Identification Using Differential Constellation Trace Figure. *Peng, L., +, TVT Jan. 2020 1091-1095*

Deep Neural Network for Resource Management in NOMA Networks. *Yang, N., +, TVT Jan. 2020 876-886*

Deep Neural Network for Robust Modulation Classification Under Uncertain Noise Conditions. *Hu, S., +, TVT Jan. 2020 564-577*

Deep Reinforcement Learning Aided Intelligent Access Control in Energy Harvesting Based WLAN. *Zhao, Y., +, TVT Nov. 2020 14078-14082*

DeepChannel: Wireless Channel Quality Prediction Using Deep Learning. *Kulkarni, A., +, TVT Jan. 2020 443-456*

Detecting Motion Blurred Vehicle Logo in IoV Using Filter-DeblurGAN and VL-YOLO. *Zhou, L., +, TVT April 2020 3604-3614*

Development of Artificial Intelligence to Classify Quality of Transmission Shift Control Using Deep Convolutional Neural Networks. *Kawakami, T., +, TVT Dec. 2020 16168-16172*

Driving Maneuvers Prediction Based Autonomous Driving Control by Deep Monte Carlo Tree Search. *Chen, J., +, TVT July 2020 7146-7158*

DwaRa: A Deep Learning-Based Dynamic Toll Pricing Scheme for Intelligent Transportation Systems. *Shukla, A., +, TVT Nov. 2020 12510-12520*

Energy Efficient Resource Allocation for Underlaying Multi-D2D Enabled Multiple-Antennas Communications. *Ozbek, B., +, TVT June 2020 6189-6199*

Extracting and Predicting Taxi Hotspots in Spatiotemporal Dimensions Using Conditional Generative Adversarial Neural Networks. *Yu, H., +, TVT April 2020 3680-3692*

Extracting Human-Like Driving Behaviors From Expert Driver Data Using Deep Learning. *Sama, K., +, TVT Sept. 2020 9315-9329*

Fast Beamforming Design via Deep Learning. *Huang, H., +, TVT Jan. 2020 1065-1069*

Fast Specific Absorption Rate Aware Beamforming for Downlink SWIPT via Deep Learning. *Zhang, J., +, TVT Dec. 2020 16178-16182*

- Finite-Alphabet Signature Design for Grant-Free NOMA: A Quantized Deep Learning Approach. *Yu, H., +, TVT Oct. 2020 10975-10987*
- Freeway Travel Time Prediction Using Deep Hybrid Model – Taking Sun Yat-Sen Freeway as an Example. *Ting, P., +, TVT Aug. 2020 8257-8266*
- Human-Perception-Oriented Pseudo Analog Video Transmissions With Deep Learning. *Tang, X., +, TVT Sept. 2020 9896-9909*
- Hybrid Beamforming/Combining for Millimeter Wave MIMO: A Machine Learning Approach. *Chen, J., +, TVT Oct. 2020 11353-11368*
- Importance-Aware Data Selection and Resource Allocation in Federated Edge Learning System. *He, Y., +, TVT Nov. 2020 13593-13605*
- Improved De-Multipath Neural Network Models With Self-Paced Feature-to-Feature Learning for DOA Estimation in Multipath Environment. *Xiang, H., +, TVT May 2020 5068-5078*
- Improving Massive MIMO Message Passing Detectors With Deep Neural Network. *Tan, X., +, TVT Feb. 2020 1267-1280*
- Learning to Branch: Accelerating Resource Allocation in Wireless Networks. *Lee, M., +, TVT Jan. 2020 958-970*
- Learning to Denoise and Decode: A Novel Residual Neural Network Decoder for Polar Codes. *Zhu, H., +, TVT Aug. 2020 8725-8738*
- Learning-Based Joint Optimization of Transmit Power and Harvesting Time in Wireless-Powered Networks With Co-Channel Interference. *Lee, K., +, TVT March 2020 3500-3504*
- Mobile Image Communications Using Deep Neural Networks for Heterogeneous User Devices in MIMO Channels. *Chang, S., +, TVT June 2020 6359-6373*
- Multi-Agent Deep Reinforcement Learning-Based Flexible Satellite Payload for Mobile Terminals. *Hu, X., +, TVT Sept. 2020 9849-9865*
- Multi-Feature Fusion Based Recognition and Relevance Analysis of Propagation Scenes for High-Speed Railway Channels. *Zhou, T., +, TVT Aug. 2020 8107-8118*
- Multi-Task Learning at the Mobile Edge: An Effective Way to Combine Traffic Classification and Prediction. *Rago, A., +, TVT Sept. 2020 10362-10374*
- Neural Network-Based Relay Selection in Two-Way SWIPT-Enabled Cognitive Radio Networks. *Zhang, Z., +, TVT June 2020 6264-6274*
- Optimal Time-Consuming Path Planning for Autonomous Underwater Vehicles Based on a Dynamic Neural Network Model in Ocean Current Environments. *Chen, M., +, TVT Dec. 2020 14401-14412*
- Pilot-Less One-Shot Sparse Coding for Short Packet-Based Machine-Type Communications. *Wu, J., +, TVT Aug. 2020 9117-9120*
- Poisoning and Evasion Attacks Against Deep Learning Algorithms in Autonomous Vehicles. *Jiang, W., +, TVT April 2020 4439-4449*
- QoS-Aware Self-Tuning of Service Priority Factor for Resource Allocation Optimization in LTE Networks. *Uthansakul, P., +, TVT Jan. 2020 887-900*
- QoS Optimisation of eMBB Services in Converged 5G-Satellite Networks. *de Cola, T., +, TVT Oct. 2020 12098-12110*
- RF Fingerprinting Unmanned Aerial Vehicles With Non-Standard Transmitter Waveforms. *Soltani, N., +, TVT Dec. 2020 15518-15531*
- Scalable Parallel Task Scheduling for Autonomous Driving Using Multi-Task Deep Reinforcement Learning. *Qi, Q., +, TVT Nov. 2020 13861-13874*
- Trailer Mass Estimation Using System Model-Based and Machine Learning Approaches. *Korayem, A.H., +, TVT Nov. 2020 12536-12546*
- Using Reinforcement Learning to Minimize the Probability of Delay Occurrence in Transportation. *Cao, Z., +, TVT March 2020 2424-2436*
- UWB System for Indoor Positioning and Tracking With Arbitrary Target Orientation, Optimal Anchor Location, and Adaptive NLOS Mitigation. *Chen, Y., +, TVT Sept. 2020 9304-9314*
- Vehicle-Assisted Data Delivery in Smart City: A Deep Learning Approach. *Liu, W., +, TVT Nov. 2020 13849-13860*
- Neurocontrollers**
- A Novel Hybrid Neural Network-Based Multirobot Path Planning With Motion Coordination. *Pradhan, B., +, TVT Feb. 2020 1319-1327*
- A Novel Terramechanics-Based Path-Tracking Control of Terrain-Based Wheeled Robot Vehicle With Matched-Mismatched Uncertainties. *Taghavifar, H., +, TVT Jan. 2020 67-77*
- Neural Networks-Based Sliding Mode Fault-Tolerant Control for High-Speed Trains With Bounded Parameters and Actuator Faults. *Dong, H., +, TVT Feb. 2020 1353-1362*
- Prepositioning of a Land Vehicle Simulation-Based Motion Platform Using Fuzzy Logic and Neural Network. *Qazani, M.R.C., +, TVT Oct. 2020 10446-10456*
- Speed Profile Tracking by an Adaptive Controller for Subway Train Based on Neural Network and PID Algorithm. *Pu, Q., +, TVT Oct. 2020 10656-10667*
- Neurons**
- Optimal Time-Consuming Path Planning for Autonomous Underwater Vehicles Based on a Dynamic Neural Network Model in Ocean Current Environments. *Chen, M., +, TVT Dec. 2020 14401-14412*
- Next generation networking**
- Heterogeneous User-Centric Cluster Migration Improves the Connectivity-Handover Trade-Off in Vehicular Networks. *Lin, Y., +, TVT Dec. 2020 16027-16043*
- Next generation networks**
- A Trade-Off Between Energy Efficiency and Spectral Efficiency in Macro-Femtocell Networks. *Ghosh, J., TVT Oct. 2020 10914-10924*
- Content-Centric Heterogeneous Fog Networks Relying on Energy Efficiency Optimization. *Wang, K., +, TVT Nov. 2020 13579-13592*
- Efficient Pre-Conditioned Descent Search Detector for Massive MU-MIMO. *Zhang, C., +, TVT May 2020 4663-4676*
- Enhancing Misbehavior Detection in 5G Vehicle-to-Vehicle Communications. *Nguyen, V., +, TVT Sept. 2020 9417-9430*
- Learning Based Joint Cache and Power Allocation in Fog Radio Access Networks. *Rahman, G.M.S., +, TVT April 2020 4401-4411*
- Mobility-Aware Subband and Beam Resource Allocation Schemes for Millimeter Wave Wireless Networks. *Shen, L., +, TVT Oct. 2020 11893-11908*
- Parameter Estimation of Fluctuating Two-Ray Model for Next Generation Mobile Communications. *Shi, B., +, TVT Aug. 2020 8684-8697*
- Pricing Based Distributed Traffic Allocation for 5G Heterogeneous Networks. *Passas, V., +, TVT Oct. 2020 12111-12123*
- Noise**
- Deep Neural Network for Robust Modulation Classification Under Uncertain Noise Conditions. *Hu, S., +, TVT Jan. 2020 564-577*
- Noise measurement**
- Multi-Sensor Multi-Vehicle (MSMV) Localization and Mobility Tracking for Autonomous Driving. *Yang, P., +, TVT Dec. 2020 14355-14364*
- NOMA**
- Adaptive Federated Learning With Gradient Compression in Uplink NOMA. *Sun, H., +, TVT Dec. 2020 16325-16329*
- Capacity of Uplink Partial Overlapping Non-Orthogonal Multiple Access for Underwater Acoustic Networks. *Jiang, Z., +, TVT Dec. 2020 14290-14303*
- Energy-Minimization Task Offloading and Resource Allocation for Mobile Edge Computing in NOMA Heterogeneous Networks. *Xu, C., +, TVT Dec. 2020 16001-16016*
- Hybrid Multicast/Unicast Design in NOMA-Based Vehicular Caching System. *Pei, X., +, TVT Dec. 2020 16304-16308*
- New NOMA-Based Two-Way Relay Networks. *Fang, Z., +, TVT Dec. 2020 15314-15324*
- NOMA Versus OMA in Finite Blocklength Regime: Link-Layer Rate Performance. *Amjad, M., +, TVT Dec. 2020 16253-16257*
- On NOMA-Based mmWave Communications. *Tian, Y., +, TVT Dec. 2020 15398-15411*
- Optimal Resource Allocation for RF-Powered Underlay Cognitive Radio Networks With Ambient Backscatter Communication. *Zhuang, Y., +, TVT Dec. 2020 15216-15228*
- Outage Performance of CDF-Based Scheduling in Downlink and Uplink NOMA Systems. *Lu, H., +, TVT Dec. 2020 14945-14959*
- Reducing the Mutual Outage Probability of Cooperative Non-Orthogonal Multiple Access. *Riaz, S., +, TVT Dec. 2020 16207-16212*
- Spectral Efficiency Optimization for Next Generation NOMA-Enabled IoT Networks. *Khan, W.U., +, TVT Dec. 2020 15284-15297*
- Spectral Efficient Resource Allocation for URLLC in Distributed Antenna Systems. *Hong, J., +, TVT Dec. 2020 15057-15067*

UAV-Enabled NOMA Networks Analysis With Selective Incremental Relaying and Imperfect CSI. *Guo, C., +, TVT Dec. 2020 16276-16281*

Nonhomogeneous media

Analysis of Traffic Performance on Network Slicing Using Complex Network Theory. *Guan, W., +, TVT Dec. 2020 15188-15199*

Nonlinear control systems

A Mechatronic Brake Booster for Electric Vehicles: Design, Control, and Experiment. *Wu, J., +, TVT July 2020 7040-7053*

A Novel Terramechanics-Based Path-Tracking Control of Terrain-Based Wheeled Robot Vehicle With Matched-Mismatched Uncertainties. *Taghavifar, H., +, TVT Jan. 2020 67-77*

A Real-Time Nonlinear Model Predictive Controller for Yaw Motion Optimization of Distributed Drive Electric Vehicles. *Guo, N., +, TVT May 2020 4935-4946*

A Reinforcement Learning-Based Adaptive Path Tracking Approach for Autonomous Driving. *Shan, Y., +, TVT Oct. 2020 10581-10595*

Adaptive Fault-Tolerant Control of Platoons With Guaranteed Traffic Flow Stability. *Guo, G., +, TVT July 2020 6916-6927*

Asymptotic Stabilization of USVs With Actuator Dead-Zones and Yaw Constraints Based on Fixed-Time Disturbance Observer. *Guo, G., +, TVT Jan. 2020 302-316*

Comparison of Anti-Jerk Controllers for Electric Vehicles With On-Board Motors. *Scamacio, A., +, TVT Oct. 2020 10681-10699*

Dynamic Output Feedback Fault Tolerant Control for Unmanned Underwater Vehicles. *Wang, X., +, TVT April 2020 3693-3702*

Estimation of Transmission Input&Output Shaft Torque and Drive Wheel Speed for Compound Power Split Powertrain Based on Unknown Input Observer. *Li, M., +, TVT May 2020 4883-4893*

Look-Ahead Prediction-Based Real-Time Optimal Energy Management for Connected HEVs. *Xu, F., +, TVT March 2020 2537-2551*

Nonlinear Motion Control for a Quadrotor Transporting a Cable-Suspended Payload. *Lv, Z., +, TVT Aug. 2020 8192-8206*

Real-Time Model Predictive Powertrain Control for a Connected Plug-In Hybrid Electric Vehicle. *Oncken, J., +, TVT Aug. 2020 8420-8432*

Rear-Steering Based Decentralized Control of Four-Wheel Steering Vehicle. *Wu, Y., +, TVT Oct. 2020 10899-10913*

Robust \mathcal{H}_∞ Filtering for Vehicle Sideslip Angle With Quantization and Data Dropouts. *Chang, X., +, TVT Oct. 2020 10435-10445*

Robust Time-Varying Formation Control for a Set of Quad-Copters With Switching Interaction Communication Topology. *Liu, H., +, TVT July 2020 6880-6890*

Speed Profile Tracking by an Adaptive Controller for Subway Train Based on Neural Network and PID Algorithm. *Pu, Q., +, TVT Oct. 2020 10656-10667*

Trajectory Tracking Control of Autonomous Vehicle With Random Network Delay. *Luan, Z., +, TVT Aug. 2020 8140-8150*

Nonlinear distortion

Kernel MSER-DFE Based Post-Distorter for VLC Using Random Fourier Features. *Jain, S., +, TVT Dec. 2020 16241-16246*

Nonlinear filters

An IMM-UKF Aided SINS/USBL Calibration Solution for Underwater Vehicles. *Yao, Y., +, TVT April 2020 3740-3747*

Enhancing Misbehavior Detection in 5G Vehicle-to-Vehicle Communications. *Nguyen, V., +, TVT Sept. 2020 9417-9430*

Inertial Navigation and Position Uncertainty During a Blind Safe Stop of an Autonomous Vehicle. *Jonasson, M., +, TVT May 2020 4788-4802*

Learning and Uncertainty-Exploited Directional Antenna Control for Robust Long-Distance and Broad-Band Aerial Communication. *Liu, M., +, TVT Jan. 2020 593-606*

Performance Enhancement of INS/GNSS/Refreshed-SLAM Integration for Acceptable Lane-Level Navigation Accuracy. *Chiang, K., +, TVT March 2020 2463-2476*

Polynomial Augmented Extended Kalman Filter to Estimate the State of Charge of Lithium-Ion Batteries. *Haus, B., +, TVT Feb. 2020 1452-1463*

Nonlinear functions

Throughput Maximization With Rate-Dependent Power Consumption in Battery-Limited Multiuser Networks. *Zhao, J., +, TVT Jan. 2020 1141-1146*

Nonlinear optics

An FSO-Based Drone Charging System for Emergency Communications. *Wu, D., +, TVT Dec. 2020 16155-16162*

Kernel MSER-DFE Based Post-Distorter for VLC Using Random Fourier Features. *Jain, S., +, TVT Dec. 2020 16241-16246*

Nonlinear programming

Age of Information Aware Trajectory Planning of UAVs in Intelligent Transportation Systems: A Deep Learning Approach. *Samir, M., +, TVT Nov. 2020 12382-12395*

Aging-Aware Optimal Energy Management Control for a Parallel Hybrid Vehicle Based on Electrochemical-Degradation Dynamics. *De Pascali, L., +, TVT Oct. 2020 10868-10878*

Beam Allocation for Millimeter-Wave MIMO Tracking Systems. *Zhang, D., +, TVT Feb. 2020 1595-1611*

Coded Caching for Smart Grid Enabled HetNets With Resource Allocation and Energy Cooperation. *Yin, F., +, TVT Oct. 2020 12058-12071*

Delay-Aware Resource Management for Multi-Service Coexisting LTE-D2D Networks With Wireless Network Virtualization. *Han, Y., +, TVT July 2020 7339-7353*

Energy-Efficient Power Allocation and Q-Learning-Based Relay Selection for Relay-Aided D2D Communication. *Wang, X., +, TVT June 2020 6452-6462*

Energy-Efficient Robust Computation Offloading for Fog-IoT Systems. *Wu, Z., +, TVT April 2020 4417-4425*

Joint Channel Allocation and Resource Management for Stochastic Computation Offloading in MEC. *Ren, J., +, TVT Aug. 2020 8900-8913*

Joint Optimal Software Caching, Computation Offloading and Communications Resource Allocation for Mobile Edge Computing. *Wen, W., +, TVT July 2020 7879-7894*

Joint Optimization Strategy of Computation Offloading and Resource Allocation in Multi-Access Edge Computing Environment. *Li, H., +, TVT Sept. 2020 10214-10226*

Joint Uplink/Downlink Discrete Sum Rate Maximization for Full-Duplex Multicell Heterogeneous Networks. *Li, Q., +, TVT March 2020 2758-2770*

Latency Minimization for D2D-Enabled Partial Computation Offloading in Mobile Edge Computing. *Saleem, U., +, TVT April 2020 4472-4486*

Learning to Branch: Accelerating Resource Allocation in Wireless Networks. *Lee, M., +, TVT Jan. 2020 958-970*

Mobility-Aware Multi-User Offloading Optimization for Mobile Edge Computing. *Zhan, W., +, TVT March 2020 3341-3356*

Network Slicing Enabled Resource Management for Service-Oriented Ultra-Reliable and Low-Latency Vehicular Networks. *Chen, Y., +, TVT July 2020 7847-7862*

Online Task Allocation and Flying Control in Fog-Aided Internet of Drones. *Yao, J., +, TVT May 2020 5562-5569*

Resonant Beam Charging-Powered UAV-Assisted Sensing Data Collection. *Chen, W., +, TVT Jan. 2020 1086-1090*

Resource Allocation and Trajectory Optimization for QoE Provisioning in Energy-Efficient UAV-Enabled Wireless Networks. *Zeng, F., +, TVT July 2020 7634-7647*

Resource Allocation for Intelligent Reflecting Surface Aided Vehicular Communications. *Chen, Y., +, TVT Oct. 2020 12321-12326*

UAV-Enabled Uplink Non-Orthogonal Multiple Access System: Joint Deployment and Power Control. *Lu, J., +, TVT Sept. 2020 10090-10102*

Whale Optimization Algorithm With Applications to Resource Allocation in Wireless Networks. *Pham, Q., +, TVT April 2020 4285-4297*

Number theory

Performance Analysis of Bidirectional AF Based Cooperative Vehicular Networks. *Qin, D., +, TVT Feb. 2020 2274-2279*

Numerical analysis

A Bandit Approach for Mode Selection in Ambient Backscatter-Assisted Wireless-Powered Relaying. *Li, G., +, TVT Aug. 2020 9190-9195*

An Applicable Repeated Transmission for Low Latency and Reliable Services. *Kim, E., +, TVT Aug. 2020 8468-8482*

Deep Artificial Noise: Deep Learning-Based Precoding Optimization for Artificial Noise Scheme. *Yun, S., +, TVT March 2020 3465-3469*

Development of an Equivalent Circuit for Batteries Based on a Distributed Impedance Network. *Khayamy, M.*, +, *TVT June 2020 6119-6128*

Machine-Learning-Based Hazardous Spot Detection Framework by Mobile Sensing and Opportunistic Networks. *Watanabe, Y.*, +, *TVT Nov. 2020 13646-13657*

Nonlinear Motion Control for a Quadrotor Transporting a Cable-Suspended Payload. *Lv, Z.*, +, *TVT Aug. 2020 8192-8206*

Transceiver Design for AF MIMO Relay Systems With a Power Splitting Based Energy Harvesting Relay Node. *Li, B.*, +, *TVT March 2020 2376-2388*

Transient Performance Limits for Ultra-Reliable Low-Latency Communications Over Fading Channels. *Yang, H.*, +, *TVT Nov. 2020 13970-13973*

UAV-Enabled Wireless Power Transfer With Base Station Charging and UAV Power Consumption. *Yan, H.*, +, *TVT Nov. 2020 12883-12896*

Wireless Power Transfer Based Adaptive Relaying With Energy Accumulation. *Zhai, C.*, +, *TVT Oct. 2020 11014-11027*

Numerical models

Capacity Analysis of Coordinated Multipoint Reception for mmWave Uplink With Blockages. *Maham, B.*, +, *TVT Dec. 2020 16299-16303*

Time-Dependent Performance Analysis of the 802.11p-Based Platooning Communications Under Disturbance. *Wu, Q.*, +, *TVT Dec. 2020 15760-15773*

Numerical stability

High Throughput Vehicle Coordination Strategies at Road Intersections. *Liu, C.*, +, *TVT Dec. 2020 14341-14354*

Prescribed Performance Concurrent Control of Connected Vehicles With Nonlinear Third-Order Dynamics. *Li, D.*, +, *TVT Dec. 2020 14793-14802*

Stability Region and Delay Analysis of a SWIPT-Based Two-Way Relay Network With Opportunistic Network Coding. *Moradian, M.*, +, *TVT Dec. 2020 15682-15693*

O

Object detection

A Low-Latency Object Detection Algorithm for the Edge Devices of IoV Systems. *Dai, C.*, +, *TVT Oct. 2020 11169-11178*

Adaptive Switching Spatial-Temporal Fusion Detection for Remote Flying Drones. *Xie, J.*, +, *TVT July 2020 6964-6976*

Bundle Adjustment for Monocular Visual Odometry Based on Detections of Traffic Signs. *Zhang, Y.*, +, *TVT Jan. 2020 151-162*

Conditional Weighted Ensemble of Transferred Models for Camera Based Onboard Pedestrian Detection in Railway Driver Support Systems. *Toprak, T.*, +, *TVT May 2020 5041-5054*

Detecting Motion Blurred Vehicle Logo in IoV Using Filter-DeblurGAN and VL-YOLO. *Zhou, L.*, +, *TVT April 2020 3604-3614*

Efficient 3D Road Map Data Exchange for Intelligent Vehicles in Vehicular Fog Networks. *Ho, I.W.*, +, *TVT March 2020 3151-3165*

FPGA Implementation of Real-Time Pedestrian Detection Using Normalization-Based Validation of Adaptive Features Clustering. *Li, T.*, +, *TVT Sept. 2020 9330-9341*

Human-Perception-Oriented Pseudo Analog Video Transmissions With Deep Learning. *Tang, X.*, +, *TVT Sept. 2020 9896-9909*

Hypersonic Target Detection and Velocity Estimation in Coherent Radar System Based on Scaled Radon Fourier Transform. *Sun, Z.*, +, *TVT June 2020 6525-6540*

Inter-Vehicle Distance Estimation Method Based on Monocular Vision Using 3D Detection. *Zhe, T.*, +, *TVT May 2020 4907-4919*

MIMO Radar Transmit-Receive Design for Moving Target Detection in Signal-Dependent Clutter. *Yu, X.*, +, *TVT Jan. 2020 522-536*

Multi-Frame Track-Before-Detect Algorithm for Maneuvering Target Tracking. *Yi, W.*, +, *TVT April 2020 4104-4118*

Radar Sensing-Throughput Tradeoff for Radar Assisted Cognitive Radio Enabled Vehicular Ad-Hoc Networks. *Huang, S.*, +, *TVT July 2020 7483-7492*

Real-Time Single-Stage Vehicle Detector Optimized by Multi-Stage Image-Based Online Hard Example Mining. *Lin, C.*, +, *TVT Feb. 2020 1505-1518*

Robust Lane Detection From Continuous Driving Scenes Using Deep Neural Networks. *Zou, Q.*, +, *TVT Jan. 2020 41-54*

Single-Photon Detection Approach for Autonomous Vehicles Sensing. *Du, P.*, +, *TVT June 2020 6067-6078*

Vehicle Detection and Classification Using Distributed Fiber Optic Acoustic Sensing. *Liu, H.*, +, *TVT Feb. 2020 1363-1374*

Vision-Based Vehicle Detection for VideoSAR Surveillance Using Low-Rank Plus Sparse Three-Term Decomposition. *Zhang, Y.*, +, *TVT May 2020 4711-4726*

Object recognition

Multi-Path Deep CNNs for Fine-Grained Car Recognition. *Wang, H.*, +, *TVT Oct. 2020 10484-10493*

Multi-Variations Activity Based Gaits Recognition Using Commodity WiFi. *Fei, H.*, +, *TVT Feb. 2020 2263-2273*

Robust Lane Detection From Continuous Driving Scenes Using Deep Neural Networks. *Zou, Q.*, +, *TVT Jan. 2020 41-54*

Vehicle Type Recognition From Surveillance Data Based on Deep Active Learning. *Ding, X.*, +, *TVT March 2020 2477-2486*

Object tracking

A Reinforcement Learning-Based Adaptive Path Tracking Approach for Autonomous Driving. *Shan, Y.*, +, *TVT Oct. 2020 10581-10595*

Adaptive Switching Spatial-Temporal Fusion Detection for Remote Flying Drones. *Xie, J.*, +, *TVT July 2020 6964-6976*

Observers

Adaptive Sliding Mode-Based Lateral Stability Control of Steer-by-Wire Vehicles With Experimental Validations. *Zhang, J.*, +, *TVT Sept. 2020 9589-9600*

Asymptotic Stabilization of USVs With Actuator Dead-Zones and Yaw Constraints Based on Fixed-Time Disturbance Observer. *Guo, G.*, +, *TVT Jan. 2020 302-316*

Attractive Ellipsoid Sliding Mode Observer Design for State of Charge Estimation of Lithium-Ion Cells. *Nath, A.*, +, *TVT Dec. 2020 14701-14712*

Dynamic Output Feedback Fault Tolerant Control for Unmanned Underwater Vehicles. *Wang, X.*, +, *TVT April 2020 3693-3702*

Estimation of Transmission Input&Output Shaft Torque and Drive Wheel Speed for Compound Power Split Powertrain Based on Unknown Input Observer. *Li, M.*, +, *TVT May 2020 4883-4893*

Racecar Longitudinal Control in Unknown and Highly-Varying Driving Conditions. *Pedone, S.*, +, *TVT Nov. 2020 12521-12535*

Robust Observer Based Intermittent Forces Estimation for Driver Intervention Identification. *Huang, C.*, +, *TVT April 2020 3628-3640*

Sensor Fault Detection and Isolation Using a Support Vector Machine for Vehicle Suspension Systems. *Jeong, K.*, +, *TVT April 2020 3852-3863*

Supervised Parameter Estimation for Road Vehicles, Mitigating Powertrain Induced Uncertainty. *Wragge-Morley, R.*, +, *TVT July 2020 7000-7013*

Variable-Performance Servo System Design Without Actuator Current and Angle Measurement for Rover Vehicles. *Kim, S.*, +, *TVT Nov. 2020 12725-12733*

Oceanographic equipment

An IMM-UKF Aided SINS/USBL Calibration Solution for Underwater Vehicles. *Yao, Y.*, +, *TVT April 2020 3740-3747*

Oceanographic techniques

An IMM-UKF Aided SINS/USBL Calibration Solution for Underwater Vehicles. *Yao, Y.*, +, *TVT April 2020 3740-3747*

Intelligent Maritime Networking With Edge Services and Computing Capability. *Su, X.*, +, *TVT Nov. 2020 13606-13620*

Peak Extraction Passive Source Localization Using a Single Hydrophone in Shallow Water. *Zhang, T.*, +, *TVT March 2020 3412-3423*

Oceans

Analysis of M-QAM Modulated Underwater Wireless Optical Communication System for Reconfigurable UOWSNs Employed in River Meets Ocean Scenario. *Uppalapati, A.*, +, *TVT Dec. 2020 15244-15252*

Optimal Time-Consuming Path Planning for Autonomous Underwater Vehicles Based on a Dynamic Neural Network Model in Ocean Current Environments. *Chen, M.*, +, *TVT Dec. 2020 14401-14412*

OFDM

A Dual-Functional Massive MIMO OFDM Communication and Radar Transmitter Architecture. *Temiz, M.*, +, *TVT Dec. 2020 14974-14988*

A Tight Upper Bound for Enhanced DCT-OFDM With Index Modulation. *Cao, A.*, +, *TVT Dec. 2020 16213-16217*

Intelligent and Reliable Deep Learning LSTM Neural Networks-Based OFDM-DCSK Demodulation Design. *Zhang, L.*, +, *TVT Dec. 2020 16163-16167*

Joint Carrier-Code Index Modulation Aided M -Ary Differential Chaos Shift Keying System. *Cai, X.*, +, *TVT Dec. 2020 15486-15499*

Multi-Level Sequence-Based Frequency-Hopping in Multi-Cell Networks. *Zeng, Q.*, +, *TVT Dec. 2020 16282-16287*

OTFS Based Random Access Preamble Transmission for High Mobility Scenarios. *Sinha, A.K.*, +, *TVT Dec. 2020 15078-15094*

Reconfigurable Intelligent Surface (RIS)-Enhanced Two-Way OFDM Communications. *Pradhan, C.*, +, *TVT Dec. 2020 16270-16275*

Uplink Interference Analysis of F-OFDM Systems Under Non-Ideal Synchronization. *Chen, H.*, +, *TVT Dec. 2020 15500-15517*

OFDM modulation

A Simple Variational Bayes Detector for Orthogonal Time Frequency Space (OTFS) Modulation. *Yuan, W.*, +, *TVT July 2020 7976-7980*

A Speed Adaptive Joint Subcarrier and Power Allocation Technique for Downlink OFDMA Video Transmission Over Doubly Selective Channels. *Raphel, F.*, +, *TVT Feb. 2020 1879-1887*

Adaptive Channel Prediction, Beamforming and Scheduling Design for 5G V2I Network: Analytical and Machine Learning Approaches. *Bogale, T.E.*, +, *TVT May 2020 5055-5067*

Adaptive Turbo Equalization for Differential OFDM Systems in Underwater Acoustic Communications. *Zhao, S.*, +, *TVT Nov. 2020 13937-13941*

An Adaptive BLAST Successive Interference Cancellation Method for High Data Rate Perfect Space-Time Coded MIMO Systems. *Grabner, M.J.*, +, *TVT Feb. 2020 1542-1553*

An Experimental Investigation of Enhanced SM-OFDM Over Indoor Rician Multipath Channels. *Jiang, K.*, +, *TVT Feb. 2020 2291-2295*

Approximate Gram-Matrix Interpolation for Wideband Massive MU-MIMO Systems. *Jeon, C.*, +, *TVT May 2020 4677-4688*

Bayesian Receiver Design for Grant-Free NOMA With Message Passing Based Structured Signal Estimation. *Zhang, Y.*, +, *TVT Aug. 2020 8643-8656*

Bit Error Probability and Capacity Bound of OFDM Systems in Deterministic Doubly-Selective Channels. *Dominguez-Bolano, T.*, +, *TVT Oct. 2020 11458-11469*

Blind Fast CFO Estimation and Performance Analysis for OFDM. *Meng, Y.*, +, *TVT Oct. 2020 11501-11514*

Blind Modulation Classification for Asynchronous OFDM Systems Over Unknown Signal Parameters and Channel Statistics. *Gupta, R.*, +, *TVT May 2020 5281-5292*

Broad Echo State Network for Channel Prediction in MIMO-OFDM Systems. *Sui, Y.*, +, *TVT Nov. 2020 13383-13399*

Closed-Form Bit Error Probabilities for FBMC Systems. *Kobayashi, R.T.*, +, *TVT Feb. 2020 1237-1244*

Cognitive Radio Network Assisted by OFDM With Index Modulation. *Li, J.*, +, *TVT Jan. 2020 1106-1110*

Complementary Coded CDMA Systems With CP-Free OFDM. *Wang, X.*, +, *TVT Oct. 2020 11515-11528*

Concurrent OFDM Demodulation and Turbo Decoding for Ultra Reliable Low Latency Communication. *Xiang, L.*, +, *TVT Feb. 2020 1281-1290*

Constant-Amplitude Sequences for Spectrally Compact OFDM Training Waveforms. *Chung, C.*, +, *TVT Nov. 2020 12974-12991*

Deep Reinforcement Learning-Based Resource Allocation and Power Control in Small Cells With Limited Information Exchange. *Jang, J.*, +, *TVT Nov. 2020 13768-13783*

Detection for OFDM-AF Relay Systems Under Gaussian Mixture Noise With Imperfect CSI. *Zhang, J.*, +, *TVT May 2020 5666-5671*

Direct Data Detection of OFDM Signals Over Wireless Channels. *Saci, A.*, +, *TVT Nov. 2020 12432-12448*

Doppler Influence on Waveform Orthogonality in 79 GHz MIMO Phase-Coded Automotive Radar. *Overdevest, J.*, +, *TVT Jan. 2020 16-25*

Downlink Sum-Rates of SC-FDP and OFDM Massive MIMO Systems in Doubly Dispersive Channels. *Mokhtari, Z.*, +, *TVT Aug. 2020 8065-8079*

Efficient Design of Selective Mapping and Partial Transmit Sequence Using T-OFDM. *Ahmed, M.S.*, +, *TVT March 2020 2636-2648*

Efficient Sequential Detection of Carrier Frequency Offset and Primary Synchronization Signal for 5G NR Systems. *You, Y.*, +, *TVT Aug. 2020 9212-9216*

Energy Efficient Parallel Concatenated Index Modulation and M -ary PSK Aided OFDM-DCSK Communications With QoS Consideration. *Liu, Z.*, +, *TVT Sept. 2020 9469-9482*

Extensionless Adaptive Transmitter and Receiver Windowing of Beyond 5G Frames. *Pekoz, B.*, +, *TVT Feb. 2020 1888-1902*

Frequency Synchronization With Beamforming Network Optimization for Uplink Massive MIMO Systems. *Feng, Y.*, +, *TVT March 2020 3486-3490*

High-Resolution Delay-Doppler Estimation Using Received Communication Signals for OFDM Radar-Communication System. *Sanson, J.B.*, +, *TVT Nov. 2020 13112-13123*

Joint Frequency and Power Control for Self-Organizing OFDMA Femtocell Networks. *Sevim, O.*, +, *TVT May 2020 5089-5101*

Joint OAM Multiplexing and OFDM in Sparse Multipath Environments. *Liang, L.*, +, *TVT April 2020 3864-3878*

Joint Power Allocation and Beamforming for Overlaid Secrecy Transmissions in MIMO-OFDM Channels. *Yuan, C.*, +, *TVT Sept. 2020 10019-10032*

Joint Resource Management With Distributed Uplink Power Control in Full-Duplex OFDMA Networks. *Sultan, R.*, +, *TVT March 2020 2850-2863*

Joint User Pairing, Subchannel Assignment and Power Allocation in Cooperative Non-Orthogonal Multiple Access Networks. *Lamba, A.K.*, +, *TVT Oct. 2020 11790-11799*

Kalman Filter Based Recursive Estimation of Slowly Fading Sparse Channel in Impulsive Noise Environment for OFDM Systems. *Ly, X.*, +, *TVT March 2020 2828-2835*

Latency Minimization for D2D-Enabled Partial Computation Offloading in Mobile Edge Computing. *Saleem, U.*, +, *TVT April 2020 4472-4486*

Low-Complexity Equalization of MIMO-OSDM. *Han, J.*, +, *TVT Feb. 2020 2301-2305*

Non-Coherent Massive MIMO-OFDM Down-Link Based on Differential Modulation. *Chen-Hu, K.*, +, *TVT Oct. 2020 11281-11294*

Non-Redundant OFDM Receiver Windowing for 5G Frames and Beyond. *Pekoz, B.*, +, *TVT Jan. 2020 676-684*

Optimal Uplink Pilot-Data Power Allocation for Large-Scale Antenna Array-Aided OFDM Systems. *Guo, X.*, +, *TVT Jan. 2020 428-442*

OQAM-OFDM Radar Approximated IRCI-Free Pulse Compression. *Shi, Q.*, +, *TVT Sept. 2020 10009-10018*

Peak-to-Average Power Ratio Analysis for OFDM-Based Mixed-Numerology Transmissions. *Liu, X.*, +, *TVT Feb. 2020 1802-1812*

Performance Analysis of OFDM With Peak Cancellation Under EVM and ACLR Restrictions. *Kageyama, T.*, +, *TVT June 2020 6230-6241*

Power Allocation for Intelligent Interference Exploitation Aided Physical-Layer Security in OFDM-Based Heterogeneous Cellular Networks. *Jiang, Y.*, +, *TVT March 2020 3021-3033*

Preamble Power Optimization Based on Intrinsic Interference Utilization for OQAM/FBMC Channel Estimation. *Liu, W.*, +, *TVT Nov. 2020 13556-13566*

Resource Allocation for Cellular V2X Networks Mode-3 With Underlay Approach in LTE-V Standard. *Aslani, R.*, +, *TVT Aug. 2020 8601-8612*

Robust Rate-Maximization Precoder Design for VFDM System. *Liu, W.*, +, *TVT March 2020 2747-2757*

Securing OFDM-Based NOMA SWIPT Systems. *Badawy, A.*, +, *TVT Oct. 2020 12343-12347*

Short Prototype Filter Design for OQAM-FBMC Modulation. *Galdino, I.*, +, *TVT Aug. 2020 9163-9167*

SINR Analysis of Different OFDM-Inspired Waveforms Over Doubly Dispersive Channels. *Wang, X.*, +, *TVT Sept. 2020 9459-9468*

Sparse Space-Time-Frequency-Domain Spreading for Large-Scale Non-Orthogonal Multiple Access. *Liu, Y.*, +, *TVT Oct. 2020 12327-12332*

Spectral Coexistence of LDACS and DME: Analysis via Hardware Software Co-Design in Presence of Real Channels and RF Impairments. *Agrawal, N.*, +, *TVT Sept. 2020 9837-9848*

- Statistical Modelling of Dynamic Interference Threshold and Its Effect on Network Capacity. *Kachroo, A.*, +, *TVT May 2020 5102-5114*
- Subcarrier-Wise Backscatter Communications Over Ambient OFDM for Low Power IoT. *Nemati, M.*, +, *TVT Nov. 2020 13229-13242*
- Super-Resolution Range and Velocity Estimations With OFDM Integrated Radar and Communications Waveform. *Liu, Y.*, +, *TVT Oct. 2020 11659-11672*
- Wideband Ultrasonic Acoustic Underwater Channels: Measurements and Characterization. *Lopez-Fernandez, J.*, +, *TVT April 2020 4019-4032*
- Off-road vehicles**
- Improving the Fuel Efficiency of Compact Wheel Loader With a Series Hydraulic Hybrid Powertrain. *Wen, Q.*, +, *TVT Oct. 2020 10700-10709*
- Mitigating the Torque Ripple in Electric Traction Using Proportional Integral Resonant Controller. *Chuan, H.*, +, *TVT Oct. 2020 10820-10831*
- Oils**
- Global Synchronous Optimization Including Intake Valves and Exhaust Valves Based on MODM Strategy. *Lu, Y.*, +, *TVT Dec. 2020 14858-14868*
- Omnidirectional antennas**
- A Tri-Polarized Antenna With Diverse Radiation Characteristics for 5G and V2X Communications. *Feng, B.*, +, *TVT Sept. 2020 10115-10126*
- On-board communications**
- Handling Spontaneous Traffic Variations in 5G+ via Offloading Onto mmWave-Capable UAV "Bridges". *Tafintsev, N.*, +, *TVT Sept. 2020 10070-10084*
- Securing SOME/IP for In-Vehicle Service Protection. *Iorio, M.*, +, *TVT Nov. 2020 13450-13466*
- Open systems**
- Joint Task Offloading and Payment Determination for Mobile Edge Computing: A Stable Matching Based Approach. *Wang, X.*, +, *TVT Oct. 2020 12148-12161*
- Optical attenuators**
- Analysis of M-QAM Modulated Underwater Wireless Optical Communication System for Reconfigurable UOWSNs Employed in River Meets Ocean Scenario. *Uppalapati, A.*, +, *TVT Dec. 2020 15244-15252*
- Optical beams**
- An FSO-Based Drone Charging System for Emergency Communications. *Wu, D.*, +, *TVT Dec. 2020 16155-16162*
- Channel Modeling for UAV-Based Optical Wireless Links With Nonzero Boresight Pointing Errors. *Dabiri, M.T.*, +, *TVT Dec. 2020 14238-14246*
- Optical fiber communication**
- Channel Modeling for UAV-Based Optical Wireless Links With Nonzero Boresight Pointing Errors. *Dabiri, M.T.*, +, *TVT Dec. 2020 14238-14246*
- Optical fiber networks**
- On Throughput Optimization and Bound Analysis in Cache-Enabled Fiber-Wireless Networks. *Gu, Z.*, +, *TVT Aug. 2020 9068-9082*
- Task Offloading in Vehicular Edge Computing Networks: A Load-Balancing Solution. *Zhang, J.*, +, *TVT Feb. 2020 2092-2104*
- Optical links**
- 3D Drone Base Station Placement and Resource Allocation With FSO-Based Backhaul in Hotspots. *Zhang, S.*, +, *TVT March 2020 3322-3329*
- Channel Modelling and Performance Limits of Vehicular Visible Light Communication Systems. *Karbalayghareh, M.*, +, *TVT July 2020 6891-6901*
- Low Complexity Least Minimum Symbol Error Rate Based Post-Distortion for Vehicular VLC. *Mitra, R.*, +, *TVT Oct. 2020 11800-11810*
- Performance Analysis of Mixed RF-UWOC Dual-Hop Transmission Systems. *Li, S.*, +, *TVT Nov. 2020 14043-14048*
- Optical modulation**
- Analysis of M-QAM Modulated Underwater Wireless Optical Communication System for Reconfigurable UOWSNs Employed in River Meets Ocean Scenario. *Uppalapati, A.*, +, *TVT Dec. 2020 15244-15252*
- Design and Performance Analysis of LED-Grouping Based Spatial Modulation in the Visible Light Communication System. *Gao, X.*, +, *TVT July 2020 7317-7324*
- On the Performance Analysis of Higher Order QAM Schemes Over Mixed RF/FSO Systems. *Singva, P.K.*, +, *TVT July 2020 7366-7378*
- Optical radar**
- Efficient 3D Road Map Data Exchange for Intelligent Vehicles in Vehicular Fog Networks. *Ho, I.W.*, +, *TVT March 2020 3151-3165*
- Full Waveform LiDAR for Adverse Weather Conditions. *Wallace, A.M.*, +, *TVT July 2020 7064-7077*
- Performance Enhancement of INS/GNSS/Refreshed-SLAM Integration for Acceptable Lane-Level Navigation Accuracy. *Chiang, K.*, +, *TVT March 2020 2463-2476*
- Single-Photon Detection Approach for Autonomous Vehicles Sensing. *Du, P.*, +, *TVT June 2020 6067-6078*
- Optical receivers**
- Channel Modeling for UAV-Based Optical Wireless Links With Nonzero Boresight Pointing Errors. *Dabiri, M.T.*, +, *TVT Dec. 2020 14238-14246*
- Channel Modelling and Performance Limits of Vehicular Visible Light Communication Systems. *Karbalayghareh, M.*, +, *TVT July 2020 6891-6901*
- Multidimensional Multilayer Modulation for Broadcast UVLC With Photon Detectors. *Si-Ma, L.*, +, *TVT June 2020 6437-6451*
- Optical sensors**
- Analysis of M-QAM Modulated Underwater Wireless Optical Communication System for Reconfigurable UOWSNs Employed in River Meets Ocean Scenario. *Uppalapati, A.*, +, *TVT Dec. 2020 15244-15252*
- Optical transmitters**
- Channel Modelling and Performance Limits of Vehicular Visible Light Communication Systems. *Karbalayghareh, M.*, +, *TVT July 2020 6891-6901*
- Optical wavelength conversion**
- Strategic Behavior of In-Motion Wireless Charging Aggregators in the Electricity and Transportation Networks. *Manshadi, S.D.*, +, *TVT Dec. 2020 14780-14792*
- Optimal control**
- A Novelty in *Blahut-Arimoto* Type Algorithms: Optimal Control Over Noisy Communication Channels. *Zamanipour, M.*, *TVT June 2020 6348-6358*
- A Real-Time Nonlinear Model Predictive Controller for Yaw Motion Optimization of Distributed Drive Electric Vehicles. *Guo, N.*, +, *TVT May 2020 4935-4946*
- Active Adaptive Battery Aging Management for Electric Vehicles. *Corno, M.*, +, *TVT Jan. 2020 258-269*
- Aging-Aware Optimal Energy Management Control for a Parallel Hybrid Vehicle Based on Electrochemical-Degradation Dynamics. *De Pascali, L.*, +, *TVT Oct. 2020 10868-10878*
- An ANFIS-Based ECMS for Energy Optimization of Parallel Hybrid Electric Bus. *Tian, X.*, +, *TVT Feb. 2020 1473-1483*
- Comprehensive Efficiency Optimization of Linear Induction Motors for Urban Transit. *Xu, W.*, +, *TVT Jan. 2020 131-139*
- Coordinate Receding Horizon Control for the Power-Shift Process of Multi-speed Electric Vehicles. *Liu, Q.*, +, *TVT Jan. 2020 1055-1059*
- Fuzzy Model Based Control for Energy Management and Optimization in Fuel Cell Vehicles. *Shen, D.*, +, *TVT Dec. 2020 14674-14688*
- Joint Propulsion and Cooling Energy Management of Hybrid Electric Vehicles by Optimal Control. *Chen, B.*, +, *TVT May 2020 4894-4906*
- Learning and Uncertainty-Exploited Directional Antenna Control for Robust Long-Distance and Broad-Band Aerial Communication. *Liu, M.*, +, *TVT Jan. 2020 593-606*
- Look-Ahead Prediction-Based Real-Time Optimal Energy Management for Connected HEVs. *Xu, F.*, +, *TVT March 2020 2537-2551*
- Mixed-Integer Optimal Design and Energy Management of Hybrid Electric Vehicles With Automated Manual Transmissions. *Yu, H.*, +, *TVT Nov. 2020 12705-12715*
- Multiobjective Beamforming Power Control for Robust SINR Target Tracking and Power Efficiency in Multicell MU-MIMO Wireless System. *Chen, W.*, +, *TVT June 2020 6200-6214*
- Optimal Control Design for Connected Cruise Control With Stochastic Communication Delays. *Wang, Z.*, +, *TVT Dec. 2020 15357-15369*
- Optimal Coordinated Control of ARS and DYC for Four-Wheel Steer and In-Wheel Motor Driven Electric Vehicle With Unknown Tire Model. *Wang, Q.*, +, *TVT Oct. 2020 10809-10819*
- Optimal Power Allocation in Battery/Supercapacitor Electric Vehicles Using Convex Optimization. *East, S.*, +, *TVT Nov. 2020 12751-12762*
- PARC: Placement Availability Resilient Controller Scheme for Software-Defined Datacenters. *Chaudhary, R.*, +, *TVT Aug. 2020 8985-9001*

Precoding Design and Power Control for SINR Maximization of MISO System With Nonlinear Power Amplifiers. *Jee, J., +, TVT Nov. 2020 14019-14024*

Self-Adaptive Hyper-Heuristic Markov Chain Evolution for Generating Vehicle Multi-Parameter Driving Cycles. *Zhang, M., +, TVT June 2020 6041-6052*

Spatial Group Based Optimal Uplink Power Control for Random Access in Satellite Networks. *Zhao, B., +, TVT July 2020 7354-7365*

Stable Autonomous Robotic Wheelchair Navigation in the Environment With Slope Way. *Wang, C., +, TVT Oct. 2020 10759-10771*

Throughput Analysis of Low-Latency IoT Systems With QoS Constraints and Finite Blocklength Codes. *Hu, Y., +, TVT March 2020 3093-3104*

Optimization

A Bandit Approach for Mode Selection in Ambient Backscatter-Assisted Wireless-Powered Relaying. *Li, G., +, TVT Aug. 2020 9190-9195*

A Critical MTC Resource Allocation Approach for LTE Networks With Finite Blocklength Codes. *Abdelsadek, M.Y., +, TVT May 2020 5598-5609*

A Decision-Making Strategy for Vehicle Autonomous Braking in Emergency via Deep Reinforcement Learning. *Fu, Y., +, TVT June 2020 5876-5888*

A Deep Learning Framework for Hybrid Beamforming Without Instantaneous CSI Feedback. *Elbir, A.M., TVT Oct. 2020 11743-11755*

A Fully Distributed and Clustered Learning of Power Control in User-Centric Ultra-Dense HetNets. *Makhanbet, M., +, TVT Oct. 2020 11529-11543*

A Joint Service Migration and Mobility Optimization Approach for Vehicular Edge Computing. *Yuan, Q., +, TVT Aug. 2020 9041-9052*

A New Train Integrity Resolution Method Based on Online Carrier Phase Relative Positioning. *Jiang, W., +, TVT Oct. 2020 10519-10530*

A Node Location Algorithm Based on Node Movement Prediction in Underwater Acoustic Sensor Networks. *Zhang, W., +, TVT March 2020 3166-3178*

A Novel Drone's Height Control Algorithm for Throughput Optimization in Disaster Resilient Network. *Ishigami, M., +, TVT Dec. 2020 16188-16190*

A Novel Graphics-Based Multi-Epoch Power Adjustment Strategy for WPCNs. *Wang, T., +, TVT Nov. 2020 14093-14098*

A Novelty in Blahut-Arimoto Type Algorithms: Optimal Control Over Noisy Communication Channels. *Zamanipour, M., TVT June 2020 6348-6358*

A Parking Slot Allocation Framework Based on Virtual Voting and Adaptive Pricing Algorithm. *Hassija, V., +, TVT June 2020 5945-5957*

A Pointer Network Based Deep Learning Algorithm for User Pairing in Full-Duplex Wi-Fi Networks. *Zhang, Y., +, TVT Oct. 2020 12363-12368*

A Real-Time Nonlinear Model Predictive Controller for Yaw Motion Optimization of Distributed Drive Electric Vehicles. *Guo, N., +, TVT May 2020 4935-4946*

A Reinforcement Learning-Based Adaptive Path Tracking Approach for Autonomous Driving. *Shan, Y., +, TVT Oct. 2020 10581-10595*

A Reliable Data Loss Aware Algorithm for Fog-IoT Networks. *Abkenar, F.S., +, TVT May 2020 5718-5722*

A Two-Timescale Approach for Network Slicing in C-RAN. *Zhang, H., +, TVT June 2020 6656-6669*

A Unified Optimisation Framework for QoS Management and Congestion Control in VHTS Systems. *de Cola, T., +, TVT Oct. 2020 11619-11631*

A Universal and Reconfigurable Stability Control Methodology for Articulated Vehicles With Any Configurations. *Zhang, Y., +, TVT April 2020 3748-3759*

Accurate Indoor Localization Assisted With Optimizing Array Orientations and Receiver Positions. *Sheng, M., +, TVT Jan. 2020 509-521*

Achievable Rate Region of MISO Interference Channel Aided by Intelligent Reflecting Surface. *Huang, W., +, TVT Dec. 2020 16264-16269*

Active Adaptive Battery Aging Management for Electric Vehicles. *Corno, M., +, TVT Jan. 2020 258-269*

Aging-Aware Optimal Energy Management Control for a Parallel Hybrid Vehicle Based on Electrochemical-Degradation Dynamics. *De Pascali, L., +, TVT Oct. 2020 10868-10878*

An Anti-Eavesdropping Strategy for Precoding-Aided Spatial Modulation With Rough CSI of Eve. *Xia, G., +, TVT Feb. 2020 2343-2347*

An Edge Computing Based Public Vehicle System for Smart Transportation. *Lin, J., +, TVT Nov. 2020 12635-12651*

An Efficient Calibration of MIMO Channel Sounders With Internal Crosstalk. *Kim, J., +, TVT Sept. 2020 9445-9458*

Analysis and Optimization of Cache-Enabled Fog Radio Access Networks: Successful Transmission Probability, Fractional Offloaded Traffic and Delay. *Jiang, Y., +, TVT May 2020 5219-5231*

Analysis and Optimization of Tail-Biting Spatially Coupled Protograph LDPC Codes for BICM-ID Systems. *Yang, Z., +, TVT Jan. 2020 390-404*

Ant-Colony-Based Complete-Coverage Path-Planning Algorithm for Underwater Gliders in Ocean Areas With Thermoclines. *Han, G., +, TVT Aug. 2020 8959-8971*

Antenna Optimization for Decode-and-Forward Relay in Magnetic Induction Communications. *Ma, H., +, TVT March 2020 3449-3453*

Attractor Selection Based Limited Feedback Hybrid Precoding for Uplink V2I Communications. *Ye, J., +, TVT April 2020 3943-3953*

Autonomous Tracking Using a Swarm of UAVs: A Constrained Multi-Agent Reinforcement Learning Approach. *Chen, Y., +, TVT Nov. 2020 13702-13717*

Backscatter Communication Powered By Selective Relaying. *Li, D., TVT Nov. 2020 14037-14042*

Beyond Intelligent Reflecting Surfaces: Reflective-Transmissive Metasurface Aided Communications for Full-Dimensional Coverage Extension. *Zhang, S., +, TVT Nov. 2020 13905-13909*

BlockEd: Blockchain-Based Secure Data Processing Framework in Edge Envisioned V2X Environment. *Aujla, G.S., +, TVT June 2020 5850-5863*

Buffer-Aided Secure Relay Networks With SWIPT. *Ren, J., +, TVT June 2020 6485-6499*

Caching Placement and Resource Allocation for Cache-Enabling UAV NOMA Networks. *Zhang, T., +, TVT Nov. 2020 12897-12911*

Capacity-Aware Edge Caching in Fog Computing Networks. *Li, Q., +, TVT Aug. 2020 9244-9248*

Centralized Cooperation for Connected and Automated Vehicles at Intersections by Proximal Policy Optimization. *Guan, Y., +, TVT Nov. 2020 12597-12608*

Coalition Game Based Full-Duplex Popular Content Distribution in mmWave Vehicular Networks. *Wang, Y., +, TVT Nov. 2020 13836-13848*

Coherent Communications in Self-Organizing Networks With Distributed Beamforming. *Shi, Y., +, TVT Jan. 2020 760-770*

Communication and Computing Resource Optimization for Connected Autonomous Driving. *Xiong, K., +, TVT Nov. 2020 12652-12663*

Computation-Efficient Offloading and Trajectory Scheduling for Multi-UAV Assisted Mobile Edge Computing. *Zhang, J., +, TVT Feb. 2020 2114-2125*

Connectivity Based DV-Hop Localization for Internet of Things. *Gui, L., +, TVT Aug. 2020 8949-8958*

Content-Centric Heterogeneous Fog Networks Relying on Energy Efficiency Optimization. *Wang, K., +, TVT Nov. 2020 13579-13592*

Contention-Based Radio Resource Management for URLLC-Oriented D2D Communications. *Wu, Y., +, TVT Sept. 2020 9960-9971*

Cooperative Caching and Transmission in CoMP-Integrated Cellular Networks Using Reinforcement Learning. *Lin, P., +, TVT May 2020 5508-5520*

Cooperative Offloading and Resource Management for UAV-Enabled Mobile Edge Computing in Power IoT System. *Liu, Y., +, TVT Oct. 2020 12229-12239*

Coordinate Receding Horizon Control for the Power-Shift Process of Multi-speed Electric Vehicles. *Liu, Q., +, TVT Jan. 2020 1055-1059*

Corrections to "Energy-Efficient and Secure Air-to-Ground Communication With Jittering UAV". *Wu, H., +, TVT Sept. 2020 10397*

Covert Communication Using Null Space and 3D Beamforming: Uncertainty of Willie's Location Information. *Forouzes, M., +, TVT Aug. 2020 8568-8576*

Cross-Media Communications With Decode-and-Forward Relay and Optimal Power Allocation. *Li, Y., +, TVT Aug. 2020 9201-9205*

Deep Artificial Noise: Deep Learning-Based Precoding Optimization for Artificial Noise Scheme. *Yun, S., +, TVT March 2020 3465-3469*

Deep Reinforcement Learning-Based Adaptive Computation Offloading for MEC in Heterogeneous Vehicular Networks. *Ke, H., +, TVT July 2020 7916-7929*

- Deep Reinforcement Learning-Based Resource Allocation and Power Control in Small Cells With Limited Information Exchange. *Jang, J.*, +, *TVT Nov. 2020 13768-13783*
- Design and Experimental Evaluations on Energy-Efficient Control for 4WIMD-EVs Considering Tire Slip Energy. *Zhao, B.*, +, *TVT Dec. 2020 14631-14644*
- Design of Anti-Jamming Waveforms for Time-Hopping Spread Spectrum Systems in Tone Jamming Environments. *Jung, H.*, +, *TVT Jan. 2020 728-737*
- Detection for OFDM-AF Relay Systems Under Gaussian Mixture Noise With Imperfect CSI. *Zhang, J.*, +, *TVT May 2020 5666-5671*
- Device Association for RAN Slicing Based on Hybrid Federated Deep Reinforcement Learning. *Liu, Y.*, +, *TVT Dec. 2020 15731-15745*
- Distributed 3D Relative Localization of UAVs. *Liu, Y.*, +, *TVT Oct. 2020 11756-11770*
- Distributed Utility Optimization in Vehicular Communication Systems. *Diaz-Ibarra, M.A.*, +, *TVT Oct. 2020 11992-12003*
- Distributive Throughput Optimization for Massive Random Access of M2M Communications in LTE Networks. *Zhang, C.*, +, *TVT Oct. 2020 11828-11840*
- DOA Estimation via Sparse Signal Recovery in 4-D Linear Antenna Arrays With Optimized Time Sequences. *Yang, F.*, +, *TVT Jan. 2020 771-783*
- Dynamic Interior Point Method for Vehicular Traffic Optimization. *Guo, C.*, +, *TVT May 2020 4855-4868*
- Dynamic Resource Allocation for Scalable Video Multirate Multicast Over Wireless Networks. *Chen, S.*, +, *TVT Sept. 2020 10227-10241*
- Edge Intelligence for Energy-Efficient Computation Offloading and Resource Allocation in 5G Beyond. *Dai, Y.*, +, *TVT Oct. 2020 12175-12186*
- Efficient Design of Selective Mapping and Partial Transmit Sequence Using T-OFDM. *Ahmed, M.S.*, +, *TVT March 2020 2636-2648*
- Efficient Resource Allocation and Power Control for LTE-A D2D Communication With Pure D2D Model. *Lai, W.*, +, *TVT March 2020 3202-3216*
- Efficient Resource Allocation in SCMA-Enabled Device-to-Device Communication for 5G Networks. *Sultana, A.*, +, *TVT May 2020 5343-5354*
- Enabling Edge Caching Through Full-Duplex Non-Orthogonal Multiple Access. *Ma, R.*, +, *TVT Oct. 2020 12338-12342*
- End-to-End Slicing With Optimized Communication and Computing Resource Allocation in Multi-Tenant 5G Systems. *Chien, H.*, +, *TVT Feb. 2020 2079-2091*
- Energy and Delay Optimization for Cache-Enabled Dense Small Cell Networks. *Wu, H.*, +, *TVT July 2020 7663-7678*
- Energy Efficiency and Delay Optimization for Edge Caching Aided Video Streaming. *Zhou, G.*, +, *TVT Nov. 2020 14116-14121*
- Energy Efficiency for RF-Powered Backscatter Networks Using HTTP Protocol. *Shi, L.*, +, *TVT Nov. 2020 13932-13936*
- Energy-Efficient Design of IRS-NOMA Networks. *Fang, F.*, +, *TVT Nov. 2020 14088-14092*
- Energy-Efficient Massive MIMO With Decentralized Precoder Design. *Zhang, S.*, +, *TVT Dec. 2020 15370-15384*
- Energy-Efficient Resource Allocation for High-Rate Underlay D2D Communications With Statistical CSI: A One-to-Many Strategy. *Li, R.*, +, *TVT April 2020 4006-4018*
- Energy-Saving Deployment Algorithms of UAV Swarm for Sustainable Wireless Coverage. *Zhang, X.*, +, *TVT Sept. 2020 10320-10335*
- Ethical Decision-Making Platform in Autonomous Vehicles With Lexicographic Optimization Based Model Predictive Controller. *Wang, H.*, +, *TVT Aug. 2020 8164-8175*
- Fast Beamforming Design via Deep Learning. *Huang, H.*, +, *TVT Jan. 2020 1065-1069*
- Finite-Alphabet Signature Design for Grant-Free NOMA: A Quantized Deep Learning Approach. *Yu, H.*, +, *TVT Oct. 2020 10975-10987*
- Flexible DRX Optimization for LTE and 5G. *Moradi, F.*, +, *TVT Jan. 2020 607-621*
- Frequency Synchronization With Beamforming Network Optimization for Uplink Massive MIMO Systems. *Feng, Y.*, +, *TVT March 2020 3486-3490*
- Full-Duplex Non-Orthogonal Multiple Access Cooperative Spectrum-Sharing Networks With Non-Linear Energy Harvesting. *Hakimi, A.*, +, *TVT Oct. 2020 10925-10936*
- Fuzzy Model Based Control for Energy Management and Optimization in Fuel Cell Vehicles. *Shen, D.*, +, *TVT Dec. 2020 14674-14688*
- Game Theory-Based Multi-Objective Optimization Interference Alignment Algorithm for HSR 5G Heterogeneous Ultra-Dense Network. *Sheng, J.*, +, *TVT Nov. 2020 13371-13382*
- Gibbs Distribution Based Antenna Splitting and User Scheduling in Full Duplex Massive MIMO Systems. *Guo, M.*, +, *TVT April 2020 4508-4515*
- Global Synchronous Optimization Including Intake Valves and Exhaust Valves Based on MODM Strategy. *Lu, Y.*, +, *TVT Dec. 2020 14858-14868*
- Green Traffic Off-Loading Over Uncertain Shared Spectrums With End-to-End QoS Guarantee. *Li, X.*, +, *TVT Sept. 2020 9921-9937*
- Hierarchical Optimization of an On-Board Supercapacitor Energy Storage System Considering Train Electric Braking Characteristics and System Loss. *Zhong, Z.*, +, *TVT March 2020 2576-2587*
- Hierarchical Resource Allocation in Multi-Service Wireless Networks With Wireless Network Virtualization. *Han, Y.*, +, *TVT Oct. 2020 11811-11827*
- How Much Can Radio Resource Allocation Help to Improve Secrecy Capacity of V2V Underlay Cellular Networks?. *Luo, X.*, +, *TVT Dec. 2020 14932-14944*
- Hybrid Beamforming for mmWave Massive MIMO Systems Employing DFT-Assisted User Clustering. *Soleimani, M.*, +, *TVT Oct. 2020 11646-11658*
- Hybrid Multicast/Unicast Design in NOMA-Based Vehicular Caching System. *Pei, X.*, +, *TVT Dec. 2020 16304-16308*
- Hybrid Precoding for Multiuser Millimeter Wave Massive MIMO Systems: A Deep Learning Approach. *Elbir, A.M.*, +, *TVT Jan. 2020 552-563*
- Hybrid Semi-Dense 3D Semantic-Topological Mapping From Stereo Visual-Inertial Odometry SLAM With Loop Closure Detection. *Wen, S.*, +, *TVT Dec. 2020 16057-16066*
- Importance-Aware Data Selection and Resource Allocation in Federated Edge Learning System. *He, Y.*, +, *TVT Nov. 2020 13593-13605*
- Improper Gaussian Signaling for the K-User MIMO Interference Channels With Hardware Impairments. *Soleymani, M.*, +, *TVT Oct. 2020 11632-11645*
- Incentive-Aware Recruitment of Intelligent Vehicles for Edge-Assisted Mobile Crowdsensing. *Liu, L.*, +, *TVT Oct. 2020 12085-12097*
- Integrated Resource Management for Terrestrial-Satellite Systems. *Fu, S.*, +, *TVT March 2020 3256-3266*
- Intelligent Maritime Networking With Edge Services and Computing Capability. *Su, X.*, +, *TVT Nov. 2020 13606-13620*
- Intelligent Reflecting Surface Aided MIMO Cognitive Radio Systems. *Zhang, L.*, +, *TVT Oct. 2020 11445-11457*
- Intelligent Reflecting Surface-Assisted Millimeter Wave Communications: Joint Active and Passive Precoding Design. *Wang, P.*, +, *TVT Dec. 2020 14960-14973*
- Intelligent User-Centric Networks: Learning-Based Downlink CoMP Region Breathing. *Wang, L.*, +, *TVT May 2020 5583-5597*
- Joint Bi-Static Radar and Communications Designs for Intelligent Transportation. *Cao, N.*, +, *TVT Nov. 2020 13060-13071*
- Joint Computation Offloading and Demand Response Management in Mobile Edge Network With Renewable Energy Sources. *Liu, Y.*, +, *TVT Dec. 2020 15720-15730*
- Joint Modulation and Beamforming for MIMO Systems With 1-b DACs. *Han, Y.*, +, *TVT Jan. 2020 1075-1079*
- Joint Resource Allocation and Computation Offloading With Time-Varying Fading Channel in Vehicular Edge Computing. *Li, S.*, +, *TVT March 2020 3384-3398*
- Joint Resource Management With Distributed Uplink Power Control in Full-Duplex OFDMA Networks. *Sultan, R.*, +, *TVT March 2020 2850-2863*
- Joint Route Selection and Charging Discharging Scheduling of EVs in V2G Energy Network. *Liu, P.*, +, *TVT Oct. 2020 10630-10641*
- Joint Scheduling and Precoding for mmWave and Sub-6GHz Dual-Mode Networks. *Cheng, M.*, +, *TVT Nov. 2020 13098-13111*

- Joint Sparse Beamforming and Power Control for a Large-Scale DAS With Network-Assisted Full Duplex. *Xia, X.*, +, *TVT July 2020 7569-7582*
- Joint Task Offloading and Payment Determination for Mobile Edge Computing: A Stable Matching Based Approach. *Wang, X.*, +, *TVT Oct. 2020 12148-12161*
- Joint Transaction Relaying and Block Verification Optimization for Blockchain Empowered D2D Communication. *Jiang, L.*, +, *TVT Jan. 2020 828-841*
- Joint Transmit Power and Placement Optimization for URLLC-Enabled UAV Relay Systems. *Ren, H.*, +, *TVT July 2020 8003-8007*
- Joint Unmanned Aerial Vehicle (UAV) Deployment and Power Control for Internet of Things Networks. *Fu, S.*, +, *TVT April 2020 4367-4378*
- Jointly Optimized 3D Drone Mounted Base Station Deployment and User Association in Drone Assisted Mobile Access Networks. *Sun, X.*, +, *TVT Feb. 2020 2195-2203*
- Latency and Reliability of mmWave Multi-Hop V2V Communications Under Relay Selections. *Li, Z.*, +, *TVT Sept. 2020 9807-9821*
- Learning Based Joint Cache and Power Allocation in Fog Radio Access Networks. *Rahman, G.M.S.*, +, *TVT April 2020 4401-4411*
- Learning-Based Multi-Channel Access in 5G and Beyond Networks With Fast Time-Varying Channels. *Wang, S.*, +, *TVT May 2020 5203-5218*
- Least-Energy Path Planning With Building Accurate Power Consumption Model of Rotary Unmanned Aerial Vehicle. *Hong, D.*, +, *TVT Dec. 2020 14803-14817*
- Let's Share the Resource When We're Co-Located: Colocation Edge Computing. *Nguyen, M.N.H.*, +, *TVT May 2020 5618-5633*
- LLC Resonant Converter With Damping Split Inductor Improving Light-Load Regulation Ability. *Jing, H.*, +, *TVT Feb. 2020 1428-1439*
- Low-Complexity Beam Training for 5G Millimeter-Wave Massive MIMO Systems. *Wu, W.*, +, *TVT Jan. 2020 361-376*
- Low-Complexity Subarray-Based RF Precoding for Wideband Multiuser Millimeter Wave Systems. *Ni, Z.*, +, *TVT July 2020 8028-8033*
- Machine Learning Enabling Analog Beam Selection for Concurrent Transmissions in Millimeter-Wave V2V Communications. *Yang, Y.*, +, *TVT Aug. 2020 9185-9189*
- Mechanical Design and Analysis of a High-Torque Modular Hybrid Excitation Synchronous Machine for Electric Vehicle Propulsion Applications. *Wang, C.*, +, *TVT Sept. 2020 9624-9633*
- Millimeter-Wave Base Station Deployment Using the Scenario Sampling Approach. *Dong, M.*, +, *TVT Nov. 2020 14013-14018*
- Mixed-Integer Optimal Design and Energy Management of Hybrid Electric Vehicles With Automated Manual Transmissions. *Yu, H.*, +, *TVT Nov. 2020 12705-12715*
- Mobile Edge Computing via Wireless Power Transfer Over Multiple Fading Blocks: An Optimal Stopping Approach. *Gu, Q.*, +, *TVT Sept. 2020 10348-10361*
- Mobile Vehicles as Fog Nodes for Latency Optimization in Smart Cities. *Tang, C.*, +, *TVT Sept. 2020 9364-9375*
- Mobility and Blockage-Aware Communications in Millimeter-Wave Vehicular Networks. *Hussain, M.*, +, *TVT Nov. 2020 13072-13086*
- Mobility Prediction Based Proactive Dynamic Network Orchestration for Load Balancing With QoS Constraint (OPERA). *Farooq, H.*, +, *TVT March 2020 3370-3383*
- Mobility-Aware Subband and Beam Resource Allocation Schemes for Millimeter Wave Wireless Networks. *Shen, L.*, +, *TVT Oct. 2020 11893-11908*
- Modeling and Optimization of Mobility-Aware Dynamic Caching With Time-Varying Content Popularity. *Deng, T.*, +, *TVT Jan. 2020 1157-1162*
- Modeling and Performance Analysis for Ambient Backscattering Underlying Cellular Networks. *Shi, L.*, +, *TVT June 2020 6563-6577*
- Multi-Agent Deep Reinforcement Learning for Distributed Resource Management in Wirelessly Powered Communication Networks. *Hwang, S.*, +, *TVT Nov. 2020 14055-14060*
- Multi-Armed Bandit Learning for Computation-Intensive Services in MEC-Empowered Vehicular Networks. *Dai, P.*, +, *TVT July 2020 7821-7834*
- Multi-Beam Multiplexing Design for Arbitrary Directions Based on the Interleaved Subarray Architecture. *Zhang, J.*, +, *TVT Oct. 2020 11220-11232*
- Multi-Beam NOMA for Millimeter-Wave Massive MIMO With Lens Antenna Array. *Liu, P.*, +, *TVT Oct. 2020 11570-11583*
- Multi-Item Auction Based Mechanism for Mobile Data Offloading: A Robust Optimization Approach. *Liu, D.*, +, *TVT April 2020 4155-4168*
- Multibeam Optimization for Joint Communication and Radio Sensing Using Analog Antenna Arrays. *Luo, Y.*, +, *TVT Oct. 2020 11000-11013*
- Multiojective Optimization of Lane-Changing Strategy for Intelligent Vehicles in Complex Driving Environments. *Zhou, J.*, +, *TVT Feb. 2020 1291-1308*
- Multuser Precoding for Sum-Rate Maximization in Relay-Aided mmWave Communications. *Yalcin, A.Z.*, +, *TVT June 2020 6808-6812*
- Mutual Inductance and Load Identification Method for Inductively Coupled Power Transfer System Based on Auxiliary Inverter. *Sheng, X.*, +, *TVT Feb. 2020 1533-1541*
- Network Optimisation in 5G Networks: A Radio Environment Map Approach. *Suarez Rodriguez, A.C.*, +, *TVT Oct. 2020 12043-12057*
- Network Slicing Enabled Resource Management for Service-Oriented Ultra-Reliable and Low-Latency Vehicular Networks. *Chen, Y.*, +, *TVT July 2020 7847-7862*
- Non-Cooperative and Cooperative Optimization of Scheduling With Vehicle-to-Grid Regulation Services. *Chen, X.*, +, *TVT Jan. 2020 114-130*
- Novel Outage-Aware NOMA Protocol for Secrecy Fairness Maximization Among Untrusted Users. *Thapar, S.*, +, *TVT Nov. 2020 13259-13272*
- Novel QoS-Guaranteed Orchestration Scheme for Energy-Efficient Mobile Augmented Reality Applications in Multi-Access Edge Computing. *Ahn, J.*, +, *TVT Nov. 2020 13631-13645*
- On the Performance Analysis of mmWave MIMO-NOMA Transmission Scheme. *Aghdam, M.R.G.*, +, *TVT Oct. 2020 11491-11500*
- On Throughput Optimization and Bound Analysis in Cache-Enabled Fiber-Wireless Networks. *Gu, Z.*, +, *TVT Aug. 2020 9068-9082*
- On Uplink Performance of Multiuser Massive MIMO Relay Network With Limited RF Chains. *Xu, J.*, +, *TVT Aug. 2020 8670-8683*
- Online Computation Offloading and Traffic Routing for UAV Swarms in Edge-Cloud Computing. *Liu, B.*, +, *TVT Aug. 2020 8777-8791*
- Optimal Allocation of Inverter-Based WTGS Complying With Their DSTATCOM Functionality and PEV Requirements. *Ali, A.*, +, *TVT May 2020 4763-4772*
- Optimal Energy Cooperation Policy in Fusion Center-Based Sustainable Wireless Sensor Networks. *Liang, H.*, +, *TVT June 2020 6401-6414*
- Optimal Measurement Policy for Linear Measurement Systems With Applications to UAV Network Topology Prediction. *Razi, A.*, *TVT Feb. 2020 1970-1981*
- Optimal Power Allocation in Cooperative Networks With Energy-Saving Protocols. *Ojo, F.K.*, +, *TVT May 2020 5079-5088*
- Optimal Power and Bandwidth Allocation for Multiuser Video Streaming in UAV Relay Networks. *Chen, Y.*, +, *TVT June 2020 6644-6655*
- Optimal-Power Superposition Modulation for Scalable Video Broadcasting. *Zhang, Y.*, +, *TVT Dec. 2020 16230-16234*
- Optimization of Data Exchange in 5G Vehicle-to-Infrastructure Edge Networks. *Huang, T.*, +, *TVT Sept. 2020 9376-9389*
- Optimization of Multitenant Radio Admission Control Through a Semi-Markov Decision Process. *Perez-Romero, J.*, +, *TVT Jan. 2020 862-875*
- Outage Analysis in Cognitive Radio Networks With Energy Harvesting and Q-Routing. *Paul, A.*, +, *TVT June 2020 6755-6765*
- Outage Analysis of RF Energy Harvesting Cooperative Communication Systems Over Nakagami-*m*Fading Channels With Integer and Non-Integer *m*. *Hoang, T.M.*, +, *TVT March 2020 2785-2801*
- Particle-Filtering-Based Prognostics for the State of Maximum Power Available in Lithium-Ion Batteries at Electromobility Applications. *Diaz, C.*, +, *TVT July 2020 7187-7200*
- Personalized Adaptive Cruise Control Based on Online Driving Style Recognition Technology and Model Predictive Control. *Gao, B.*, +, *TVT Nov. 2020 12482-12496*

- PMSM Design for Achieving a Target Torque-Speed-Efficiency Map. *Candelo-Zuluaga, C.*, +, *TVT Dec. 2020 14448-14457*
- Power Optimization for Enhancing Secrecy of Cooperative User Relaying NOMA Networks. *Cao, Y.*, +, *TVT July 2020 8008-8012*
- Precoding Design and Optimization for Multi-Antenna Systems With Limited Feedback. *Zou, Y.*, *TVT July 2020 7306-7316*
- Precoding Design and Power Control for SINR Maximization of MISO System With Nonlinear Power Amplifiers. *Jee, J.*, +, *TVT Nov. 2020 14019-14024*
- Predicted Decoupling for Coexistence Between WiFi and LTE in Unlicensed Band. *Tian, F.*, +, *TVT April 2020 4130-4141*
- Priority-Aware Task Offloading in Vehicular Fog Computing Based on Deep Reinforcement Learning. *Shi, J.*, +, *TVT Dec. 2020 16067-16081*
- Private Uplink Communication in C-RAN With Untrusted Radios. *Taghizadeh, O.*, +, *TVT July 2020 8034-8039*
- Proportional-Fair Multi-User Scalable Layered Wireless Video Streaming Powered by Energy Harvesting. *Yang, J.*, +, *TVT April 2020 4460-4471*
- QoE Analysis in Cache-Enabled Multi-UAV Networks. *Bera, A.*, +, *TVT June 2020 6680-6687*
- QoS Constrained Pilot Allocation Scheme for Massive MIMO Systems. *Qi, C.*, +, *TVT May 2020 5661-5665*
- QoS Guaranteed Edge Cloud Resource Provisioning for Vehicle Fleets. *Tang, G.*, +, *TVT June 2020 5889-5900*
- QoS Optimisation of eMBB Services in Converged 5G-Satellite Networks. *de Cola, T.*, +, *TVT Oct. 2020 12098-12110*
- Real-Time QoS Optimization for Vehicular Edge Computing With Off-Grid Roadside Units. *Ku, Y.*, +, *TVT Oct. 2020 11975-11991*
- Real-Time Single-Stage Vehicle Detector Optimized by Multi-Stage Image-Based Online Hard Example Mining. *Lin, C.*, +, *TVT Feb. 2020 1505-1518*
- Reinforcement Learning for Efficient and Fair Coexistence Between LTE-LAA and Wi-Fi. *Han, M.*, +, *TVT Aug. 2020 8764-8776*
- Remote Radio Head Activation and User Association in Dense C-RANs. *Wu, Z.*, +, *TVT Oct. 2020 12216-12228*
- Resource Allocation in Green Dense Cellular Networks: Complexity and Algorithms. *Mlika, Z.*, +, *TVT Feb. 2020 1994-2007*
- Response Delay Optimization in Mobile Edge Computing Enabled UAV Swarm. *Zhang, Q.*, +, *TVT March 2020 3280-3295*
- Robust Operation of Shipboard Microgrids With Multiple-Battery Energy Storage System Under Navigation Uncertainties. *Fang, S.*, +, *TVT Oct. 2020 10531-10544*
- Robust Rate-Maximization Precoder Design for VFDN System. *Liu, W.*, +, *TVT March 2020 2747-2757*
- Scalable Parallel Task Scheduling for Autonomous Driving Using Multi-Task Deep Reinforcement Learning. *Qi, Q.*, +, *TVT Nov. 2020 13861-13874*
- Securing OFDM-Based NOMA SWIPT Systems. *Badawy, A.*, +, *TVT Oct. 2020 12343-12347*
- Security Enhanced Content Sharing in Social IoT: A Directed Hypergraph-Based Learning Scheme. *Wang, B.*, +, *TVT April 2020 4412-4425*
- Self-Adaptive Hyper-Heuristic Markov Chain Evolution for Generating Vehicle Multi-Parameter Driving Cycles. *Zhang, M.*, +, *TVT June 2020 6041-6052*
- Self-Energized UAV-Assisted Scheme for Cooperative Wireless Relay Networks. *Jayakody, D.N.K.*, +, *TVT Jan. 2020 578-592*
- Service-Oriented Fair Resource Allocation and Auction for Civil Aircrafts Augmented Space-Air-Ground Integrated Networks. *Chen, Q.*, +, *TVT Nov. 2020 13658-13672*
- Short-Term Optimal Energy Management of Power-Split Hybrid Electric Vehicles Under Velocity Tracking Control. *Zhang, J.*, +, *TVT Jan. 2020 182-193*
- Simultaneous Wireless Content and Power Transfer in F-RAN: Caching, eRRH Classification and Beamforming. *Hu, J.*, +, *TVT Nov. 2020 12992-13004*
- Space-Domain Index Modulation for mmWave Cloud Radio Access Networks. *Luo, S.*, +, *TVT June 2020 6215-6229*
- Spatial Group Based Optimal Uplink Power Control for Random Access in Satellite Networks. *Zhao, B.*, +, *TVT July 2020 7354-7365*
- Spectral Efficiency Optimization and Interference Management for Multi-Hop D2D Communications in VANETs. *Yang, F.*, +, *TVT June 2020 6422-6436*
- Spectral Efficiency Optimization for Next Generation NOMA-Enabled IoT Networks. *Khan, W.U.*, +, *TVT Dec. 2020 15284-15297*
- Statistical Energy Efficiency Characterization for Wireless Transmission Over Fading Channels. *Yang, H.*, +, *TVT Nov. 2020 13947-13951*
- Stochastic Belief Propagation Polar Decoding With Efficient Re-Randomization. *Xu, M.*, +, *TVT June 2020 6771-6776*
- Sub-Channel Allocation for Full-Duplex Access and Device-to-Device Links Underlying Heterogeneous Cellular Networks Using Coalition Formation Games. *Chen, Y.*, +, *TVT Sept. 2020 9736-9749*
- Subchannel Allocation Based on Clustered Interference Alignment for Differentiated Data Streams in Dense Small Cell Networks. *Zhang, H.*, +, *TVT Nov. 2020 14049-14054*
- Sum-Rate Maximization Based Relay Selection for Cooperative NOMA Over Nakagami-m Fading. *Li, Y.*, +, *TVT Nov. 2020 13985-13989*
- Sum-Rate Maximization of Multicell MISO Networks With Limited Information Exchange. *Kim, Y.*, +, *TVT July 2020 7247-7263*
- System-Centric Computation Energy Efficiency for Distributed NOMA-Based MEC Networks. *Ye, Y.*, +, *TVT Aug. 2020 8938-8948*
- Systematic Methodology for Architecture Generation and Design Optimization of Hybrid Powertrains. *Kabalan, B.*, +, *TVT Dec. 2020 14846-14857*
- Time-Expanded Graph Based Energy-Efficient Delay-Bounded Multicast Over Satellite Networks. *Shi, K.*, +, *TVT Sept. 2020 10380-10384*
- Toward Swarm Coordination: Topology-Aware Inter-UAV Routing Optimization. *Hong, L.*, +, *TVT Sept. 2020 10177-10187*
- Towards Massive MIMO Channel Emulation: Channel Accuracy Versus Implementation Resources. *Huang, P.*, +, *TVT May 2020 4635-4651*
- Tradeoff Between Ergodic Energy Efficiency and Spectral Efficiency in D2D Communications Under Rician Fading Channel. *Mili, M.R.*, +, *TVT Sept. 2020 9750-9766*
- Traffic Differentiated Clustering Routing in DSRC and C-V2X Hybrid Vehicular Networks. *Qi, W.*, +, *TVT July 2020 7723-7734*
- Truncated Tree Based Hybrid Beamforming for Multi-Panel MIMO. *Wang, W.*, +, *TVT Nov. 2020 13974-13978*
- Two-Way Dual-Hop WPCN With A Practical Energy Harvesting Model. *Ramezani, P.*, +, *TVT July 2020 8013-8017*
- UAV-Assisted Cooperative Communications With Time-Sharing Information and Power Transfer. *Yin, S.*, +, *TVT Feb. 2020 1554-1567*
- UAV-Enabled Secure Communications by Multi-Agent Deep Reinforcement Learning. *Zhang, Y.*, +, *TVT Oct. 2020 11599-11611*
- UAV-Enabled Wireless Power Transfer With Base Station Charging and UAV Power Consumption. *Yan, H.*, +, *TVT Nov. 2020 12883-12896*
- Uplink Performance Improvement for Downlink-Uplink Decoupled HetNets With Non-Uniform User Distribution. *Sun, K.*, +, *TVT July 2020 7518-7530*
- Uplinks Schedulers for RF-Energy Harvesting Networks With Imperfect CSI. *Liu, Y.*, +, *TVT April 2020 4233-4245*
- Utility Analysis of Radio Access Network Slicing. *Zhou, G.*, +, *TVT Jan. 2020 1163-1167*
- Video Caching and Transcoding in Wireless Cellular Networks With Mobile Edge Computing: A Robust Approach. *Wang, C.*, +, *TVT Aug. 2020 9234-9238*
- When to Realign the Receive Beam in High Mobility V2X Communications?. *Kang, Y.*, +, *TVT Nov. 2020 13180-13195*
- Wired/Wireless Hybrid Charging System for Electrical Vehicles With Minimum Rated Power Requirement for DC Module. *Deng, Q.*, +, *TVT Oct. 2020 10889-10898*
- Wireless Powered Intelligent Reflecting Surfaces for Enhancing Wireless Communications. *Zou, Y.*, +, *TVT Oct. 2020 12369-12373*
- Organizational aspects**
- Intra-Operator Customer Churn in Telecommunications: A Systematic Perspective. *Zhang, Y.*, +, *TVT Jan. 2020 948-957*
- Orthogonal codes**
- Enhanced Diversity-Achieving Quadrature Spatial Modulation With Fast Decodability. *Wang, L.*, +, *TVT June 2020 6165-6177*

Performance Analysis of OSTBC-NOMA System in the Presence of Practical Impairments. *Toka, M.*, +, *TVT Sept. 2020 9697-9706*

Physical Layer Security of QSTBC With Power Scaling in MIMO Wiretap Channels. *Chae, S.H.*, +, *TVT May 2020 5647-5651*

Outsourcing

Attribute-Based Encryption With Parallel Outsourced Decryption for Edge Intelligent IoV. *Feng, C.*, +, *TVT Nov. 2020 13784-13795*

Socially Privacy-Preserving Data Collection for Crowdsensing. *Yang, G.*, +, *TVT Jan. 2020 851-861*

Overcurrent protection

Protection Strategy for Wireless Charging Electrical Vehicles. *Zhou, H.*, +, *TVT Nov. 2020 13510-13520*

P

Packet radio networks

A Learning-Based Approach to Intra-Domain QoS Routing. *Yao, H.*, +, *TVT June 2020 6718-6730*

Accurate Probability Distribution Calculation for Drone-Based Highway-VANETs. *Seliem, H.*, +, *TVT Jan. 2020 1127-1130*

An Applicable Repeated Transmission for Low Latency and Reliable Services. *Kim, E.*, +, *TVT Aug. 2020 8468-8482*

An Enhanced Random Access With Distributed Pilot Orthogonalization for Cellular IoT Networks. *Kim, T.*, +, *TVT Jan. 2020 1152-1156*

Latency Constrained Non-Orthogonal Packets Scheduling With Finite Blocklength Codes. *Xu, Y.*, +, *TVT Oct. 2020 12312-12316*

M-JAW: Mobility-Based Jamming Avoidance in Wireless Sensor Networks. *Misra, S.*, +, *TVT May 2020 5381-5390*

Pantographs

Assessment of the High-Frequency Response in Railway Pantograph-Catenary Interaction Based on Numerical Simulation. *Song, Y.*, +, *TVT Oct. 2020 10596-10605*

Dynamic Performance of High-Speed Railway Overhead Contact Line Interacting With Pantograph Considering Local Dropper Defect. *Song, Y.*, +, *TVT June 2020 5958-5967*

Effective Measures to Improve Current Collection Quality for Double Pantographs and Catenary Based on Wave Propagation Analysis. *Xu, Z.*, +, *TVT June 2020 6299-6309*

Fast Prediction Model of Coupling Coefficient Between Pantograph Arcing and GSM-R Antenna. *Song, Y.*, +, *TVT Oct. 2020 11612-11618*

Parallel algorithms

Task Scheduling for Mobile Edge Computing Using Genetic Algorithm and Conflict Graphs. *Al-Habob, A.A.*, +, *TVT Aug. 2020 8805-8819*

Parallel processing

Energy-Efficient UAV-Assisted Mobile Edge Computing: Resource Allocation and Trajectory Optimization. *Li, M.*, +, *TVT March 2020 3424-3438*

Network Function Virtualization Resource Allocation Based on Joint Benders Decomposition and ADMM. *Yu, Y.*, +, *TVT Feb. 2020 1706-1718*

Reduced-Complexity Low-Latency Logarithmic Successive Cancellation Stack Polar Decoding for 5G New Radio and Its Software Implementation. *Xiang, L.*, +, *TVT Nov. 2020 12449-12458*

Parameter estimation

A Fast Robust In-Motion Alignment Method for SINS With DVL Aided. *Xu, X.*, +, *TVT April 2020 3816-3827*

General Parameter Identification Procedure and Comparative Study of Li-Ion Battery Models. *Miniguano, H.*, +, *TVT Jan. 2020 235-245*

Low-Complexity Channel Estimation for Circular and Noncircular Signals in Virtual MIMO Vehicle Communication Systems. *Wang, X.*, +, *TVT April 2020 3916-3928*

Mutual Inductance and Load Identification Method for Inductively Coupled Power Transfer System Based on Auxiliary Inverter. *Sheng, X.*, +, *TVT Feb. 2020 1533-1541*

Parameter Estimation of Fluctuating Two-Ray Model for Next Generation Mobile Communications. *Shi, B.*, +, *TVT Aug. 2020 8684-8697*

Push the Limit of Multipath Profiling Using Commodity WiFi Devices With Limited Bandwidth. *Xue, H.*, +, *TVT April 2020 4142-4154*

Racecar Longitudinal Control in Unknown and Highly-Varying Driving Conditions. *Pedone, S.*, +, *TVT Nov. 2020 12521-12535*

Supervised Parameter Estimation for Road Vehicles, Mitigating Powertrain Induced Uncertainty. *Wragge-Morley, R.*, +, *TVT July 2020 7000-7013*

The COST IRACON Geometry-Based Stochastic Channel Model for Vehicle-to-Vehicle Communication in Intersections. *Gustafson, C.*, +, *TVT March 2020 2365-2375*

Pareto optimization

A Trade-Off Between Energy Efficiency and Spectral Efficiency in Macro-Femtocell Networks. *Ghosh, J.*, *TVT Oct. 2020 10914-10924*

Deep Learning Empowered Traffic Offloading in Intelligent Software Defined Cellular V2X Networks. *Fan, B.*, +, *TVT Nov. 2020 13328-13340*

Multiobjective Beamforming Power Control for Robust SINR Target Tracking and Power Efficiency in Multicell MU-MIMO Wireless System. *Chen, W.*, +, *TVT June 2020 6200-6214*

Pareto-Optimal Pilot Design for Cellular Massive MIMO Systems. *Le, T.A.*, +, *TVT Nov. 2020 13206-13215*

Sizing of a Battery Pack Based on Series/Parallel Configurations for a High-Power Electric Vehicle as a Constrained Optimization Problem. *Pelletier, L.*, +, *TVT Dec. 2020 14150-14159*

Parity check codes

Analysis and Improvement of Error-Floor Performance for JSCC Scheme Based on Double Protograph LDPC Codes. *Chen, Q.*, +, *TVT Dec. 2020 14316-14329*

Analysis and Optimization of Tail-Biting Spatially Coupled Protograph LDPC Codes for BICM-ID Systems. *Yang, Z.*, +, *TVT Jan. 2020 390-404*

Design and Analysis of Joint Source Channel Coding Schemes Over Non-Standard Coding Channels. *Chen, Q.*, +, *TVT May 2020 5369-5380*

Finite-Length Performance Analysis of LDPC Coded Continuous Phase Modulation. *Noor-A-Rahim, M.*, +, *TVT Oct. 2020 12277-12280*

Learning to Denoise and Decode: A Novel Residual Neural Network Decoder for Polar Codes. *Zhu, H.*, +, *TVT Aug. 2020 8725-8738*

Low-Latency Segmented List-Pruning Software Polar List Decoder. *Shen, Y.*, +, *TVT April 2020 3575-3589*

Sphere Constraint Based Enumeration Methods to Analyze the Minimum Weight Distribution of Polar Codes. *Piao, J.*, +, *TVT Oct. 2020 11557-11569*

Partial differential equations

Development of an Equivalent Circuit for Batteries Based on a Distributed Impedance Network. *Khayamy, M.*, +, *TVT June 2020 6119-6128*

Partial transmit sequences

Pilot Length and Channel Estimation for Massive MIMO IoT Systems. *Yan, H.*, +, *TVT Dec. 2020 15532-15544*

Particle filtering (numerical methods)

A Hybrid Method for the Prediction of the Remaining Useful Life of Lithium-Ion Batteries With Accelerated Capacity Degradation. *Cong, X.*, +, *TVT Nov. 2020 12775-12785*

Optimal Coordinated Control of ARS and DYC for Four-Wheel Steer and In-Wheel Motor Driven Electric Vehicle With Unknown Tire Model. *Wang, Q.*, +, *TVT Oct. 2020 10809-10819*

Particle-Filtering-Based Prognostics for the State of Maximum Power Available in Lithium-Ion Batteries at Electromobility Applications. *Diaz, C.*, +, *TVT July 2020 7187-7200*

Particle swarm optimization

A Novel Hybrid Neural Network-Based Multirobot Path Planning With Motion Coordination. *Pradhan, B.*, +, *TVT Feb. 2020 1319-1327*

A Novel Predictive Energy Management Strategy for Electric Vehicles Based on Velocity Prediction. *Zhai, C.*, +, *TVT Nov. 2020 12559-12569*

An Adaptive Computation Offloading Mechanism for Mobile Health Applications. *Dai, S.*, +, *TVT Jan. 2020 998-1007*

An Integrated Urban Positioning Algorithm Using Matching, Particle Swarm Optimized Adaptive Neuro Fuzzy Inference System and a Spatial City Model. *Sun, R.*, +, *TVT May 2020 4842-4854*

Cooperative Path Planning for Heterogeneous Unmanned Vehicles in a Search-and-Track Mission Aiming at an Underwater Target. *Wu, Y.*, +, *TVT June 2020 6782-6787*

Efficient Mode Transition Control for Parallel Hybrid Electric Vehicle With Adaptive Dual-Loop Control Framework. *Yang, C.*, +, *TVT Feb. 2020 1519-1532*

- Integrated Timetable Optimization for Minimum Total Energy Consumption of an AC Railway System. *Pan, Z., +, TVT April 2020 3641-3653*
- On Cooperative Achievable Rates of UAV Assisted Cellular Networks. *Song, Y., +, TVT Sept. 2020 9882-9895*
- Poisoning and Evasion Attacks Against Deep Learning Algorithms in Autonomous Vehicles. *Jiang, W., +, TVT April 2020 4439-4449*
- Precoding Optimization for Faster-Than-Nyquist Signaling With Probabilistic Shaping. *Kang, W., +, TVT Oct. 2020 11470-11478*
- Scalable Parallel Task Scheduling for Autonomous Driving Using Multi-Task Deep Reinforcement Learning. *Qi, Q., +, TVT Nov. 2020 13861-13874*
- User Access and Resource Allocation in Full-Duplex User-Centric Ultra-Dense Networks. *Zhang, G., +, TVT Oct. 2020 12015-12030*

Passive radar

- Passive Radar at the Roadside Unit to Configure Millimeter Wave Vehicle-to-Infrastructure Links. *Ali, A., +, TVT Dec. 2020 14903-14917*

Path planning

- A Novel Hybrid Neural Network-Based Multirobot Path Planning With Motion Coordination. *Pradhan, B., +, TVT Feb. 2020 1319-1327*
- A Reinforcement Learning-Based Adaptive Path Tracking Approach for Autonomous Driving. *Shan, Y., +, TVT Oct. 2020 10581-10595*
- Age of Information Aware Trajectory Planning of UAVs in Intelligent Transportation Systems: A Deep Learning Approach. *Samir, M., +, TVT Nov. 2020 12382-12395*
- An Integrated Framework of Decision Making and Motion Planning for Autonomous Vehicles Considering Social Behaviors. *Hang, P., +, TVT Dec. 2020 14458-14469*
- Autonomous Tracking Using a Swarm of UAVs: A Constrained Multi-Agent Reinforcement Learning Approach. *Chen, Y., +, TVT Nov. 2020 13702-13717*
- Completion Time Minimization for Turning Angle-Constrained UAV-to-UAV Communications. *Wang, H., +, TVT April 2020 4569-4574*
- Cooperative Path Planning for Heterogeneous Unmanned Vehicles in a Search-and-Track Mission Aiming at an Underwater Target. *Wu, Y., +, TVT June 2020 6782-6787*
- Edge Computing Resources Reservation in Vehicular Networks: A Meta-Learning Approach. *Chen, D., +, TVT May 2020 5634-5646*
- Edge Computing-Based Collaborative Vehicles 3D Mapping in Real Time. *Wen, S., +, TVT Nov. 2020 12470-12481*
- Energy Efficient UAV Communication With Energy Harvesting. *Yang, Z., +, TVT Feb. 2020 1913-1927*
- Least-Energy Path Planning With Building Accurate Power Consumption Model of Rotary Unmanned Aerial Vehicle. *Hong, D., +, TVT Dec. 2020 14803-14817*
- Modular Kinematic Modelling of Articulated Buses. *Michalek, M.M., +, TVT Aug. 2020 8381-8394*
- Optimal Time-Consuming Path Planning for Autonomous Underwater Vehicles Based on a Dynamic Neural Network Model in Ocean Current Environments. *Chen, M., +, TVT Dec. 2020 14401-14412*
- Path Tracking and Direct Yaw Moment Coordinated Control Based on Robust MPC With the Finite Time Horizon for Autonomous Independent-Drive Vehicles. *Peng, H., +, TVT June 2020 6053-6066*
- Rendezvous: Opportunistic Data Delivery to Mobile Users by UAVs Through Target Trajectory Prediction. *Yoon, J., +, TVT Feb. 2020 2230-2245*
- Robust and Autonomous Stereo Visual-Inertial Navigation for Non-Holonomic Mobile Robots. *Chae, H., +, TVT Sept. 2020 9613-9623*
- SEARCH: An SDN-Enabled Approach for Vehicle Path-Planning. *Oubbati, O.S., +, TVT Dec. 2020 14523-14536*
- Social-Aware UAV-Assisted Mobile Crowd Sensing in Stochastic and Dynamic Environments for Disaster Relief Networks. *Wang, B., +, TVT Jan. 2020 1070-1074*
- Stable Autonomous Robotic Wheelchair Navigation in the Environment With Slope Way. *Wang, C., +, TVT Oct. 2020 10759-10771*
- Vision-Based Race Track SLAM Based Only on Lane Curvature. *Suh, J., +, TVT Feb. 2020 1495-1504*

Patient monitoring

- Device-Free Multi-Person Respiration Monitoring Using WiFi. *Gao, Q., +, TVT Nov. 2020 14083-14087*
- Multi-Target Device-Free Wireless Sensing Based on Multiplexing Mechanisms. *Wang, J., +, TVT Sept. 2020 10242-10251*

Pattern classification

- A Novel Deep Learning and Polar Transformation Framework for an Adaptive Automatic Modulation Classification. *Ghasemzadeh, P., +, TVT Nov. 2020 13243-13258*
- Anomalous Trajectory Detection and Classification Based on Difference and Intersection Set Distance. *Wang, J., +, TVT March 2020 2487-2500*
- Automatic Modulation Classification for MIMO Systems via Deep Learning and Zero-Forcing Equalization. *Wang, Y., +, TVT May 2020 5688-5692*
- Deep Learning-Based Cooperative Automatic Modulation Classification Method for MIMO Systems. *Wang, Y., +, TVT April 2020 4575-4579*
- Error-Tolerant Computation for Voting Classifiers With Multiple Classes. *Liu, S., +, TVT Nov. 2020 13718-13727*
- Flight Delay Prediction Based on Aviation Big Data and Machine Learning. *Gui, G., +, TVT Jan. 2020 140-150*
- MagLand: Magnetic Landmarks for Road Vehicle Localization. *Cruz, S.B., +, TVT April 2020 3654-3667*
- Multi-Task Learning at the Mobile Edge: An Effective Way to Combine Traffic Classification and Prediction. *Rago, A., +, TVT Sept. 2020 10362-10374*
- Secure SVM Training Over Vertically-Partitioned Datasets Using Consortium Blockchain for Vehicular Social Networks. *Shen, M., +, TVT June 2020 5773-5783*
- Zero-to-Stable Driver Identification: A Non-Intrusive and Scalable Driver Identification Scheme. *Rahim, M.A., +, TVT Jan. 2020 163-171*

Pattern clustering

- A Framework of Multipath Clustering Based on Space-Transformed Fuzzy c -Means and Data Fusion for Radio Channel Modeling. *Huang, Z., +, TVT Jan. 2020 4-15*
- A New Block-Based Reinforcement Learning Approach for Distributed Resource Allocation in Clustered IoT Networks. *Hussain, F., +, TVT March 2020 2891-2904*
- Cellular Clustering-Based Interference-Aware Data Transmission Protocol for Underwater Acoustic Sensor Networks. *Zhang, J., +, TVT March 2020 3217-3230*
- Data-Driven Identification of Characteristic Real-Driving Cycles Based on k -Means Clustering and Mixed-Integer Optimization. *Forster, D., +, TVT March 2020 2398-2410*
- Data-Driven Interference Localization Using a Single Satellite Based on Received Signal Strength. *Shen, Z., +, TVT Aug. 2020 8657-8669*
- Early Recognition of Driving Intention for Lane Change Based on Recurrent Hidden Semi-Markov Model. *Liu, Q., +, TVT Oct. 2020 10545-10557*
- Enhancing Video Streaming in Vehicular Networks via Resource Slicing. *Khan, H., +, TVT April 2020 3513-3522*
- Extracting and Predicting Taxi Hotspots in Spatiotemporal Dimensions Using Conditional Generative Adversarial Neural Networks. *Yu, H., +, TVT April 2020 3680-3692*
- Extracting Human-Like Driving Behaviors From Expert Driver Data Using Deep Learning. *Sama, K., +, TVT Sept. 2020 9315-9329*
- FPGA Implementation of Real-Time Pedestrian Detection Using Normalization-Based Validation of Adaptive Features Clustering. *Li, T., +, TVT Sept. 2020 9330-9341*
- Novel Fuzzy and Game Theory Based Clustering and Decision Making for VANETs. *Alsarhan, A., +, TVT Feb. 2020 1568-1581*
- Personalized Vehicle Trajectory Prediction Based on Joint Time-Series Modeling for Connected Vehicles. *Xing, Y., +, TVT Feb. 2020 1341-1352*
- Spectral Efficiency Optimization and Interference Management for Multi-Hop D2D Communications in VANETs. *Yang, F., +, TVT June 2020 6422-6436*
- Traffic Differentiated Clustering Routing in DSRC and C-V2X Hybrid Vehicular Networks. *Qi, W., +, TVT July 2020 7723-7734*

Pattern matching

Joint Task Offloading and Payment Determination for Mobile Edge Computing: A Stable Matching Based Approach. *Wang, X., +, TVT Oct. 2020 12148-12161*

Pattern recognition

JRNet: Jamming Recognition Networks for Radar Compound Suppression Jamming Signals. *Qu, Q., +, TVT Dec. 2020 15035-15045*

Pedestrians

An Augmentation Function for Active Pedestrian Safety System Based on Crash Risk Evaluation. *Yue, L., +, TVT Nov. 2020 12459-12469*

Conditional Weighted Ensemble of Transferred Models for Camera Based Onboard Pedestrian Detection in Railway Driver Support Systems. *Toprak, T., +, TVT May 2020 5041-5054*

Enhancing Video Streaming in Vehicular Networks via Resource Slicing. *Khan, H., +, TVT April 2020 3513-3522*

FPGA Implementation of Real-Time Pedestrian Detection Using Normalization-Based Validation of Adaptive Features Clustering. *Li, T., +, TVT Sept. 2020 9330-9341*

Multi-Agent Deep Reinforcement Learning for Urban Traffic Light Control in Vehicular Networks. *Wu, T., +, TVT Aug. 2020 8243-8256*

On-Road Dynamic Pattern Projection Using an Active Mirror for Vehicle Warning Systems. *Han, D., +, TVT May 2020 4947-4956*

Vision-Based Personal Safety Messages (PSMs) Generation for Connected Vehicles. *Islam, M., +, TVT Sept. 2020 9402-9416*

Peer-to-peer computing

Computing and Relaying: Utilizing Mobile Edge Computing for P2P Communications. *Qin, M., +, TVT Feb. 2020 1582-1594*

DAGIoV: A Framework for Vehicle to Vehicle Communication Using Directed Acyclic Graph and Game Theory. *Hassija, V., +, TVT April 2020 4182-4191*

Deep Reinforcement Learning and Permissioned Blockchain for Content Caching in Vehicular Edge Computing and Networks. *Dai, Y., +, TVT April 2020 4312-4324*

Performance Analysis on Distributed Storage Systems in Ring Networks. *Qu, S., +, TVT July 2020 7762-7777*

Performance analysis

Corrections to "Energy-Efficient and Secure Air-to-Ground Communication With Jittering UAV". *Wu, H., +, TVT Sept. 2020 10397*

Performance Analysis of Terahertz Unmanned Aerial Vehicular Networks. *Wang, X., +, TVT Dec. 2020 16330-16335*

Performance evaluation

DEFT: Decentralized Multiuser Computation Offloading in a Fog-Enabled IoV Environment. *Deb, P.K., +, TVT Dec. 2020 15978-15987*

Reputation Based Attacker Identification Policy for Multi-Access Edge Computing in Internet of Things. *Sandal, Y.S., +, TVT Dec. 2020 15346-15356*

Performance gain

Reconfigurable Intelligent Surface (RIS)-Enhanced Two-Way OFDM Communications. *Pradhan, C., +, TVT Dec. 2020 16270-16275*

Permanent magnet machines

A Novel Dual-Permanent-Magnet-Excited Machine With Non-Uniformly Distributed Permanent-Magnets and Flux Modulation Poles on the Stator. *Xu, L., +, TVT July 2020 7104-7115*

Consequent Pole Permanent Magnet Machine With Modular Stator. *Wang, K., +, TVT July 2020 7054-7063*

Maximum Torque Per Ampere (MTPA) Control of IPMSM Systems Based on Controller Parameters Self-Modification. *Wang, H., +, TVT March 2020 2613-2620*

Mechanism Investigation of Ring Type Winding in Linear Permanent Magnet Vernier Machine for Improving Force Density. *Bian, F., +, TVT March 2020 2588-2597*

Mitigating the Torque Ripple in Electric Traction Using Proportional Integral Resonant Controller. *Chuan, H., +, TVT Oct. 2020 10820-10831*

Torque Improvement in Dual M-Phase Permanent-Magnet Machines by Phase Shift for Electric Ship Applications. *Sun, Y., +, TVT Sept. 2020 9601-9612*

Permanent magnet motors

A New Parallel-Hybrid-Excited Permanent-Magnet Machine With Harmonic-Differential Effect for Electric Vehicles. *Cao, L., +, TVT Nov. 2020 12734-12750*

A Single-Phase On-Board Two-Stage Integrated Battery Charger for EVs Based on a Five-Phase Hybrid-Excitation Flux-Switching Machine. *Tong, M., +, TVT April 2020 3793-3804*

A Variational Approach to MTPA Control of Induction Motor for EVs Range Optimization. *Ataianese, C., +, TVT July 2020 7014-7025*

Design and Optimization of a Novel Dual-PM Machine for Electric Vehicle Applications. *Lin, Q., +, TVT Dec. 2020 14391-14400*

Design and Testing of Low Pole Dual-Stator Flux-Switching Permanent Magnet Machine for Electric Vehicle Applications. *Liu, M., +, TVT Feb. 2020 1464-1472*

Design of an External-Rotor Direct Drive E-Bike Switched Reluctance Motor. *Howey, B., +, TVT March 2020 2552-2562*

Making the Case for Switched Reluctance Motors for Propulsion Applications. *Bilgin, B., +, TVT July 2020 7172-7186*

Speed Sensorless Control of SPMSM Drives for EVs With a Binary Search Algorithm-Based Phase-Locked Loop. *Sun, X., +, TVT May 2020 4968-4978*

Torque Ripple Minimization for Inter-Turn Short-Circuit Fault Based on Open-Winding Five Phase FTFSCW-IPM Motor for Electric Vehicle Application. *Fan, Y., +, TVT Jan. 2020 282-292*

Vibration Optimization of FSCW-IPM Motor Based on Iron-Core Modification for Electric Vehicles. *Wu, Z., +, TVT Dec. 2020 14834-14845*

Permanent magnets

Energy-Efficient Eco-Friendly Zero-Holding-Energy Magnetic Contactor for Industrial and Vehicular Applications. *Gabdullin, N., +, TVT May 2020 5000-5011*

Phase coding

Doppler Influence on Waveform Orthogonality in 79 GHz MIMO Phase-Coded Automotive Radar. *Overdevest, J., +, TVT Jan. 2020 16-25*

Phase-Coded FMCW Automotive Radar: System Design and Interference Mitigation. *Uysal, F., TVT Jan. 2020 270-281*

Phase locked loops

Speed Sensorless Control of SPMSM Drives for EVs With a Binary Search Algorithm-Based Phase-Locked Loop. *Sun, X., +, TVT May 2020 4968-4978*

Phase noise

Analysis of Self-Interference Cancellation Under Phase Noise, CFO, and IQ Imbalance in GFDM Full-Duplex Transceivers. *Mohammadian, A., +, TVT Jan. 2020 700-713*

Analysis of SVD-Based Hybrid Schemes for Massive MIMO With Phase Noise and Imperfect Channel Estimation. *Corvaja, R., +, TVT July 2020 7325-7338*

Bit Error Probability of MQAM in the Presence of Phase Noise. *Jafari, H., +, TVT Dec. 2020 14918-14931*

Error Probability of M-Phase Signaling With Phase Noise Over Fading Channels. *Silva, P.E.G., +, TVT June 2020 6766-6770*

Spatial Modulation for Terahertz Communication Systems With Hardware Impairments. *Mao, T., +, TVT April 2020 4553-4557*

Phase shift keying

Computationally Efficient Constructive Interference Precoding for PSK Modulations Under Per-Antenna Power Constraint. *Chen, C., TVT Aug. 2020 9206-9211*

Design and Analysis of Joint Source Channel Coding Schemes Over Non-Standard Coding Channels. *Chen, Q., +, TVT May 2020 5369-5380*

Energy Efficient Parallel Concatenated Index Modulation and M-ary PSK Aided OFDM-DCSK Communications With QoS Consideration. *Liu, Z., +, TVT Sept. 2020 9469-9482*

Error Probability of M-Phase Signaling With Phase Noise Over Fading Channels. *Silva, P.E.G., +, TVT June 2020 6766-6770*

Iterative Processing Structure for the Single-Channel Mixture of Digital-Modulated Adjacent-Frequency Source Signals. *Yang, Y., +, TVT Feb. 2020 1639-1650*

Performance Analysis of Coherent PLC With MPSK Signaling in Nakagami-m Noise Environment. *Dash, S.P., +, TVT March 2020 3057-3067*

- Smart Grid Network With D2D Communication and Coherent PLC: Error Analysis. *Dash, S.P.*, +, *TVT Jan. 2020 1051-1054*
- Phase shifters**
- Hybrid Beamforming/Combining for Millimeter Wave MIMO: A Machine Learning Approach. *Chen, J.*, +, *TVT Oct. 2020 11353-11368*
- Photodetectors**
- Multidimensional Multilayer Modulation for Broadcast UVLC With Photon Detectors. *Si-Ma, L.*, +, *TVT June 2020 6437-6451*
- Photovoltaic power systems**
- A Multifunctional Solar PV and Grid Based On-Board Converter for Electric Vehicles. *Singh, A.K.*, +, *TVT April 2020 3717-3727*
- Photovoltaic systems**
- Differential Power Processing Converter Enhancing Energy Yield of Curved Solar Roofs of Plug-In Hybrid Electric Vehicles. *Uno, M.*, +, *TVT Dec. 2020 14689-14700*
- Physical layer security**
- On The Secrecy Performance Over N-Wave With Diffuse Power Fading Channel. *Sanchez, J.D.V.*, +, *TVT Dec. 2020 15137-15148*
- Physical unclonable function**
- SecAuthUAV: A Novel Authentication Scheme for UAV-Ground Station and UAV-UAV Communication. *Alladi, T.*, +, *TVT Dec. 2020 15068-15077*
- PI control**
- An Adaptive Resilient Load Frequency Controller for Smart Grids With DoS Attacks. *Lu, K.*, +, *TVT May 2020 4689-4699*
- Joint Propulsion and Cooling Energy Management of Hybrid Electric Vehicles by Optimal Control. *Chen, B.*, +, *TVT May 2020 4894-4906*
- Mitigating the Torque Ripple in Electric Traction Using Proportional Integral Resonant Controller. *Chuan, H.*, +, *TVT Oct. 2020 10820-10831*
- Piezoelectric transducers**
- Design and Experimental Investigation of a Self-Tuning Piezoelectric Energy Harvesting System for Intelligent Vehicle Wheels. *Rui, X.*, +, *TVT Feb. 2020 1440-1451*
- Planar antenna arrays**
- Multi-Beam Multiplexing Design for Arbitrary Directions Based on the Interleaved Subarray Architecture. *Zhang, J.*, +, *TVT Oct. 2020 11220-11232*
- Planning**
- An Integrated Framework of Decision Making and Motion Planning for Autonomous Vehicles Considering Social Behaviors. *Hang, P.*, +, *TVT Dec. 2020 14458-14469*
- Optimal Time-Consuming Path Planning for Autonomous Underwater Vehicles Based on a Dynamic Neural Network Model in Ocean Current Environments. *Chen, M.*, +, *TVT Dec. 2020 14401-14412*
- Predictive Equivalent Consumption Minimization Strategy With Segmented Traffic Information. *Chen, D.*, +, *TVT Dec. 2020 14377-14390*
- SEARCH: An SDN-Enabled Approach for Vehicle Path-Planning. *Oubbati, O.S.*, +, *TVT Dec. 2020 14523-14536*
- Plasma sheaths**
- Short-Frame Fountain Code for Plasma Sheath With "Communication Windows". *Zhang, H.*, +, *TVT Dec. 2020 15569-15579*
- Plasmas**
- Short-Frame Fountain Code for Plasma Sheath With "Communication Windows". *Zhang, H.*, +, *TVT Dec. 2020 15569-15579*
- Plastic deformation**
- Dynamic Performance of High-Speed Railway Overhead Contact Line Interacting With Pantograph Considering Local Dropper Defect. *Song, Y.*, +, *TVT June 2020 5958-5967*
- Plates (structures)**
- E-Clutch Torque Control Including Compensation of Thermal Expansion Effects. *Skugor, B.*, +, *TVT Jan. 2020 246-257*
- Plug-in hybrid electric vehicles**
- Differential Power Processing Converter Enhancing Energy Yield of Curved Solar Roofs of Plug-In Hybrid Electric Vehicles. *Uno, M.*, +, *TVT Dec. 2020 14689-14700*
- Pneumodynamics**
- Device-Free Multi-Person Respiration Monitoring Using WiFi. *Gao, Q.*, +, *TVT Nov. 2020 14083-14087*
- Polar codes**
- An Efficient Software Stack Sphere Decoder for Polar Codes. *Zhou, H.*, +, *TVT Feb. 2020 1257-1266*
- Efficient Belief Propagation Polar Decoder With Loop Simplification Based Factor Graphs. *Ren, Y.*, +, *TVT May 2020 5657-5660*
- Efficient Sphere Polar Decoding via Synchronous Determination. *Zhou, H.*, +, *TVT June 2020 6777-6781*
- Fast Block Sequential Decoding of Polar Codes. *Trofimiuk, G.*, +, *TVT Oct. 2020 10988-10999*
- Large Kernel Polar Codes With Efficient Window Decoding. *Abbasi, F.*, +, *TVT Nov. 2020 14031-14036*
- Low-Latency Segmented List-Pruning Software Polar List Decoder. *Shen, Y.*, +, *TVT April 2020 3575-3589*
- Polar Codes for Fast Fading Channel: Design Based on Polar Spectrum. *Niu, K.*, +, *TVT Sept. 2020 10103-10114*
- Reduced-Complexity Low-Latency Logarithmic Successive Cancellation Stack Polar Decoding for 5G New Radio and Its Software Implementation. *Xiang, L.*, +, *TVT Nov. 2020 12449-12458*
- Soft List Decoding of Polar Codes. *Xiang, L.*, +, *TVT Nov. 2020 13921-13926*
- Sphere Constraint Based Enumeration Methods to Analyze the Minimum Weight Distribution of Polar Codes. *Piao, J.*, +, *TVT Oct. 2020 11557-11569*
- Stochastic Belief Propagation Polar Decoding With Efficient Re-Randomization. *Xu, M.*, +, *TVT June 2020 6771-6776*
- Poles and zeros**
- Variable-Performance Servo System Design Without Actuator Current and Angle Measurement for Rover Vehicles. *Kim, S.*, +, *TVT Nov. 2020 12725-12733*
- Pollution measurement**
- A Densely-Deployed, High Sampling Rate, Open-Source Air Pollution Monitoring WSN. *Montrucchio, B.*, +, *TVT Dec. 2020 15786-15799*
- Polygonals**
- An Efficient Decentralized Key Management Mechanism for VANET With Blockchain. *Ma, Z.*, +, *TVT June 2020 5836-5849*
- An Improved Mutual Inductance Electromagnetic Model for Inductive Power Transfer Systems Under Misalignment Conditions. *Oliveira, R.*, +, *TVT June 2020 6079-6093*
- Blind Fast CFO Estimation and Performance Analysis for OFDM. *Meng, Y.*, +, *TVT Oct. 2020 11501-11514*
- Polynomial Augmented Extended Kalman Filter to Estimate the State of Charge of Lithium-Ion Batteries. *Haus, B.*, +, *TVT Feb. 2020 1452-1463*
- Pose estimation**
- Bundle Adjustment for Monocular Visual Odometry Based on Detections of Traffic Signs. *Zhang, Y.*, +, *TVT Jan. 2020 151-162*
- Edge Computing-Based Collaborative Vehicles 3D Mapping in Real Time. *Wen, S.*, +, *TVT Nov. 2020 12470-12481*
- Robust and Autonomous Stereo Visual-Inertial Navigation for Non-Holonomic Mobile Robots. *Chae, H.*, +, *TVT Sept. 2020 9613-9623*
- Position control**
- A Mechatronic Brake Booster for Electric Vehicles: Design, Control, and Experiment. *Wu, J.*, +, *TVT July 2020 7040-7053*
- A Reinforcement Learning-Based Adaptive Path Tracking Approach for Autonomous Driving. *Shan, Y.*, +, *TVT Oct. 2020 10581-10595*
- Coordinated Control in the Presence of Actuator Saturation for Multiple High-Speed Trains in the Moving Block Signaling System Mode. *Bai, W.*, +, *TVT Aug. 2020 8054-8064*
- Fuel Minimization of the Electric Engine Cooling System With Active Grille Shutter by Iterative Quadratic Programming. *Feng, L.*, +, *TVT March 2020 2621-2635*
- IMU-Based Automated Vehicle Body Sideslip Angle and Attitude Estimation Aided by GNSS Using Parallel Adaptive Kalman Filters. *Xiong, L.*, +, *TVT Oct. 2020 10668-10680*
- Modular Kinematic Modelling of Articulated Buses. *Michalek, M.M.*, +, *TVT Aug. 2020 8381-8394*
- Neural Networks-Based Sliding Mode Fault-Tolerant Control for High-Speed Trains With Bounded Parameters and Actuator Faults. *Dong, H.*, +, *TVT Feb. 2020 1353-1362*

Prepositioning of a Land Vehicle Simulation-Based Motion Platform Using Fuzzy Logic and Neural Network. *Qazani, M.R.C.*, +, *TVT Oct. 2020 10446-10456*

Pseudo-3D Vision-Inertia Based Underwater Self-Localization for AUVs. *Wang, Y.*, +, *TVT July 2020 7895-7907*

Racecar Longitudinal Control in Unknown and Highly-Varying Driving Conditions. *Pedone, S.*, +, *TVT Nov. 2020 12521-12535*

Real-Time Perception and Positioning for Creature Picking of an Underwater Vehicle. *Cui, S.*, +, *TVT April 2020 3783-3792*

Required Lever Arm Accuracy of Non-Holonomic Constraint for Land Vehicle Navigation. *Zhang, Q.*, +, *TVT Aug. 2020 8305-8316*

Robust Time-Varying Formation Control for a Set of Quad-Copters With Switching Interaction Communication Topology. *Liu, H.*, +, *TVT July 2020 6880-6890*

Speed Profile Tracking by an Adaptive Controller for Subway Train Based on Neural Network and PID Algorithm. *Pu, Q.*, +, *TVT Oct. 2020 10656-10667*

Speed Sensorless Control of SPMSM Drives for EVs With a Binary Search Algorithm-Based Phase-Locked Loop. *Sun, X.*, +, *TVT May 2020 4968-4978*

Vision-Based Race Track SLAM Based Only on Lane Curvature. *Suh, J.*, +, *TVT Feb. 2020 1495-1504*

Position measurement

IMU-Based Automated Vehicle Body Sideslip Angle and Attitude Estimation Aided by GNSS Using Parallel Adaptive Kalman Filters. *Xiong, L.*, +, *TVT Oct. 2020 10668-10680*

Power amplifiers

Adaptive Deep Learning Aided Digital Predistorter Considering Dynamic Envelope. *Sun, J.*, +, *TVT April 2020 4487-4491*

Precoding Design and Power Control for SINR Maximization of MISO System With Nonlinear Power Amplifiers. *Jee, J.*, +, *TVT Nov. 2020 14019-14024*

Spatial Modulation for Terahertz Communication Systems With Hardware Impairments. *Mao, T.*, +, *TVT April 2020 4553-4557*

Power aware computing

Computation-Efficient Offloading and Trajectory Scheduling for Multi-UAV Assisted Mobile Edge Computing. *Zhang, J.*, +, *TVT Feb. 2020 2114-2125*

Dynamic Network Slicing and Resource Allocation in Mobile Edge Computing Systems. *Feng, J.*, +, *TVT July 2020 7863-7878*

Hierarchical Offloading for Delay-Constrained Applications in Fog RAN. *Guo, K.*, +, *TVT April 2020 4257-4270*

Latency Minimization for D2D-Enabled Partial Computation Offloading in Mobile Edge Computing. *Saleem, U.*, +, *TVT April 2020 4472-4486*

NOMA-Assisted On-Demand Transmissions for Monitoring Applications in Industrial IoT Networks. *Lyu, L.*, +, *TVT Oct. 2020 12264-12276*

Power cables

On-Road Dynamic Pattern Projection Using an Active Mirror for Vehicle Warning Systems. *Han, D.*, +, *TVT May 2020 4947-4956*

Power capacitors

Current and Voltage Harmonics in the Powertrain of Electric Vehicles. *Sagert, C.*, +, *TVT Oct. 2020 10736-10749*

Vibration Optimization of FSCW-IPM Motor Based on Iron-Core Modification for Electric Vehicles. *Wu, Z.*, +, *TVT Dec. 2020 14834-14845*

Power consumption

Energy-Efficient Design of IRS-NOMA Networks. *Fang, F.*, +, *TVT Nov. 2020 14088-14092*

Energy-Efficient Power Allocation and Q-Learning-Based Relay Selection for Relay-Aided D2D Communication. *Wang, X.*, +, *TVT June 2020 6452-6462*

Energy-Efficient Resource Allocation for High-Rate Underlay D2D Communications With Statistical CSI: A One-to-Many Strategy. *Li, R.*, +, *TVT April 2020 4006-4018*

Energy-Efficient Speed Control of Electric Vehicles: Linear Matrix Inequality Approach. *Veysi, M.*, +, *TVT Oct. 2020 10469-10483*

Fast Beam Training Architecture for Hybrid mmWave Transceivers. *Yang, J.*, +, *TVT March 2020 2700-2715*

Hybrid Analog-Digital Beamforming Design for SE and EE Maximization in Massive MIMO Networks. *Ardah, K.*, +, *TVT Jan. 2020 377-389*

Hybrid Combining Based on Constant Phase Shifters and Active/Inactive Switches. *Bahingayi, E.E.*, +, *TVT April 2020 4058-4068*

Named Data Networking Enabled Power Saving Mode Design for WLAN. *Wu, F.*, +, *TVT Jan. 2020 901-913*

Optimal Power Allocation in Cooperative Networks With Energy-Saving Protocols. *Ojo, F.K.*, +, *TVT May 2020 5079-5088*

Remote Radio Head Activation and User Association in Dense C-RANs. *Wu, Z.*, +, *TVT Oct. 2020 12216-12228*

Research on Cost-Balanced Mobile Energy Replenishment Strategy for Wireless Rechargeable Sensor Networks. *Sha, C.*, +, *TVT March 2020 3135-3150*

Throughput Maximization With Rate-Dependent Power Consumption in Battery-Limited Multiuser Networks. *Zhao, J.*, +, *TVT Jan. 2020 1141-1146*

UAV-Enabled Wireless Power Transfer With Base Station Charging and UAV Power Consumption. *Yan, H.*, +, *TVT Nov. 2020 12883-12896*

Power control

A Fully Distributed and Clustered Learning of Power Control in User-Centric Ultra-Dense HetNets. *Makhanbet, M.*, +, *TVT Oct. 2020 11529-11543*

A Joint Scheduling and Power Control Scheme for Hybrid I2V/V2V Networks. *Nguyen, B.L.*, +, *TVT Dec. 2020 15668-15681*

Completion Time Minimization for Turning Angle-Constrained UAV-to-UAV Communications. *Wang, H.*, +, *TVT April 2020 4569-4574*

Cooperative Scheduling for Pilot Reuse in Massive MIMO Systems. *Hua, Y.*, +, *TVT Nov. 2020 12857-12869*

Deep Learning Based Power Allocation for Workload Driven Full-Duplex D2D-Aided Underlying Networks. *Du, C.*, +, *TVT Dec. 2020 15880-15892*

Deep Reinforcement Learning-Based Resource Allocation and Power Control in Small Cells With Limited Information Exchange. *Jang, J.*, +, *TVT Nov. 2020 13768-13783*

Downlink Transmit Power Control in Ultra-Dense UAV Network Based on Mean Field Game and Deep Reinforcement Learning. *Li, L.*, +, *TVT Dec. 2020 15594-15605*

Efficient Resource Allocation and Power Control for LTE-A D2D Communication With Pure D2D Model. *Lai, W.*, +, *TVT March 2020 3202-3216*

Energy and Delay Optimization for Cache-Enabled Dense Small Cell Networks. *Wu, H.*, +, *TVT July 2020 7663-7678*

Energy-Spectral Efficiency Optimization in Vehicular Communications: Joint Clustering and Pricing-Based Robust Power Control Approach. *Xie, Y.*, +, *TVT Nov. 2020 13673-13685*

Joint Frequency and Power Control for Self-Organizing OFDMA Femtocell Networks. *Sevim, O.*, +, *TVT May 2020 5089-5101*

Joint Mode Selection and Power Control for Interference Management in D2D-Enabled Heterogeneous Cellular Networks. *Liu, X.*, +, *TVT Sept. 2020 9707-9719*

Joint Sparse Beamforming and Power Control for a Large-Scale DAS With Network-Assisted Full Duplex. *Xia, X.*, +, *TVT July 2020 7569-7582*

Joint Unmanned Aerial Vehicle (UAV) Deployment and Power Control for Internet of Things Networks. *Fu, S.*, +, *TVT April 2020 4367-4378*

Max-Min QoS Power Control in Generalized Cell-Free Massive MIMO-NOMA With Optimal Backhaul Combining. *Nguyen, T.K.*, +, *TVT Oct. 2020 10949-10964*

Multiobjective Beamforming Power Control for Robust SINR Target Tracking and Power Efficiency in Multicell MU-MIMO Wireless System. *Chen, W.*, +, *TVT June 2020 6200-6214*

Network Slicing Enabled Resource Management for Service-Oriented Ultra-Reliable and Low-Latency Vehicular Networks. *Chen, Y.*, +, *TVT July 2020 7847-7862*

NOMA-Assisted On-Demand Transmissions for Monitoring Applications in Industrial IoT Networks. *Lyu, L.*, +, *TVT Oct. 2020 12264-12276*

On the Performance of LTE/Wi-Fi Dual-Mode Uplink Transmission: Connection Probability Versus Energy Efficiency. *Zhang, J.*, +, *TVT Oct. 2020 11152-11168*

Pairing Distance Resolution and Power Control for Massive Connectivity Improvement in NOMA Systems. *Mounchili, S.*, +, *TVT April 2020 4093-4103*

- Pilot Assignment and Power Allocation for Multipair Massive MIMO DF Relaying Networks. *Ho, C.D.*, +, *TVT July 2020 7379-7388*
- Power Allocation for D2D Communications Using Max-Min Message-Passing Algorithm. *Rashed, S.K.*, +, *TVT Aug. 2020 8443-8458*
- Precoding Design and Power Control for SINR Maximization of MISO System With Nonlinear Power Amplifiers. *Jee, J.*, +, *TVT Nov. 2020 14019-14024*
- Rate Maximization for Hybrid Access Femtocell Networks With Outage Constraints Based on Pricing Incentive Mechanism. *Liu, Z.*, +, *TVT June 2020 6699-6708*
- Short-Term Power Constrained Cell-Free Massive-MIMO Over Spatially Correlated Ricean Fading. *Femenias, G.*, +, *TVT Dec. 2020 15200-15215*
- Spatial Group Based Optimal Uplink Power Control for Random Access in Satellite Networks. *Zhao, B.*, +, *TVT July 2020 7354-7365*
- Spectral Efficiency Optimization for Next Generation NOMA-Enabled IoT Networks. *Khan, W.U.*, +, *TVT Dec. 2020 15284-15297*
- Throughput Analysis of Low-Latency IoT Systems With QoS Constraints and Finite Blocklength Codes. *Hu, Y.*, +, *TVT March 2020 3093-3104*
- Tradeoff Between Ergodic Energy Efficiency and Spectral Efficiency in D2D Communications Under Rician Fading Channel. *Mili, M.R.*, +, *TVT Sept. 2020 9750-9766*
- UAV-Enabled Uplink Non-Orthogonal Multiple Access System: Joint Deployment and Power Control. *Lu, J.*, +, *TVT Sept. 2020 10090-10102*
- Uplink NOMA Random Access Systems With Space-Time Line Code. *Seo, J.*, +, *TVT April 2020 4522-4526*
- Uplink Performance Analysis for Millimeter Wave Cellular Networks With Clustered Users. *Muhammad, N.A.*, +, *TVT June 2020 6178-6188*
- Uplink Performance Improvement for Downlink-Uplink Decoupled HetNets With Non-Uniform User Distribution. *Sun, K.*, +, *TVT July 2020 7518-7530*
- User Access and Resource Allocation in Full-Duplex User-Centric Ultra-Dense Networks. *Zhang, G.*, +, *TVT Oct. 2020 12015-12030*
- Power conversion harmonics**
- Suppression Method of Current Harmonic for Three-Phase PWM Rectifier in EV Charging System. *Song, T.*, +, *TVT Sept. 2020 9634-9642*
- Power converters**
- A Comprehensive Analysis for High-Power Density, High-Efficiency 60 kW Interleaved Boost Converter Design for Electrified Powertrains. *Guo, J.*, +, *TVT July 2020 7131-7145*
- A Switched Reluctance Motor Torque Ripple Reduction Strategy With Deadbeat Current Control and Active Thermal Management. *Zhang, X.*, +, *TVT Jan. 2020 317-327*
- Automotive Battery Equalizers Based on Joint Switched-Capacitor and Buck-Boost Converters. *Liu, K.*, +, *TVT Nov. 2020 12716-12724*
- Power demand**
- Fuzzy Model Based Control for Energy Management and Optimization in Fuel Cell Vehicles. *Shen, D.*, +, *TVT Dec. 2020 14674-14688*
- Least-Energy Path Planning With Building Accurate Power Consumption Model of Rotary Unmanned Aerial Vehicle. *Hong, D.*, +, *TVT Dec. 2020 14803-14817*
- Power distribution control**
- An ANFIS-Based ECMS for Energy Optimization of Parallel Hybrid Electric Bus. *Tian, X.*, +, *TVT Feb. 2020 1473-1483*
- Demand-Aware Provisioning of Electric Vehicles Fast Charging Infrastructure. *Kabir, M.E.*, +, *TVT July 2020 6952-6963*
- Optimal Allocation of Inverter-Based WTGS Complying With Their DSTATCOM Functionality and PEV Requirements. *Ali, A.*, +, *TVT May 2020 4763-4772*
- Power distribution economics**
- Toward Future Green Maritime Transportation: An Overview of Seaport Microgrids and All-Electric Ships. *Fang, S.*, +, *TVT Jan. 2020 207-219*
- Power distribution planning**
- Optimal Allocation of Inverter-Based WTGS Complying With Their DSTATCOM Functionality and PEV Requirements. *Ali, A.*, +, *TVT May 2020 4763-4772*
- Power dividers**
- Compact Filtering Patch Antenna Arrays for Marine Communications. *Liu, G.*, +, *TVT Oct. 2020 11408-11418*
- Wideband Dual Circularly Polarized Antenna for Intelligent Transport Systems. *Wen, L.*, +, *TVT May 2020 5193-5202*
- Power electronics**
- A Multifunctional Solar PV and Grid Based On-Board Converter for Electric Vehicles. *Singh, A.K.*, +, *TVT April 2020 3717-3727*
- Current and Voltage Harmonics in the Powertrain of Electric Vehicles. *Sagert, C.*, +, *TVT Oct. 2020 10736-10749*
- The Fabric ICT Platform for Managing Wireless Dynamic Charging Road Lanes. *Cirimele, V.*, +, *TVT March 2020 2501-2512*
- Power engineering computing**
- A Bayesian Game Based Vehicle-to-Vehicle Electricity Trading Scheme for Blockchain-Enabled Internet of Vehicles. *Xia, S.*, +, *TVT July 2020 6856-6868*
- A Collaborative Gaussian Process Regression Model for Transfer Learning of Capacity Trends Between Li-Ion Battery Cells. *Chehade, A.A.*, +, *TVT Sept. 2020 9542-9552*
- A Privacy-Preserving Secure Framework for Electric Vehicles in IoT Using Matching Market and Signcryption. *Kumar, G.*, +, *TVT July 2020 7707-7722*
- An Adaptive Resilient Load Frequency Controller for Smart Grids With DoS Attacks. *Lu, K.*, +, *TVT May 2020 4689-4699*
- An IoT and Edge Computing Based Framework for Charge Scheduling and EV Selection in V2G Systems. *Chamola, V.*, +, *TVT Oct. 2020 10569-10580*
- Autonomous PEV Charging Scheduling Using Dyna-Q Reinforcement Learning. *Wang, F.*, +, *TVT Nov. 2020 12609-12620*
- Cross-Type Transfer for Deep Reinforcement Learning Based Hybrid Electric Vehicle Energy Management. *Lian, R.*, +, *TVT Aug. 2020 8367-8380*
- Forecasts of Electric Vehicle Energy Consumption Based on Characteristic Speed Profiles and Real-Time Traffic Data. *Morlock, F.*, +, *TVT Feb. 2020 1404-1418*
- Learning-Based Joint Optimization of Transmit Power and Harvesting Time in Wireless-Powered Networks With Co-Channel Interference. *Lee, K.*, +, *TVT March 2020 3500-3504*
- State-of-Health Estimation and Remaining-Useful-Life Prediction for Lithium-Ion Battery Using a Hybrid Data-Driven Method. *Gou, B.*, +, *TVT Oct. 2020 10854-10867*
- The Fabric ICT Platform for Managing Wireless Dynamic Charging Road Lanes. *Cirimele, V.*, +, *TVT March 2020 2501-2512*
- Power factor**
- Design of an External-Rotor Direct Drive E-Bike Switched Reluctance Motor. *Howey, B.*, +, *TVT March 2020 2552-2562*
- Power factor correction**
- A Reconfigurable On-Board Power Converter for Electric Vehicle With Reduced Switch Count. *Meher, S.R.*, +, *TVT April 2020 3760-3772*
- Interleaved Isolated Single-Phase PFC Converter Module for Three-Phase EV Charger. *Choi, S.*, +, *TVT May 2020 4957-4967*
- Power filters**
- Current and Voltage Harmonics in the Powertrain of Electric Vehicles. *Sagert, C.*, +, *TVT Oct. 2020 10736-10749*
- Planning of the DC System Considering Restrictions on the Small-Signal Stability of EV Charging Stations and Comparison Between Series and Parallel Connections. *Fu, Q.*, +, *TVT Oct. 2020 10724-10735*
- Power generation control**
- An Adaptive Resilient Load Frequency Controller for Smart Grids With DoS Attacks. *Lu, K.*, +, *TVT May 2020 4689-4699*
- Optimal Allocation of Inverter-Based WTGS Complying With Their DSTATCOM Functionality and PEV Requirements. *Ali, A.*, +, *TVT May 2020 4763-4772*
- Power generation economics**
- Joint Route Selection and Charging Discharging Scheduling of EVs in V2G Energy Network. *Liu, P.*, +, *TVT Oct. 2020 10630-10641*
- Power generation planning**
- Optimal Allocation of Inverter-Based WTGS Complying With Their DSTATCOM Functionality and PEV Requirements. *Ali, A.*, +, *TVT May 2020 4763-4772*

Power generation scheduling

An IoT and Edge Computing Based Framework for Charge Scheduling and EV Selection in V2G Systems. *Chamola, V.*, +, *TVT Oct. 2020 10569-10580*

Joint Route Selection and Charging Discharging Scheduling of EVs in V2G Energy Network. *Liu, P.*, +, *TVT Oct. 2020 10630-10641*

Power grids

A Blockchain-Based Framework for Lightweight Data Sharing and Energy Trading in V2G Network. *Hassija, V.*, +, *TVT June 2020 5799-5812*

A Multifunctional Solar PV and Grid Based On-Board Converter for Electric Vehicles. *Singh, A.K.*, +, *TVT April 2020 3717-3727*

An Adaptive Resilient Load Frequency Controller for Smart Grids With DoS Attacks. *Lu, K.*, +, *TVT May 2020 4689-4699*

Coordinated Charging Control of Electric Vehicles While Improving Power Quality in Power Grids Using a Hierarchical Decision-Making Approach. *Zahedmanesh, A.*, +, *TVT Nov. 2020 12585-12596*

Demand-Aware Provisioning of Electric Vehicles Fast Charging Infrastructure. *Kabir, M.E.*, +, *TVT July 2020 6952-6963*

Impact of Railway Energy Efficiency on the Primary Distribution Power Grid. *Botte, M.*, +, *TVT Dec. 2020 14131-14140*

Joint Route Selection and Charging Discharging Scheduling of EVs in V2G Energy Network. *Liu, P.*, +, *TVT Oct. 2020 10630-10641*

Multi-Layer Event-Based Vehicle-to-Grid (V2G) Scheduling With Short Term Predictive Capability Within a Modular Aggregator Control Structure. *Krueger, H.*, +, *TVT May 2020 4727-4739*

Optimal Allocation of Inverter-Based WTGS Complying With Their DSTATCOM Functionality and PEV Requirements. *Ali, A.*, +, *TVT May 2020 4763-4772*

Optimisation of a Catenary-Free Tramline Equipped With Stationary Energy Storage Systems. *Wei, S.*, +, *TVT March 2020 2449-2462*

Suppression Method of Current Harmonic for Three-Phase PWM Rectifier in EV Charging System. *Song, T.*, +, *TVT Sept. 2020 9634-9642*

Towards Efficient Battery Swapping Service Operation Under Battery Heterogeneity. *Zhang, X.*, +, *TVT June 2020 6107-6118*

Power harmonic filters

An IoT and Edge Computing Based Framework for Charge Scheduling and EV Selection in V2G Systems. *Chamola, V.*, +, *TVT Oct. 2020 10569-10580*

Power inductors

A Comprehensive Analysis for High-Power Density, High-Efficiency 60 kW Interleaved Boost Converter Design for Electrified Powertrains. *Guo, J.*, +, *TVT July 2020 7131-7145*

Power markets

A Bayesian Game Based Vehicle-to-Vehicle Electricity Trading Scheme for Blockchain-Enabled Internet of Vehicles. *Xia, S.*, +, *TVT July 2020 6856-6868*

Non-Cooperative and Cooperative Optimization of Scheduling With Vehicle-to-Grid Regulation Services. *Chen, X.*, +, *TVT Jan. 2020 114-130*

Optimal Service Pricing and Charging Scheduling of an Electric Vehicle Sharing System. *Xie, R.*, +, *TVT Jan. 2020 78-89*

Power measurement

Crowd Estimation Using Electromagnetic Wave Power-Level Measurements: A Proof of Concept. *Tofigh, F.*, +, *TVT Jan. 2020 784-792*

Incentive Mechanism for Cooperative Localization in Wireless Networks. *Zhu, Y.*, +, *TVT Dec. 2020 15920-15932*

Least-Energy Path Planning With Building Accurate Power Consumption Model of Rotary Unmanned Aerial Vehicle. *Hong, D.*, +, *TVT Dec. 2020 14803-14817*

Power MOSFET

A Comprehensive Analysis for High-Power Density, High-Efficiency 60 kW Interleaved Boost Converter Design for Electrified Powertrains. *Guo, J.*, +, *TVT July 2020 7131-7145*

Power overhead lines

Dynamic Performance of High-Speed Railway Overhead Contact Line Interacting With Pantograph Considering Local Dropper Defect. *Song, Y.*, +, *TVT June 2020 5958-5967*

Power quality

A Co-Phase Traction Power Supply System Based on Asymmetric Three-Leg Hybrid Power Quality Conditioner. *Liu, L.*, +, *TVT Dec. 2020 14645-14656*

Power supply quality

Coordinated Charging Control of Electric Vehicles While Improving Power Quality in Power Grids Using a Hierarchical Decision-Making Approach. *Zahedmanesh, A.*, +, *TVT Nov. 2020 12585-12596*

Sinusoidal-Ripple Current Control in Battery Charger of Electric Vehicles. *Bayati, M.*, +, *TVT July 2020 7201-7210*

Power system control

An Adaptive Resilient Load Frequency Controller for Smart Grids With DoS Attacks. *Lu, K.*, +, *TVT May 2020 4689-4699*

Power system harmonics

Consequent Pole Permanent Magnet Machine With Modular Stator. *Wang, K.*, +, *TVT July 2020 7054-7063*

Current and Voltage Harmonics in the Powertrain of Electric Vehicles. *Sagert, C.*, +, *TVT Oct. 2020 10736-10749*

Design and Testing of Low Pole Dual-Stator Flux-Switching Permanent Magnet Machine for Electric Vehicle Applications. *Liu, M.*, +, *TVT Feb. 2020 1464-1472*

Mitigating the Torque Ripple in Electric Traction Using Proportional Integral Resonant Controller. *Chuan, H.*, +, *TVT Oct. 2020 10820-10831*

Power system interconnection

An Adaptive Resilient Load Frequency Controller for Smart Grids With DoS Attacks. *Lu, K.*, +, *TVT May 2020 4689-4699*

Power system planning

Planning of the DC System Considering Restrictions on the Small-Signal Stability of EV Charging Stations and Comparison Between Series and Parallel Connections. *Fu, Q.*, +, *TVT Oct. 2020 10724-10735*

Power system relaying

A Bandit Approach for Mode Selection in Ambient Backscatter-Assisted Wireless-Powered Relaying. *Li, G.*, +, *TVT Aug. 2020 9190-9195*

Wireless Power Transfer Based Adaptive Relaying With Energy Accumulation. *Zhai, C.*, +, *TVT Oct. 2020 11014-11027*

Power system reliability

A Bayesian Game Based Vehicle-to-Vehicle Electricity Trading Scheme for Blockchain-Enabled Internet of Vehicles. *Xia, S.*, +, *TVT July 2020 6856-6868*

Detection Performance to Spatially Random UAV Using the Ground Vehicle. *Wang, K.*, +, *TVT Dec. 2020 16320-16324*

Hybrid Multicast/Unicast Design in NOMA-Based Vehicular Caching System. *Pei, X.*, +, *TVT Dec. 2020 16304-16308*

Outage Performance of CDF-Based Scheduling in Downlink and Uplink NOMA Systems. *Lu, H.*, +, *TVT Dec. 2020 14945-14959*

Reducing the Mutual Outage Probability of Cooperative Non-Orthogonal Multiple Access. *Riaz, S.*, +, *TVT Dec. 2020 16207-16212*

Power system security

A Bayesian Game Based Vehicle-to-Vehicle Electricity Trading Scheme for Blockchain-Enabled Internet of Vehicles. *Xia, S.*, +, *TVT July 2020 6856-6868*

An Adaptive Resilient Load Frequency Controller for Smart Grids With DoS Attacks. *Lu, K.*, +, *TVT May 2020 4689-4699*

Power system simulation

An ANFIS-Based ECMS for Energy Optimization of Parallel Hybrid Electric Bus. *Tian, X.*, +, *TVT Feb. 2020 1473-1483*

Demand-Aware Provisioning of Electric Vehicles Fast Charging Infrastructure. *Kabir, M.E.*, +, *TVT July 2020 6952-6963*

Energy-Efficient Speed Control of Electric Vehicles: Linear Matrix Inequality Approach. *Veysi, M.*, +, *TVT Oct. 2020 10469-10483*

Power system stability

An IoT and Edge Computing Based Framework for Charge Scheduling and EV Selection in V2G Systems. *Chamola, V.*, +, *TVT Oct. 2020 10569-10580*

Demand-Aware Provisioning of Electric Vehicles Fast Charging Infrastructure. *Kabir, M.E.*, +, *TVT July 2020 6952-6963*

Impact of Railway Energy Efficiency on the Primary Distribution Power Grid. *Botte, M.*, +, *TVT Dec. 2020 14131-14140*

Planning of the DC System Considering Restrictions on the Small-Signal Stability of EV Charging Stations and Comparison Between Series and Parallel Connections. *Fu, Q., +, TVT Oct. 2020 10724-10735*

Power transformers

LLC Resonant Converter With Damping Split Inductor Improving Light-Load Regulation Ability. *Jing, H., +, TVT Feb. 2020 1428-1439*

Mutual Inductance and Load Identification Method for Inductively Coupled Power Transfer System Based on Auxiliary Inverter. *Sheng, X., +, TVT Feb. 2020 1533-1541*

Power transmission (mechanical)

A Comprehensive Analysis for High-Power Density, High-Efficiency 60 kW Interleaved Boost Converter Design for Electrified Powertrains. *Guo, J., +, TVT July 2020 7131-7145*

A New Energy Management Strategy for Multimode Power-Split Hybrid Electric Vehicles. *Buccoliero, G., +, TVT Jan. 2020 172-181*

A Robust Traction Control Platform for AWD Vehicles With AWD TMU and eLSD. *Guo, Q., TVT Aug. 2020 8395-8406*

A Variational Approach to MTPA Control of Induction Motor for EVs Range Optimization. *Ataianese, C., +, TVT July 2020 7014-7025*

Adaptive Feed-Forward Control of the Clutch Filling Phase for Wet Dual Clutch Transmission. *Jung, S., +, TVT Sept. 2020 9577-9588*

Aging-Aware Optimal Energy Management Control for a Parallel Hybrid Vehicle Based on Electrochemical-Degradation Dynamics. *De Pascali, L., +, TVT Oct. 2020 10868-10878*

An Analysis of the Tradeoff Between Fuel Consumption and Ride Comfort for the Pulse and Glide Driving Strategy. *Sohn, C., +, TVT July 2020 7223-7233*

Capturing the Impact of Speed, Grade, and Traffic on Class 8 Truck Platooning. *Taylor, A.H., +, TVT Oct. 2020 10506-10518*

Comparison of Anti-Jerk Controllers for Electric Vehicles With On-Board Motors. *Scamacio, A., +, TVT Oct. 2020 10681-10699*

Connected Vehicle Based Distributed Meta-Learning for Online Adaptive Engine/Powertrain Fuel Consumption Modeling. *Ma, X., +, TVT Sept. 2020 9553-9565*

Coordinate Receding Horizon Control for the Power-Shift Process of Multi-speed Electric Vehicles. *Liu, Q., +, TVT Jan. 2020 1055-1059*

Current and Voltage Harmonics in the Powertrain of Electric Vehicles. *Sagert, C., +, TVT Oct. 2020 10736-10749*

Data-Driven Identification of Characteristic Real-Driving Cycles Based on k-Means Clustering and Mixed-Integer Optimization. *Forster, D., +, TVT March 2020 2398-2410*

Design and Modeling of Energy Efficient Dual Clutch Transmission With Ball-Ramp Self-Energizing Mechanism. *Kim, D., +, TVT March 2020 2525-2536*

Designing Multi-Mode Power Split Hybrid Electric Vehicles Using the Hierarchical Topological Graph Theory. *Pei, H., +, TVT July 2020 7159-7171*

E-Clutch Torque Control Including Compensation of Thermal Expansion Effects. *Skugor, B., +, TVT Jan. 2020 246-257*

Efficient Mode Transition Control for Parallel Hybrid Electric Vehicle With Adaptive Dual-Loop Control Framework. *Yang, C., +, TVT Feb. 2020 1519-1532*

Electric Vehicle Powertrain and Fuzzy Control Multi-Objective Optimization, Considering Dual Hybrid Energy Storage Systems. *Eckert, J.J., +, TVT April 2020 3773-3782*

Estimation of Transmission Input&Output Shaft Torque and Drive Wheel Speed for Compound Power Split Powertrain Based on Unknown Input Observer. *Li, M., +, TVT May 2020 4883-4893*

Forecasts of Electric Vehicle Energy Consumption Based on Characteristic Speed Profiles and Real-Time Traffic Data. *Morlock, F., +, TVT Feb. 2020 1404-1418*

Improving the Fuel Efficiency of Compact Wheel Loader With a Series Hydraulic Hybrid Powertrain. *Wen, Q., +, TVT Oct. 2020 10700-10709*

Joint Propulsion and Cooling Energy Management of Hybrid Electric Vehicles by Optimal Control. *Chen, B., +, TVT May 2020 4894-4906*

Mixed-Integer Optimal Design and Energy Management of Hybrid Electric Vehicles With Automated Manual Transmissions. *Yu, H., +, TVT Nov. 2020 12705-12715*

Modelling and Vibration Analysis of a Parallel Hydraulic Hybrid Vehicle. *Zhou, S., +, TVT Oct. 2020 10710-10723*

Real-Time Model Predictive Powertrain Control for a Connected Plug-In Hybrid Electric Vehicle. *Oncken, J., +, TVT Aug. 2020 8420-8432*

Short-Term Optimal Energy Management of Power-Split Hybrid Electric Vehicles Under Velocity Tracking Control. *Zhang, J., +, TVT Jan. 2020 182-193*

Supervised Parameter Estimation for Road Vehicles, Mitigating Powertrain Induced Uncertainty. *Wragge-Morley, R., +, TVT July 2020 7000-7013*

Power transmission lines

On-Road Dynamic Pattern Projection Using an Active Mirror for Vehicle Warning Systems. *Han, D., +, TVT May 2020 4947-4956*

PPP calculations

Design of a Superposition Coding PPM-DCSK System for Downlink Multi-User Transmission. *Ma, H., +, TVT Feb. 2020 1666-1678*

Precoding

A Deep Learning Framework for Hybrid Beamforming Without Instantaneous CSI Feedback. *Elbir, A.M., TVT Oct. 2020 11743-11755*

A Precoding Aided Space Domain Index Modulation Scheme for Downlink Multiuser MIMO Systems. *Souto, N., +, TVT Oct. 2020 12333-12337*

Adaptive Perturbation-Aided Opportunistic Hybrid Beamforming for mmWave Systems. *Van Le, T., +, TVT June 2020 6554-6562*

An Anti-Eavesdropping Strategy for Precoding-Aided Spatial Modulation With Rough CSI of Eve. *Xia, G., +, TVT Feb. 2020 2343-2347*

Analysis of SVD-Based Hybrid Schemes for Massive MIMO With Phase Noise and Imperfect Channel Estimation. *Corvaja, R., +, TVT July 2020 7325-7338*

Antenna Selection for Improving Energy Efficiency in XL-MIMO Systems. *Marinello, J.C., +, TVT Nov. 2020 13305-13318*

Approximate Gram-Matrix Interpolation for Wideband Massive MU-MIMO Systems. *Jeon, C., +, TVT May 2020 4677-4688*

Attractor Selection Based Limited Feedback Hybrid Precoding for Uplink V2I Communications. *Ye, J., +, TVT April 2020 3943-3953*

Channel Estimation and Hybrid Precoding for Distributed Phased Arrays Based MIMO Wireless Communications. *Zhang, Y., +, TVT Nov. 2020 12921-12937*

Cloud and Edge Multicast Beamforming for Cache-Enabled Ultra-Dense Networks. *Huang, W., +, TVT March 2020 3481-3485*

Computationally Efficient Constructive Interference Precoding for PSK Modulations Under Per-Antenna Power Constraint. *Chen, C., TVT Aug. 2020 9206-9211*

Deep Artificial Noise: Deep Learning-Based Precoding Optimization for Artificial Noise Scheme. *Yun, S., +, TVT March 2020 3465-3469*

Delayed Bit Interleaved Coded Sparse Code Multiple Access. *Mheich, Z., +, TVT July 2020 8018-8022*

Double Space-Time Line Codes. *Joung, J., +, TVT Feb. 2020 2316-2321*

Efficient Low-Complexity Antenna Selection Algorithms in Multi-User Massive MIMO Systems With Matched Filter Precoding. *Abdullah, Z., +, TVT March 2020 2993-3007*

Energy-Efficient Massive MIMO With Decentralized Precoder Design. *Zhang, S., +, TVT Dec. 2020 15370-15384*

Federated Learning Assisted Multi-UAV Networks. *Zhang, H., +, TVT Nov. 2020 14104-14109*

Generalized Space Domain Index Modulation for mmWave Distributed Antenna Systems. *Luo, S., +, TVT Nov. 2020 14067-14071*

Hybrid Beamforming for mmWave Massive MIMO Systems Employing DFT-Assisted User Clustering. *Soleimani, M., +, TVT Oct. 2020 11646-11658*

Hybrid Beamforming With Variable RF Attenuator for Multi-User mmWave Systems. *Lee, J., +, TVT Aug. 2020 9131-9134*

Hybrid Precoder Design With Minimum-Subspace-Distortion Quantization in Multiuser mmWave Communications. *Ni, Z., +, TVT Oct. 2020 11055-11065*

Hybrid Precoding for Multiuser Millimeter Wave Massive MIMO Systems: A Deep Learning Approach. *Elbir, A.M., +, TVT Jan. 2020 552-563*

Inside-Out Precoding to Manage Multiple Interferences From the Same Source. *Li, Z., +, TVT July 2020 7583-7595*

- Intelligent Reflecting Surface Aided MIMO Cognitive Radio Systems. Zhang, L., +, *TVT Oct. 2020 11445-11457*
- Intelligent Reflecting Surface-Assisted Millimeter Wave Communications: Joint Active and Passive Precoding Design. Wang, P., +, *TVT Dec. 2020 14960-14973*
- Joint Channel Estimation and Precoding for Faster-Than-Nyquist Signaling. Li, Q., +, *TVT Nov. 2020 13139-13147*
- Joint Modulation and Beamforming for MIMO Systems With 1-b DACs. Han, Y., +, *TVT Jan. 2020 1075-1079*
- Joint Scheduling and Precoding for mmWave and Sub-6GHz Dual-Mode Networks. Cheng, M., +, *TVT Nov. 2020 13098-13111*
- Long-Term Channel Statistic Estimation for Highly-Mobile Hybrid MmWave Multi-User MIMO Systems. Yu, J., +, *TVT Dec. 2020 14277-14289*
- Low-Complexity Subarray-Based RF Precoding for Wideband Multiuser Millimeter Wave Systems. Ni, Z., +, *TVT July 2020 8028-8033*
- Low-Cost and Power-Efficient Massive MIMO Precoding: Architecture and Algorithm Designs. Chen, J., *TVT July 2020 7429-7442*
- Multi-Panel Sparse Base Station Design With Physical Antenna Effects in Massive MU-MIMO. Amani, N., +, *TVT June 2020 6500-6510*
- Multi-User Linear Precoding in Massively Distributed Polarized Antenna Systems Under Imperfect CSIT. Park, J., +, *TVT May 2020 5268-5280*
- Multiuser Precoding for Sum-Rate Maximization in Relay-Aided mmWave Communications. Yalcin, A.Z., +, *TVT June 2020 6808-6812*
- Opportunistic Relaying and Jamming Based on Secrecy-Rate Maximization for Multiuser Buffer-Aided Relay Systems. Lu, X., +, *TVT Dec. 2020 15269-15283*
- Optimization of Data Exchange in 5G Vehicle-to-Infrastructure Edge Networks. Huang, T., +, *TVT Sept. 2020 9376-9389*
- Outage Analysis for MISO Zero-Forcing Precoding With Outdated CSI. Liu, G., +, *TVT Aug. 2020 9152-9156*
- Performance Analysis of Hybrid Beamforming Precoders for Multiuser Millimeter Wave NOMA Systems. Badrudeen, A.A., +, *TVT Aug. 2020 8739-8752*
- Pilot Assignment and Power Allocation for Multipair Massive MIMO DF Relaying Networks. Ho, C.D., +, *TVT July 2020 7379-7388*
- Precoded Index Modulation Based Multiple Access Scheme. Belaoura, W., +, *TVT Nov. 2020 12912-12920*
- Precoding Design and Optimization for Multi-Antenna Systems With Limited Feedback. Zou, Y., *TVT July 2020 7306-7316*
- Precoding Design and Power Control for SINR Maximization of MISO System With Nonlinear Power Amplifiers. Jee, J., +, *TVT Nov. 2020 14019-14024*
- Precoding Optimization for Faster-Than-Nyquist Signaling With Probabilistic Shaping. Kang, W., +, *TVT Oct. 2020 11470-11478*
- Rate Splitting for Multi-Group Multicasting With a Common Message. Yalcin, A.Z., +, *TVT Oct. 2020 12281-12285*
- Robust Rate-Maximization Precoder Design for VFDN System. Liu, W., +, *TVT March 2020 2747-2757*
- Secure Index-Modulation Based Hybrid Free Space Optical and Millimeter Wave Links. Althunibat, S., +, *TVT June 2020 6325-6332*
- Secure MIMO-SVD Communications Against Eavesdroppers With Any Number of Antennas. Tang, J., +, *TVT Oct. 2020 11077-11089*
- User Grouping and Hybrid RF/Baseband Precoding for Multi-User Massive MIMO Systems. Masmoudi, A., +, *TVT Oct. 2020 11308-11322*

Prediction algorithms

- A Probability-Based Short-Term Velocity Prediction Method for Energy-Efficient Cruise Control. Wasserburger, A., +, *TVT Dec. 2020 14424-14435*
- Fast Specific Absorption Rate Aware Beamforming for Downlink SWIPT via Deep Learning. Zhang, J., +, *TVT Dec. 2020 16178-16182*
- Kernel MSER-DFE Based Post-Distorter for VLC Using Random Fourier Features. Jain, S., +, *TVT Dec. 2020 16241-16246*
- Robust Model Predictive Current Control Based on Inductance and Flux Linkage Extraction Algorithm. Zhang, X., +, *TVT Dec. 2020 14893-14902*

Prediction theory

- Improved De-Multipath Neural Network Models With Self-Paced Feature-to-Feature Learning for DOA Estimation in Multipath Environment. Xiang, H., +, *TVT May 2020 5068-5078*

Predictive control

- A Novel Local Motion Planning Framework for Autonomous Vehicles Based on Resistance Network and Model Predictive Control. Huang, Y., +, *TVT Jan. 2020 55-66*
- A Probability-Based Short-Term Velocity Prediction Method for Energy-Efficient Cruise Control. Wasserburger, A., +, *TVT Dec. 2020 14424-14435*
- A Real-Time Nonlinear Model Predictive Controller for Yaw Motion Optimization of Distributed Drive Electric Vehicles. Guo, N., +, *TVT May 2020 4935-4946*
- A Universal and Reconfigurable Stability Control Methodology for Articulated Vehicles With Any Configurations. Zhang, Y., +, *TVT April 2020 3748-3759*
- An Energy-Saving Torque Vectoring Control Strategy for Electric Vehicles Considering Handling Stability Under Extreme Conditions. Hu, X., +, *TVT Oct. 2020 10787-10796*
- Centralized Cooperation for Connected and Automated Vehicles at Intersections by Proximal Policy Optimization. Guan, Y., +, *TVT Nov. 2020 12597-12608*
- Collision Imminent Steering at High Speed Using Nonlinear Model Predictive Control. Wurts, J., +, *TVT Aug. 2020 8278-8289*
- Comparison of Anti-Jerk Controllers for Electric Vehicles With On-Board Motors. Scamarcio, A., +, *TVT Oct. 2020 10681-10699*
- Computationally Efficient Stochastic Model Predictive Controller for Battery Thermal Management of Electric Vehicle. Park, S., +, *TVT Aug. 2020 8407-8419*
- Coordinate Receding Horizon Control for the Power-Shift Process of Multi-speed Electric Vehicles. Liu, Q., +, *TVT Jan. 2020 1055-1059*
- Ethical Decision-Making Platform in Autonomous Vehicles With Lexicographic Optimization Based Model Predictive Controller. Wang, H., +, *TVT Aug. 2020 8164-8175*
- Evaluating Model Predictive Path Following and Yaw Stability Controllers for Over-Actuated Autonomous Electric Vehicles. Zhang, W., +, *TVT Nov. 2020 12807-12821*
- Fuel Minimization of the Electric Engine Cooling System With Active Grille Shutter by Iterative Quadratic Programming. Feng, L., +, *TVT March 2020 2621-2635*
- Look-Ahead Prediction-Based Real-Time Optimal Energy Management for Connected HEVs. Xu, F., +, *TVT March 2020 2537-2551*
- Min-Max Model Predictive Vehicle Platooning With Communication Delay. Lan, J., +, *TVT Nov. 2020 12570-12584*
- Path Tracking and Direct Yaw Moment Coordinated Control Based on Robust MPC With the Finite Time Horizon for Autonomous Independent-Drive Vehicles. Peng, H., +, *TVT June 2020 6053-6066*
- Personalized Adaptive Cruise Control Based on Online Driving Style Recognition Technology and Model Predictive Control. Gao, B., +, *TVT Nov. 2020 12482-12496*
- Real-Time Model Predictive Powertrain Control for a Connected Plug-In Hybrid Electric Vehicle. Oncken, J., +, *TVT Aug. 2020 8420-8432*
- Research on Equivalent Factor Boundary of Equivalent Consumption Minimization Strategy for PHEVs. Li, J., +, *TVT June 2020 6011-6024*
- Ride Comfort Optimization via Speed Planning and Preview Semi-Active Suspension Control for Autonomous Vehicles on Uneven Roads. Wu, J., +, *TVT Aug. 2020 8343-8355*
- Robust Event-Triggered Model Predictive Control for Multiple High-Speed Trains With Switching Topologies. Zhao, H., +, *TVT May 2020 4700-4710*
- Robust Model Predictive Current Control Based on Inductance and Flux Linkage Extraction Algorithm. Zhang, X., +, *TVT Dec. 2020 14893-14902*
- Simplified Model Predictive Thrust Control Based Arbitrary Two Voltage Vectors for Linear Induction Machines in Metro Transportation. Zou, J., +, *TVT July 2020 7092-7103*
- Speed Sensorless Control of SPMSM Drives for EVs With a Binary Search Algorithm-Based Phase-Locked Loop. Sun, X., +, *TVT May 2020 4968-4978*

Trajectory Tracking Control of Autonomous Vehicle With Random Network Delay. *Luan, Z.*, +, *TVT Aug. 2020 8140-8150*

Wheel Modules With Distributed Controllers: A Multi-Agent Approach to Vehicular Control. *Tang, C.*, +, *TVT Oct. 2020 10879-10888*

Predictive models

A Probability-Based Short-Term Velocity Prediction Method for Energy-Efficient Cruise Control. *Wasserburger, A.*, +, *TVT Dec. 2020 14424-14435*

Deep Learning Aided Spectrum Prediction for Satellite Communication Systems. *Ding, X.*, +, *TVT Dec. 2020 16314-16319*

Remaining Useful Life Prediction for Lithium-Ion Batteries Based on Capacity Estimation and Box-Cox Transformation. *Xue, Q.*, +, *TVT Dec. 2020 14765-14779*

Robust Model Predictive Current Control Based on Inductance and Flux Linkage Extraction Algorithm. *Zhang, X.*, +, *TVT Dec. 2020 14893-14902*

Pricing

A Bayesian Game Based Vehicle-to-Vehicle Electricity Trading Scheme for Blockchain-Enabled Internet of Vehicles. *Xia, S.*, +, *TVT July 2020 6856-6868*

A Parking Slot Allocation Framework Based on Virtual Voting and Adaptive Pricing Algorithm. *Hassija, V.*, +, *TVT June 2020 5945-5957*

Blockchain Meets Edge Computing: Stackelberg Game and Double Auction Based Task Offloading for Mobile Blockchain. *Guo, S.*, +, *TVT May 2020 5549-5561*

DwaRa: A Deep Learning-Based Dynamic Toll Pricing Scheme for Intelligent Transportation Systems. *Shukla, A.*, +, *TVT Nov. 2020 12510-12520*

Energy-Spectral Efficiency Optimization in Vehicular Communications: Joint Clustering and Pricing-Based Robust Power Control Approach. *Xie, Y.*, +, *TVT Nov. 2020 13673-13685*

Equilibrium Problems With Equilibrium Constraints Analysis for Power Control and User Scheduling in NOMA Networks. *Zhang, H.*, +, *TVT May 2020 5467-5480*

HetMEC: Heterogeneous Multi-Layer Mobile Edge Computing in the 6 G Era. *Zhang, Y.*, +, *TVT April 2020 4388-4400*

Incentive Mechanism for Cooperative Localization in Wireless Networks. *Zhu, Y.*, +, *TVT Dec. 2020 15920-15932*

Joint Route Selection and Charging Discharging Scheduling of EVs in V2G Energy Network. *Liu, P.*, +, *TVT Oct. 2020 10630-10641*

Leveraging Dynamic Stackelberg Pricing Game for Multi-Mode Spectrum Sharing in 5G-VANET. *Qian, B.*, +, *TVT June 2020 6374-6387*

Non-Cooperative and Cooperative Optimization of Scheduling With Vehicle-to-Grid Regulation Services. *Chen, X.*, +, *TVT Jan. 2020 114-130*

Optimal Service Pricing and Charging Scheduling of an Electric Vehicle Sharing System. *Xie, R.*, +, *TVT Jan. 2020 78-89*

Pricing Based Distributed Traffic Allocation for 5G Heterogeneous Networks. *Passas, V.*, +, *TVT Oct. 2020 12111-12123*

Resource Allocation for Multi-Tenant Network Slicing: A Multi-Leader Multi-Follower Stackelberg Game Approach. *Tran, T.D.*, +, *TVT Aug. 2020 8886-8899*

Trust Based Secure Content Delivery in Vehicular Networks: A Bargaining Game Theoretical Approach. *Li, J.*, +, *TVT March 2020 3267-3279*

Principal component analysis

Eight-Diagram Based Access Point Selection Algorithm for Indoor Localization. *Xue, W.*, +, *TVT Nov. 2020 13196-13205*

Gait Learning Based Authentication for Intelligent Things. *Zhang, H.*, +, *TVT April 2020 4450-4459*

Low-Cost Reconstruction of Typical Driving Cycles Based on Empirical Information and Low-Frequency Speed Data. *Shi, S.*, +, *TVT Aug. 2020 8221-8231*

Semisupervised PCA Convolutional Network for Vehicle Type Classification. *Soon, F.C.*, +, *TVT Aug. 2020 8267-8277*

Privacy

Accurate Image-Based Pedestrian Detection With Privacy Preservation. *Yang, H.*, +, *TVT Dec. 2020 14494-14509*

Achieving Covert Communication in Overlay Cognitive Radio Networks. *Chen, R.*, +, *TVT Dec. 2020 15113-15126*

Certificateless and Lightweight Authentication Scheme for Vehicular Communication Networks. *Hathal, W.*, +, *TVT Dec. 2020 16110-16125*

Incentivizing Resource Cooperation for Blockchain Empowered Wireless Power Transfer in UAV Networks. *Jiang, L.*, +, *TVT Dec. 2020 15828-15841*

Private key cryptography

A Lightweight Mutual Authentication Protocol for V2V Communication in Internet of Vehicles. *Vasudev, H.*, +, *TVT June 2020 6709-6717*

An Identity Management and Authentication Scheme Based on Redactable Blockchain for Mobile Networks. *Xu, J.*, +, *TVT June 2020 6688-6698*

Efficient Physical Layer Key Agreement for FlexRay Networks. *Murvar, P.*, +, *TVT Sept. 2020 9767-9780*

Trust Management Scheme Based on Hybrid Cryptography for Secure Communications in VANETs. *Tangade, S.*, +, *TVT May 2020 5232-5243*

Probabilistic logic

Anti-Jamming 3D Trajectory Design for UAV-Enabled Wireless Sensor Networks Under Probabilistic LoS Channel. *Duo, B.*, +, *TVT Dec. 2020 16288-16293*

Probability

A Bandit Approach for Mode Selection in Ambient Backscatter-Assisted Wireless-Powered Relaying. *Li, G.*, +, *TVT Aug. 2020 9190-9195*

A Fast Beam Alignment Scheme for Dual-Band HSR Wireless Networks. *Yan, L.*, +, *TVT April 2020 3968-3979*

A More General Information Theoretic Study of Wireless Location Verification System. *Gholami, R.*, +, *TVT Sept. 2020 9938-9950*

A Nash Q-Learning Based Motion Decision Algorithm With Considering Interaction to Traffic Participants. *Xu, C.*, +, *TVT Nov. 2020 12621-12634*

A New Block-Based Reinforcement Learning Approach for Distributed Resource Allocation in Clustered IoT Networks. *Hussain, F.*, +, *TVT March 2020 2891-2904*

A Novel Probabilistic Buffer-Aided Relay Selection Scheme in Cooperative Networks. *Xu, P.*, +, *TVT April 2020 4548-4552*

A Priority-Based Cross-Layer Design for Future VANETs Through Full-Duplex Technology. *Zang, J.*, +, *TVT July 2020 7531-7544*

A Reliable Data Loss Aware Algorithm for Fog-IoT Networks. *Abkenar, F.S.*, +, *TVT May 2020 5718-5722*

A WLAN Uplink Collision-Resolving Scheme Using Multi-User Beamforming Technique. *Lee, Y.*, +, *TVT Oct. 2020 11042-11054*

Accessibility Analysis and Modeling for IoV in an Urban Scene. *Cheng, J.*, +, *TVT April 2020 4246-4256*

Accurate Probability Distribution Calculation for Drone-Based Highway-VANETs. *Seliem, H.*, +, *TVT Jan. 2020 1127-1130*

Achievable Diversity Order of HARQ-Aided Downlink NOMA Systems. *Shi, Z.*, +, *TVT Jan. 2020 471-487*

Adaptive Power Factor Allocation for Cooperative Full-Duplex NOMA Systems With Imperfect SIC and Rate Fairness. *Lima, B.K.S.*, +, *TVT Nov. 2020 14061-14066*

Adaptive Relay Selection Strategies for Cooperative NOMA Networks With User and Relay Cooperation. *Li, G.*, +, *TVT Oct. 2020 11728-11742*

An Augmentation Function for Active Pedestrian Safety System Based on Crash Risk Evaluation. *Yue, L.*, +, *TVT Nov. 2020 12459-12469*

An Enhanced Random Access With Distributed Pilot Orthogonalization for Cellular IoT Networks. *Kim, T.*, +, *TVT Jan. 2020 1152-1156*

Analysis and Optimization of Cache-Enabled Fog Radio Access Networks: Successful Transmission Probability, Fractional Offloaded Traffic and Delay. *Jiang, Y.*, +, *TVT May 2020 5219-5231*

Analysis of Blocking in mmWave Cellular Systems: Characterization of the LOS and NLOS Intervals in Urban Scenarios. *Ruiz, C.G.*, +, *TVT Dec. 2020 16247-16252*

Augmenting Transmission Environments for Better Communications: Tunable Reflector Assisted MmWave WLANs. *Zhang, L.*, +, *TVT July 2020 7416-7428*

Autonomous Tracking Using a Swarm of UAVs: A Constrained Multi-Agent Reinforcement Learning Approach. *Chen, Y.*, +, *TVT Nov. 2020 13702-13717*

Backscatter Communication Powered By Selective Relaying. *Li, D.*, *TVT Nov. 2020 14037-14042*

Beam Allocation for Millimeter-Wave MIMO Tracking Systems. *Zhang, D.*, +, *TVT Feb. 2020 1595-1611*

- Capacity Analysis of Device-to-Device mmWave Networks Under Transceiver Distortion Noise and Imperfect CSI. *Tlebaldiyeva, L.*, +, *TVT May 2020 5707-5712*
- Channel-Aware Power Allocation and Decoding Order in Overlay Cognitive NOMA Networks. *Li, G.*, +, *TVT June 2020 6511-6524*
- Complex Network Analysis of VANET Topology With Realistic Vehicular Traces. *Qu, X.*, +, *TVT April 2020 4426-4438*
- Computationally Efficient Stochastic Model Predictive Controller for Battery Thermal Management of Electric Vehicle. *Park, S.*, +, *TVT Aug. 2020 8407-8419*
- Congestion Propagation Based Bottleneck Identification in Urban Road Networks. *Li, C.*, +, *TVT May 2020 4827-4841*
- Connectivity of UAV Swarms in 3D Spherical Spaces Under (Un)Intentional Ground Interference. *Yuan, X.*, +, *TVT Aug. 2020 8792-8804*
- Contention-Based Radio Resource Management for URLLC-Oriented D2D Communications. *Wu, Y.*, +, *TVT Sept. 2020 9960-9971*
- Coverage Analysis and Optimization for High-Speed Railway Communication Systems With Narrow-Strip-Shaped Cells. *Lin, S.*, +, *TVT Oct. 2020 11544-11556*
- Cross-Media Communications With Decode-and-Forward Relay and Optimal Power Allocation. *Li, Y.*, +, *TVT Aug. 2020 9201-9205*
- Data-Driven Incipient Fault Detection and Diagnosis for the Running Gear in High-Speed Trains. *Cheng, C.*, +, *TVT Sept. 2020 9566-9576*
- DAVT: An Error-Bounded Vehicle Trajectory Data Representation and Compression Framework. *Chen, C.*, +, *TVT Oct. 2020 10606-10618*
- Deep Learning-Based Cooperative Automatic Modulation Classification Method for MIMO Systems. *Wang, Y.*, +, *TVT April 2020 4575-4579*
- Deep Reinforcement Learning Aided Intelligent Access Control in Energy Harvesting Based WLAN. *Zhao, Y.*, +, *TVT Nov. 2020 14078-14082*
- Delay Violation Probability and Effective Rate of Downlink NOMA Over α - μ Fading Channels. *Kumar, V.*, +, *TVT Oct. 2020 11241-11252*
- Design of Optimal Non-Uniform Quantizer in Imperfect Noisy Reporting Channels for Collaborative Spectrum Sensing. *Naderipour, M.*, +, *TVT Nov. 2020 12870-12882*
- Detection Performance to Spatially Random UAV Using the Ground Vehicle. *Wang, K.*, +, *TVT Dec. 2020 16320-16324*
- Distributed Video Content Caching Policy With Deep Learning Approaches for D2D Communication. *Liu, Z.*, +, *TVT Dec. 2020 15644-15655*
- Distributionally Robust Two-Stage Energy Management for Hybrid Energy Powered Cellular Networks. *Du, P.*, +, *TVT Oct. 2020 12162-12174*
- Driving Maneuvers Prediction Based Autonomous Driving Control by Deep Monte Carlo Tree Search. *Chen, J.*, +, *TVT July 2020 7146-7158*
- Efficient Hybrid Beamforming With Anti-Blockage Design for High-Speed Railway Communications. *Gao, M.*, +, *TVT Sept. 2020 9643-9655*
- Efficient Sparse Code Multiple Access Decoder Based on Deterministic Message Passing Algorithm. *Zhang, C.*, +, *TVT April 2020 3562-3574*
- Enabling Edge Caching Through Full-Duplex Non-Orthogonal Multiple Access. *Ma, R.*, +, *TVT Oct. 2020 12338-12342*
- Energy Harvesting Wireless Sensor Networks With Channel Estimation: Delay and Packet Loss Performance Analysis. *Hentati, A.*, +, *TVT Feb. 2020 1956-1969*
- Energy-Aware Relay Selection Improves Security-Reliability Tradeoff in Energy Harvesting Cooperative Cognitive Radio Systems. *Yan, P.*, +, *TVT May 2020 5115-5128*
- Energy-Efficient Power Allocation and User Selection for mmWave-NOMA Transmission in M2M Communications Underlying Cellular Heterogeneous Networks. *Sobhi-Givi, S.*, +, *TVT Sept. 2020 9866-9881*
- Energy-Spectral Efficiency Optimization in Vehicular Communications: Joint Clustering and Pricing-Based Robust Power Control Approach. *Xie, Y.*, +, *TVT Nov. 2020 13673-13685*
- Enhancing Video Streaming in Vehicular Networks via Resource Slicing. *Khan, H.*, +, *TVT April 2020 3513-3522*
- Error Probability Analysis of NOMA-Based Diamond Relaying Network. *Kara, F.*, +, *TVT Feb. 2020 2280-2285*
- Fast Block Sequential Decoding of Polar Codes. *Trofimiuk, G.*, +, *TVT Oct. 2020 10988-10999*
- Finite-Alphabet Signature Design for Grant-Free NOMA: A Quantized Deep Learning Approach. *Yu, H.*, +, *TVT Oct. 2020 10975-10987*
- Full-Duplex Non-Orthogonal Multiple Access Cooperative Spectrum-Sharing Networks With Non-Linear Energy Harvesting. *Hakimi, A.*, +, *TVT Oct. 2020 10925-10936*
- Geometric Analysis of the Doppler Frequency for General Non-Stationary 3D Mobile-to-Mobile Channels Based on Prolate Spheroidal Coordinates. *Walter, M.*, +, *TVT Oct. 2020 10419-10434*
- Impact of Big Vehicle Shadowing on Vehicle-to-Vehicle Communications. *Nguyen, H.*, +, *TVT July 2020 6902-6915*
- Impact of Co-Channel Interference and Vehicles as Obstacles on Full-Duplex V2V Cooperative Wireless Network. *Eshteiwi, K.*, +, *TVT July 2020 7503-7517*
- Impact of Hardware Impairments on the Outage Probability and Ergodic Capacity of One-Way and Two-Way Full-Duplex Relaying Systems. *Nguyen, B.C.*, +, *TVT Aug. 2020 8555-8567*
- Incremental Decode-and-Forward Protocols for D2D Communication: A Diversity-Multiplexing-Tradeoff Perspective. *Yang, T.*, +, *TVT Nov. 2020 13927-13931*
- Integrating Broadcasting and NOMA in Full-Duplex Buffer-Aided Opportunistic Relay Networks. *Nomikos, N.*, +, *TVT Aug. 2020 9157-9162*
- Joint Bi-Static Radar and Communications Designs for Intelligent Transportation. *Cao, N.*, +, *TVT Nov. 2020 13060-13071*
- Learning and Uncertainty-Exploited Directional Antenna Control for Robust Long-Distance and Broad-Band Aerial Communication. *Liu, M.*, +, *TVT Jan. 2020 593-606*
- Look-Ahead Prediction-Based Real-Time Optimal Energy Management for Connected HEVs. *Xu, F.*, +, *TVT March 2020 2537-2551*
- Low-Cost Reconstruction of Typical Driving Cycles Based on Empirical Information and Low-Frequency Speed Data. *Shi, S.*, +, *TVT Aug. 2020 8221-8231*
- Machine Learning Enabling Analog Beam Selection for Concurrent Transmissions in Millimeter-Wave V2V Communications. *Yang, Y.*, +, *TVT Aug. 2020 9185-9189*
- MDP-Based Task Offloading for Vehicular Edge Computing Under Certain and Uncertain Transition Probabilities. *Zhang, X.*, +, *TVT March 2020 3296-3309*
- Mixed RF-VLC Relaying Systems for Interference-Sensitive Mobile Applications. *Petkovic, M.I.*, +, *TVT Oct. 2020 11099-11111*
- Modeling and Performance Analysis for Ambient Backscattering Underlying Cellular Networks. *Shi, L.*, +, *TVT June 2020 6563-6577*
- Motion Planning Approach Considering Localization Uncertainty. *Artunedo, A.*, +, *TVT June 2020 5983-5994*
- Multi-Agent Deep Reinforcement Learning Based Spectrum Allocation for D2D Underlay Communications. *Li, Z.*, +, *TVT Feb. 2020 1828-1840*
- Network Coding Assisted Secure Transmission in Full-Duplex Relay Networks. *He, H.*, +, *TVT Aug. 2020 9196-9200*
- Network Optimisation in 5G Networks: A Radio Environment Map Approach. *Suarez Rodriguez, A.C.*, +, *TVT Oct. 2020 12043-12057*
- NOMA With Battery-Assisted Energy Harvesting Full-Duplex Relay. *Agrawal, K.*, +, *TVT Nov. 2020 13952-13957*
- Novel Outage-Aware NOMA Protocol for Secrecy Fairness Maximization Among Untrusted Users. *Thapar, S.*, +, *TVT Nov. 2020 13259-13272*
- On Distance Statistics of First Arriving Multi-Paths in Indoor mm-Wave Communications. *R. T., R.*, +, *TVT Dec. 2020 16218-16223*
- On Evaluation of Indoor to Outdoor Communications Using Neighbourhood Small Cells. *Yang, W.*, +, *TVT July 2020 8045-8050*
- On Multi-Hop Short-Packet Communications: Recoding or End-to-End Fountain Coding?. *Li, Y.*, +, *TVT Aug. 2020 9229-9233*
- On the Distribution of the Ratio of Products of Fisher-Snedecor \mathcal{F} Random Variables and Its Applications. *Du, H.*, +, *TVT Feb. 2020 1855-1866*
- On the Distribution of the Sum of Málaga- \mathcal{M} Random Variables and Applications. *Illi, E.*, +, *TVT Nov. 2020 13996-14000*
- On the Effective Rate and Energy Detection Based Spectrum Sensing Over α - η - κ - μ Fading Channels. *Al-Hmood, H.*, +, *TVT Aug. 2020 9112-9116*
- On the Fairness of the Coexisting LTE-U and WiFi Networks Sharing Multiple Unlicensed Channels. *Hu, H.*, +, *TVT Nov. 2020 13890-13904*

- On the Multiplexing of Data and Metadata for Ultra-Reliable Low-Latency Communications in 5G. *Karimi, A.*, +, *TVT Oct. 2020 12136-12147*
- On the Performance Analysis of Higher Order QAM Schemes Over Mixed RF/FSO Systems. *Singya, P.K.*, +, *TVT July 2020 7366-7378*
- On the Performance Analysis of mmWave MIMO-NOMA Transmission Scheme. *Aghdam, M.R.G.*, +, *TVT Oct. 2020 11491-11500*
- On the Performance of LTE/Wi-Fi Dual-Mode Uplink Transmission: Connection Probability Versus Energy Efficiency. *Zhang, J.*, +, *TVT Oct. 2020 11152-11168*
- On the Performance of RIS-Assisted Dual-Hop UAV Communication Systems. *Yang, L.*, +, *TVT Sept. 2020 10385-10390*
- On the Physical Layer Security of Millimeter Wave NOMA Networks. *Huang, S.*, +, *TVT Oct. 2020 11697-11711*
- On the Physical Layer Security of Underlay Relay-Aided Device-to-Device Communications. *Khoshafa, M.H.*, +, *TVT July 2020 7609-7621*
- On Wireless Blind Spots in the C-V2X Sidelink. *Bazzi, A.*, +, *TVT Aug. 2020 9239-9243*
- Optimal Altitude Selection of Aerial Base Stations to Maximize Coverage and Energy Harvesting Probabilities: A Stochastic Geometry Analysis. *Enayati, S.*, +, *TVT Jan. 2020 1096-1100*
- Optimal Measurement Policy for Linear Measurement Systems With Applications to UAV Network Topology Prediction. *Razi, A.*, *TVT Feb. 2020 1970-1981*
- Optimal Relay Selection for Secure NOMA Systems Under Untrusted Users. *Cao, K.*, +, *TVT Feb. 2020 1942-1955*
- Outage Analysis for MISO Zero-Forcing Precoding With Outdated CSI. *Liu, G.*, +, *TVT Aug. 2020 9152-9156*
- Outage Analysis in Cognitive Radio Networks With Energy Harvesting and Q-Routing. *Paul, A.*, +, *TVT June 2020 6755-6765*
- Outage Analysis of RF Energy Harvesting Cooperative Communication Systems Over Nakagami- m Fading Channels With Integer and Non-Integer. *Hoang, T.M.*, +, *TVT March 2020 2785-2801*
- Outage Behaviors of NOMA-Based Satellite Network Over Shadowed-Rician Fading Channels. *Yue, X.*, +, *TVT June 2020 6818-6821*
- Outage of Cognitive Electric Vehicle Networks Over Mixed RF/VLC Channels With Signal-Dependent Noise and Imperfect CSI. *Naurzybayev, G.*, +, *TVT June 2020 6828-6832*
- Outage Performance Analysis of Two-Way Full-Duplex DF Relaying Networks With Beamforming. *Lee, J.*, +, *TVT Aug. 2020 8753-8763*
- Outage Performance of CDF-Based Scheduling in Downlink and Uplink NOMA Systems. *Lu, H.*, +, *TVT Dec. 2020 14945-14959*
- Outage Probabilities of Cache and SIC Enabled Downlink MIMO NOMA Cellular Networks With Randomly Distributed Users. *Zheng, J.*, +, *TVT Nov. 2020 13942-13946*
- Particle-Filtering-Based Prognostics for the State of Maximum Power Available in Lithium-Ion Batteries at Electromobility Applications. *Diaz, C.*, +, *TVT July 2020 7187-7200*
- Peak-to-Average Power Ratio Analysis for OFDM-Based Mixed-Numerology Transmissions. *Liu, X.*, +, *TVT Feb. 2020 1802-1812*
- Performance Analysis and Cell Association Design for Drone-Assisted Heterogeneous Networks. *Sun, H.*, +, *TVT Nov. 2020 13741-13755*
- Performance Analysis and Enhancement of Beamforming Training in 802.11ad. *Wu, W.*, +, *TVT May 2020 5293-5306*
- Performance Analysis and Optimization for the MAC Protocol in UAV-Based IoT Network. *Li, B.*, +, *TVT Aug. 2020 8925-8937*
- Performance Analysis and Optimization of Bidirectional Overlay Cognitive Radio Networks With Hybrid-SWIPT. *Prathima, A.*, +, *TVT Nov. 2020 13467-13481*
- Performance Analysis and Power Allocation Strategy for Downlink NOMA Systems in Large-Scale Cellular Networks. *Wang, J.*, +, *TVT March 2020 3459-3464*
- Performance Analysis for Uplink Transmission in User-Centric Ultra-Dense V2I Networks. *Wu, P.*, +, *TVT Sept. 2020 9342-9355*
- Performance Analysis of a Delay Constrained Data Offloading Scheme in an Integrated Cloud-Fog-Edge Computing System. *Fantacci, R.*, +, *TVT Oct. 2020 12004-12014*
- Performance Analysis of an Edge Computing SaaS System for Mobile Users. *Bonadio, A.*, +, *TVT Feb. 2020 2049-2057*
- Performance Analysis of Cell-Free Massive MIMO Systems: A Stochastic Geometry Approach. *Papazafeiropoulos, A.*, +, *TVT April 2020 3523-3537*
- Performance Analysis of Cellular Downlink With Fluctuating Two-Ray Channels Under Inter-Cell Interference. *Olyaei, M.*, +, *TVT Nov. 2020 13437-13449*
- Performance Analysis of Dual-Hop Relaying With I/Q Imbalance and Additive Hardware Impairment. *Gao, Y.*, +, *TVT April 2020 4580-4584*
- Performance Analysis of Hybrid Satellite-Terrestrial Cooperative Networks With Relay Selection. *Guo, K.*, +, *TVT Aug. 2020 9053-9067*
- Performance Analysis of Improved LT Codes With the Removal of Low Degree Input Symbols. *Wang, C.*, +, *TVT Feb. 2020 2296-2300*
- Performance Analysis of MISINR User Association in 3-D Heterogeneous Cellular Networks. *Ding, H.*, +, *TVT April 2020 4119-4129*
- Performance Analysis of NOMA Enabled Hybrid Network With Limited Feedback. *Swami, P.*, +, *TVT April 2020 4516-4521*
- Performance Analysis of OSTBC-NOMA System in the Presence of Practical Impairments. *Toka, M.*, +, *TVT Sept. 2020 9697-9706*
- Physical Layer Security for Multiuser Satellite Communication Systems With Threshold-Based Scheduling Scheme. *Guo, K.*, +, *TVT May 2020 5129-5141*
- Physical Layer Security of QSTBC With Power Scaling in MIMO Wiretap Channels. *Chae, S.H.*, +, *TVT May 2020 5647-5651*
- Power Optimization for Enhancing Secrecy of Cooperative User Relaying NOMA Networks. *Cao, Y.*, +, *TVT July 2020 8008-8012*
- Power-Time Splitting-Based Non-Linear Energy Harvesting in FD Short-Packet Communications. *Raut, P.*, +, *TVT Aug. 2020 9146-9151*
- QoS Guaranteed Edge Cloud Resource Provisioning for Vehicle Fleets. *Tang, G.*, +, *TVT June 2020 5889-5900*
- Reducing the Mutual Outage Probability of Cooperative Non-Orthogonal Multiple Access. *Riaz, S.*, +, *TVT Dec. 2020 16207-16212*
- Regret Matching Learning Based Spectrum Reuse in Small Cell Networks. *Fan, C.*, +, *TVT Jan. 2020 1060-1064*
- Rendezvous: Opportunistic Data Delivery to Mobile Users by UAVs Through Target Trajectory Prediction. *Yoon, J.*, +, *TVT Feb. 2020 2230-2245*
- Repetition-Based NOMA Transmission and Its Outage Probability Analysis. *Choi, J.*, *TVT June 2020 5913-5922*
- Research on Cognitive Power Allocation for Secure Millimeter-Wave NOMA Networks. *Song, Y.*, +, *TVT Nov. 2020 13424-13436*
- Response Delay Optimization in Mobile Edge Computing Enabled UAV Swarm. *Zhang, Q.*, +, *TVT March 2020 3280-3295*
- Response-Time Analysis for Controller Area Networks With Randomly Occurring Messages. *Sato, R.*, +, *TVT April 2020 3893-3902*
- Robust Modulation Classification Over α -Stable Noise Using Graph-Based Fractional Lower-Order Cyclic Spectrum Analysis. *Yan, X.*, +, *TVT March 2020 2836-2849*
- Secrecy Analysis of Ambient Backscatter NOMA Systems Under I/Q Imbalance. *Li, X.*, +, *TVT Oct. 2020 12286-12290*
- Secrecy Analysis Over Cascaded κ - μ Fading Channels With Multiple Eavesdroppers. *Tashman, D.H.*, +, *TVT Aug. 2020 8433-8442*
- Secrecy Outage Analysis of Transmit Antenna Selection Assisted With Wireless Power Beacon. *Yan, P.*, +, *TVT July 2020 7473-7482*
- Secrecy Outage and Diversity Analysis of Multiple Cooperating Source-Destination Pairs. *Ding, X.*, +, *TVT July 2020 7648-7662*
- Secrecy Performance Analysis of RIS-Aided Wireless Communication Systems. *Yang, L.*, +, *TVT Oct. 2020 12296-12300*
- Secrecy Performance Analysis of UAV Assisted Relay Transmission for Cognitive Network With Energy Harvesting. *Ji, B.*, +, *TVT July 2020 7404-7415*
- Secrecy Performance Analysis of UAV-Assisted Relaying Communication Systems. *Bao, T.*, +, *TVT Jan. 2020 1122-1126*
- Secrecy Performance of NOMA Systems With Energy Harvesting and Full-Duplex Relaying. *Guo, C.*, +, *TVT Oct. 2020 12301-12305*
- Secrecy Performance of User and Antenna Selection With Channel Estimation Inaccuracy. *Lee, D.*, *TVT April 2020 4533-4536*

- Secrecy Under Rayleigh-Dual Correlated Rician Fading Employing Opportunistic Relays and an Adaptive Encoder. *Le, K.N.*, +, *TVT May 2020 5179-5192*
- Secure Beamforming and Jamming for Multibeam Satellite Systems With Correlated Wiretap Channels. *Cui, G.*, +, *TVT Oct. 2020 12348-12353*
- Secure Communication With Outdated Channel State Information via Untrusted Relay Capable of Energy Harvesting. *Lim, J.*, +, *TVT Oct. 2020 11323-11337*
- Secure Outage Analysis for Cooperative NOMA Systems With Antenna Selection. *Pei, X.*, +, *TVT April 2020 4503-4507*
- Secure Wireless Powered Cooperative Communication Networks With Finite Energy Storage. *Wang, Y.*, +, *TVT Jan. 2020 1008-1022*
- Securing OFDM-Based NOMA SWIPT Systems. *Badawy, A.*, +, *TVT Oct. 2020 12343-12347*
- Security Enhancement Using a Novel Two-Slot Cooperative NOMA Scheme. *Chen, B.*, +, *TVT March 2020 3470-3475*
- Space-Domain Index Modulation for mmWave Cloud Radio Access Networks. *Luo, S.*, +, *TVT June 2020 6215-6229*
- Spectral Efficiency of Multi-Hop Millimeter Wave Networks Using N^{th} Best Relay Routing Technique. *Ibrahim, M.*, +, *TVT Sept. 2020 9951-9959*
- Statistical Modelling of Dynamic Interference Threshold and Its Effect on Network Capacity. *Kachroo, A.*, +, *TVT May 2020 5102-5114*
- STBC-Aided Cooperative NOMA With Timing Offsets, Imperfect Successive Interference Cancellation, and Imperfect Channel State Information. *Akhtar, M.W.*, +, *TVT Oct. 2020 11712-11727*
- Stochastic Geometry Based Performance Characterization of SWIPT in Cell-Free Massive MIMO. *Kusaladharma, S.*, +, *TVT Nov. 2020 13357-13370*
- Sum-Rate Maximization Based Relay Selection for Cooperative NOMA Over Nakagami- m Fading. *Li, Y.*, +, *TVT Nov. 2020 13985-13989*
- System Outage Probability of PS-SWIPT Enabled Two-Way AF Relaying With Hardware Impairments. *Liu, Z.*, +, *TVT Nov. 2020 13532-13545*
- Target Localization With Jammer Removal Using Frequency Diverse Array. *Liu, Q.*, +, *TVT Oct. 2020 11685-11696*
- Target Tracking Initiation for Multi-Static Multi-Frequency PCL System. *Baek, J.*, +, *TVT Oct. 2020 10558-10568*
- Task Scheduling for Mobile Edge Computing Using Genetic Algorithm and Conflict Graphs. *Al-Habob, A.A.*, +, *TVT Aug. 2020 8805-8819*
- The α - \mathcal{F} Composite Fading Distribution: Statistical Characterization and Applications. *Badarneh, O.S.*, *TVT Aug. 2020 8097-8106*
- Threshold-Based Edge Selection MPA for SCMA. *Silva, B.F.d.*, +, *TVT March 2020 2957-2966*
- Throughput Analysis of Low-Latency IoT Systems With QoS Constraints and Finite Blocklength Codes. *Hu, Y.*, +, *TVT March 2020 3093-3104*
- UAV-to-Everything (U2X) Networks Relying on NOMA: A Stochastic Geometry Model. *Hou, T.*, +, *TVT July 2020 7558-7568*
- Uplink Performance Analysis for Millimeter Wave Cellular Networks With Clustered Users. *Muhammad, N.A.*, +, *TVT June 2020 6178-6188*
- Using Reinforcement Learning to Minimize the Probability of Delay Occurrence in Transportation. *Cao, Z.*, +, *TVT March 2020 2424-2436*
- VeRA: A Simplified Security Risk Analysis Method for Autonomous Vehicles. *Cui, J.*, +, *TVT Oct. 2020 10494-10505*
- Wireless Energy Efficiency Evaluation for Buildings Under Design Based on Analysis of Interference Gain. *Zhang, J.*, +, *TVT June 2020 6310-6324*
- Probability density function**
- A Study of 2D Non-Stationary Massive MIMO Channels by Transformation of Delay and Angular Power Spectral Densities. *Lopez, C.F.*, +, *TVT Dec. 2020 14212-14224*
- Beamformed Radio Link Capacity Under Positioning Uncertainty. *Talvitie, J.*, +, *TVT Dec. 2020 16235-16240*
- Capacity Analysis of Coordinated Multipoint Reception for mmWave Uplink With Blockages. *Maham, B.*, +, *TVT Dec. 2020 16299-16303*
- Detection Performance to Spatially Random UAV Using the Ground Vehicle. *Wang, K.*, +, *TVT Dec. 2020 16320-16324*
- NOMA Versus OMA in Finite Blocklength Regime: Link-Layer Rate Performance. *Amjad, M.*, +, *TVT Dec. 2020 16253-16257*
- On Distance Statistics of First Arriving Multi-Paths in Indoor mm-Wave Communications. *R. T., R.*, +, *TVT Dec. 2020 16218-16223*
- Optimal Non-Coherent Detector for Ambient Backscatter Communication System. *Guruacharya, S.*, +, *TVT Dec. 2020 16197-16201*
- Processor scheduling**
- Systematic Beam Management in mmWave Networks: Tradeoff Among Beam Coverage, Link Budget, and Interference Control. *Ju, H.*, +, *TVT Dec. 2020 15325-15334*
- Product development**
- Development of Artificial Intelligence to Classify Quality of Transmission Shift Control Using Deep Convolutional Neural Networks. *Kawakami, T.*, +, *TVT Dec. 2020 16168-16172*
- Power Flow Simulation in the Product Development Process of Modern Vehicular DC Distribution Systems. *Mantilla-Perez, P.*, +, *TVT May 2020 5025-5040*
- Production engineering computing**
- Detection of Low-Frequency and Multi-Stage Attacks in Industrial Internet of Things. *Li, X.*, +, *TVT Aug. 2020 8820-8831*
- NOMA-Assisted On-Demand Transmissions for Monitoring Applications in Industrial IoT Networks. *Lyu, L.*, +, *TVT Oct. 2020 12264-12276*
- Profitability**
- An IoT and Edge Computing Based Framework for Charge Scheduling and EV Selection in V2G Systems. *Chamola, V.*, +, *TVT Oct. 2020 10569-10580*
- Can Charging Infrastructure Used Only by Electric Taxis Be Profitable? A Case Study From Karlsruhe, Germany. *Funke, S.A.*, +, *TVT June 2020 5933-5944*
- Intra-Operator Customer Churn in Telecommunications: A Systematic Perspective. *Zhang, Y.*, +, *TVT Jan. 2020 948-957*
- Optimal Service Pricing and Charging Scheduling of an Electric Vehicle Sharing System. *Xie, R.*, +, *TVT Jan. 2020 78-89*
- Programming**
- Energy-Efficient and Delay-Fair Mobile Computation Offloading. *Mu, S.*, +, *TVT Dec. 2020 15746-15759*
- Energy-Optimal Adaptive Cruise Control for Electric Vehicles Based on Linear and Nonlinear Model Predictive Control. *Jia, Y.*, +, *TVT Dec. 2020 14173-14187*
- Propagation losses**
- A Study of Cross-Layer BP/LTP Data Block Size in Space Vehicle Communications Over Lossy and Highly Asymmetric Channels. *Zhou, Y.*, +, *TVT Dec. 2020 16126-16141*
- Influence and Mitigation of Pedestrian Blockage at mmWave Cellular Networks. *Kumar, S, Y.*, +, *TVT Dec. 2020 15442-15457*
- Proportional control**
- Suppression Method of Current Harmonic for Three-Phase PWM Rectifier in EV Charging System. *Song, T.*, +, *TVT Sept. 2020 9634-9642*
- Proposals**
- Generation of Cooperative Perception Messages for Connected and Automated Vehicles. *Thandavarayan, G.*, +, *TVT Dec. 2020 16336-16341*
- Propulsion**
- Capturing the Impact of Speed, Grade, and Traffic on Class 8 Truck Platooning. *Taylor, A.H.*, +, *TVT Oct. 2020 10506-10518*
- Data-Driven Identification of Characteristic Real-Driving Cycles Based on k-Means Clustering and Mixed-Integer Optimization. *Forster, D.*, +, *TVT March 2020 2398-2410*
- Mechanical Design and Analysis of a High-Torque Modular Hybrid Excitation Synchronous Machine for Electric Vehicle Propulsion Applications. *Wang, C.*, +, *TVT Sept. 2020 9624-9633*
- Protocols**
- CANeelon: Protecting CAN Bus With Frame ID Chameleon. *Cheng, K.*, +, *TVT July 2020 7116-7130*
- A Distributed Mobile Fog Computing Scheme for Mobile Delay-Sensitive Applications in SDN-Enabled Vehicular Networks. *Lin, C.*, +, *TVT May 2020 5481-5493*
- A Lightweight Authentication and Attestation Scheme for In-Transit Vehicles in IoV Scenario. *Alladi, T.*, +, *TVT Dec. 2020 14188-14197*
- A Novel Graphics-Based Multi-Epoch Power Adjustment Strategy for WPCNs. *Wang, T.*, +, *TVT Nov. 2020 14093-14098*

- A Route Segmented Broadcast Protocol Based on RFID for Emergency Message Dissemination in Vehicular Ad-Hoc Networks. *Afrashteh, M.*, +, *TVT Dec. 2020 16017-16026*
- A Study of Cross-Layer BP/LTP Data Block Size in Space Vehicle Communications Over Lossy and Highly Asymmetric Channels. *Zhou, Y.*, +, *TVT Dec. 2020 16126-16141*
- Adaptive Relay Selection Strategies for Cooperative NOMA Networks With User and Relay Cooperation. *Li, G.*, +, *TVT Oct. 2020 11728-11742*
- Average Age of Information in Short Packet Based Machine Type Communication. *Yu, B.*, +, *TVT Sept. 2020 10306-10319*
- Backscatter Communication via Harvest-Then-Transmit Relaying. *Li, D.*, *TVT June 2020 6843-6847*
- Beyond D2D: Full Dimension UAV-to-Everything Communications in 6G. *Zhang, S.*, +, *TVT June 2020 6592-6602*
- Characterization and Performance Improvement of Cooperative Wireless Networks With Nonlinear Power Amplifier at Relay. *Majidi, M.*, +, *TVT March 2020 3244-3255*
- Coherent Communications in Self-Organizing Networks With Distributed Beamforming. *Shi, Y.*, +, *TVT Jan. 2020 760-770*
- Coordinated Multiple Access Point Multiuser Beamforming Training Protocol for Millimeter Wave WLANs. *Shen, L.*, +, *TVT Nov. 2020 13875-13889*
- DAGIoV: A Framework for Vehicle to Vehicle Communication Using Directed Acyclic Graph and Game Theory. *Hassija, V.*, +, *TVT April 2020 4182-4191*
- Design and Analysis of Multi-User Association and Beam Training Schemes for Millimeter Wave Based WLANs. *Shen, L.*, +, *TVT July 2020 7458-7472*
- Energy Efficiency for RF-Powered Backscatter Networks Using HTT Protocol. *Shi, L.*, +, *TVT Nov. 2020 13932-13936*
- Energy Harvesting Wireless Sensor Networks With Channel Estimation: Delay and Packet Loss Performance Analysis. *Hentati, A.*, +, *TVT Feb. 2020 1956-1969*
- Fairness-Aware Intragroup Cooperative Transmission in Wireless Powered Communication Networks. *Mao, Z.*, +, *TVT June 2020 6463-6472*
- FIT: On-the-Fly, In-Situ Training for SNR-Based Rate Selection. *Liu, H.*, +, *TVT Oct. 2020 11295-11307*
- Formal Verification and Performance Analysis of a New Data Exchange Protocol for Connected Vehicles. *Chouali, S.*, +, *TVT Dec. 2020 15385-15397*
- FTGPHA: Fixed-Trajectory Group Pre-Handover Authentication Mechanism for Mobile Relays in 5G High-Speed Rail Networks. *Ma, R.*, +, *TVT Feb. 2020 2126-2140*
- Generation of Cooperative Perception Messages for Connected and Automated Vehicles. *Thandavarayan, G.*, +, *TVT Dec. 2020 16336-16341*
- Incremental Decode-and-Forward Protocols for D2D Communication: A Diversity-Multiplexing-Tradeoff Perspective. *Yang, T.*, +, *TVT Nov. 2020 13927-13931*
- Inside-Out Precoding to Manage Multiple Interferences From the Same Source. *Li, Z.*, +, *TVT July 2020 7583-7595*
- LTE Signal Detector for LSA Spectrum Sharing Model in Portugal. *Milheiro, J.*, +, *TVT Dec. 2020 15127-15136*
- Neighbor Discovery Based on Cross-Technology Communication for Mobile Applications. *Gao, D.*, +, *TVT Oct. 2020 11179-11191*
- Neural Network-Based Relay Selection in Two-Way SWIPT-Enabled Cognitive Radio Networks. *Zhang, Z.*, +, *TVT June 2020 6264-6274*
- On Cooperative Achievable Rates of UAV Assisted Cellular Networks. *Song, Y.*, +, *TVT Sept. 2020 9882-9895*
- On Maximizing Min Source Rate in Power Beacon Assisted IoT Networks. *He, T.*, +, *TVT Oct. 2020 11880-11892*
- Online Rating Protocol Using Endogenous and Incremental Learning Design for Mobile Crowdsensing. *Lu, J.*, +, *TVT March 2020 3190-3201*
- Optimal Measurement Policy for Linear Measurement Systems With Applications to UAV Network Topology Prediction. *Razi, A.*, *TVT Feb. 2020 1970-1981*
- Optimal Power Allocation in Cooperative Networks With Energy-Saving Protocols. *Ojo, F.K.*, +, *TVT May 2020 5079-5088*
- Optimal Relay Selection for Secure NOMA Systems Under Untrusted Users. *Cao, K.*, +, *TVT Feb. 2020 1942-1955*
- Outage Analysis of RF Energy Harvesting Cooperative Communication Systems Over Nakagami- m Fading Channels With Integer and Non-Integer m . *Hoang, T.M.*, +, *TVT March 2020 2785-2801*
- Outage Performance Analysis of Two-Way Full-Duplex DF Relaying Networks With Beamforming. *Lee, J.*, +, *TVT Aug. 2020 8753-8763*
- Performance Analysis and Enhancement of Beamforming Training in 802.11ad. *Wu, W.*, +, *TVT May 2020 5293-5306*
- Resources Allocation at the Physical Layer for Network Function Virtualization Deployment. *Xie, N.*, +, *TVT March 2020 2771-2784*
- Response-Time Analysis for Controller Area Networks With Randomly Occurring Messages. *Sato, R.*, +, *TVT April 2020 3893-3902*
- Robust Secure Beamforming for SWIPT-Aided Relay Systems With Full-Duplex Receiver and Imperfect CSI. *Li, X.*, +, *TVT Feb. 2020 1867-1878*
- SecAuthUAV: A Novel Authentication Scheme for UAV-Ground Station and UAV-UAV Communication. *Alladi, T.*, +, *TVT Dec. 2020 15068-15077*
- Secure Communication With Outdated Channel State Information via Untrusted Relay Capable of Energy Harvesting. *Lim, J.*, +, *TVT Oct. 2020 11323-11337*
- Self-Energized UAV-Assisted Scheme for Cooperative Wireless Relay Networks. *Jayakody, D.N.K.*, +, *TVT Jan. 2020 578-592*
- Single-Anchor Two-Way Localization Bounds for 5G mmWave Systems. *Abu-Shaban, Z.*, +, *TVT June 2020 6388-6400*
- State-Aware Rate Adaptation for UAVs by Incorporating On-Board Sensors. *He, S.*, +, *TVT Jan. 2020 488-496*
- Switched Max-Link Relay Selection Based on Maximum Minimum Distance for Cooperative MIMO Systems. *Duarte, F.L.*, +, *TVT Feb. 2020 1928-1941*
- System Outage Probability of PS-SWIPT Enabled Two-Way AF Relaying With Hardware Impairments. *Liu, Z.*, +, *TVT Nov. 2020 13532-13545*
- Transceiver Design for AF MIMO Relay Systems With a Power Splitting Based Energy Harvesting Relay Node. *Li, B.*, +, *TVT March 2020 2376-2388*
- UAV-Enabled NOMA Networks Analysis With Selective Incremental Relaying and Imperfect CSI. *Guo, C.*, +, *TVT Dec. 2020 16276-16281*
- Prototypes**
- Design and Testing of Low Pole Dual-Stator Flux-Switching Permanent Magnet Machine for Electric Vehicle Applications. *Liu, M.*, +, *TVT Feb. 2020 1464-1472*
- Public key cryptography**
- A Blockchain-Based Searchable Public-Key Encryption With Forward and Backward Privacy for Cloud-Assisted Vehicular Social Networks. *Chen, B.*, +, *TVT June 2020 5813-5825*
- An Efficient Decentralized Key Management Mechanism for VANET With Blockchain. *Ma, Z.*, +, *TVT June 2020 5836-5849*
- An Efficient Hybrid Signcryption Scheme With Conditional Privacy-Preservation for Heterogeneous Vehicular Communication in VANETs. *Ali, I.*, +, *TVT Oct. 2020 11266-11280*
- An Identity Management and Authentication Scheme Based on Redactable Blockchain for Mobile Networks. *Xu, J.*, +, *TVT June 2020 6688-6698*
- FBIA: A Fog-Based Identity Authentication Scheme for Privacy Preservation in Internet of Vehicles. *Song, L.*, +, *TVT May 2020 5403-5415*
- Full Session Key Agreement Scheme Based on Chaotic Map in Vehicular Ad Hoc Networks. *Cui, J.*, +, *TVT Aug. 2020 8914-8924*
- On the Design of Conditional Privacy Preserving Batch Verification-Based Authentication Scheme for Internet of Vehicles Deployment. *Sutrala, A.K.*, +, *TVT May 2020 5535-5548*
- Secure and Efficient Privacy-Preserving Authentication Scheme for 5G Software Defined Vehicular Networks. *Huang, J.*, +, *TVT Aug. 2020 8542-8554*
- Trust Management Scheme Based on Hybrid Cryptography for Secure Communications in VANETs. *Tangade, S.*, +, *TVT May 2020 5232-5243*
- Public transport**
- Simplified Model Predictive Thrust Control Based Arbitrary Two Voltage Vectors for Linear Induction Machines in Metro Transportation. *Zou, J.*, +, *TVT July 2020 7092-7103*

Public transportation

On Extracting Regular Travel Behavior of Private Cars Based on Trajectory Data Analysis. *Xiao, Z.*, +, *TVT Dec. 2020 14537-14549*

Pulse compression

OQAM-OFDM Radar Approximated IRCI-Free Pulse Compression. *Shi, Q.*, +, *TVT Sept. 2020 10009-10018*

Pulse position modulation

Design of a Superposition Coding PPM-DCSK System for Downlink Multi-User Transmission. *Ma, H.*, +, *TVT Feb. 2020 1666-1678*

Pumps

Modelling and Vibration Analysis of a Parallel Hydraulic Hybrid Vehicle. *Zhou, S.*, +, *TVT Oct. 2020 10710-10723*

Purchasing

Carpool for Big Data: Enabling Efficient Crowd Cooperation in Data Market for Pervasive AI. *Shi, Q.*, +, *TVT July 2020 7778-7789*

PWM power converters

Development of an Electric Vehicle Synchronous Reluctance Motor Drive. *Kumar, G.V.*, +, *TVT May 2020 5012-5024*

PWM rectifiers

Suppression Method of Current Harmonic for Three-Phase PWM Rectifier in EV Charging System. *Song, T.*, +, *TVT Sept. 2020 9634-9642*

Python

Demand-Aware Provisioning of Electric Vehicles Fast Charging Infrastructure. *Kabir, M.E.*, +, *TVT July 2020 6952-6963*

Q**Quadratic programming**

Convex Optimization-Based 2-D DOA Estimation With Enhanced Virtual Aperture and Virtual Snapshots Extension for L-Shaped Array. *Wu, R.*, +, *TVT June 2020 6473-6484*

Dual-Use Signal Design for Radar and Communication via Ambiguity Function Sidelobe Control. *Yang, J.*, +, *TVT Sept. 2020 9781-9794*

Efficient Pre-Conditioned Descent Search Detector for Massive MU-MIMO. *Zhang, C.*, +, *TVT May 2020 4663-4676*

Fuel Minimization of the Electric Engine Cooling System With Active Grille Shutter by Iterative Quadratic Programming. *Feng, L.*, +, *TVT March 2020 2621-2635*

Transceiver Design for AF MIMO Relay Systems With a Power Splitting Based Energy Harvesting Relay Node. *Li, B.*, +, *TVT March 2020 2376-2388*

Quadrature amplitude modulation

A Novel Drone's Height Control Algorithm for Throughput Optimization in Disaster Resilient Network. *Ishigami, M.*, +, *TVT Dec. 2020 16188-16190*

An Adaptive BLAST Successive Interference Cancellation Method for High Data Rate Perfect Space-Time Coded MIMO Systems. *Grabner, M.J.*, +, *TVT Feb. 2020 1542-1553*

Analysis of M-QAM Modulated Underwater Wireless Optical Communication System for Reconfigurable UOWSNs Employed in River Meets Ocean Scenario. *Uppalapati, A.*, +, *TVT Dec. 2020 15244-15252*

Bit Error Probability and Capacity Bound of OFDM Systems in Deterministic Doubly-Selective Channels. *Dominguez-Bolano, T.*, +, *TVT Oct. 2020 11458-11469*

Bit Error Probability of MQAM in the Presence of Phase Noise. *Jafari, H.*, +, *TVT Dec. 2020 14918-14931*

Blind Modulation Classification for Asynchronous OFDM Systems Over Unknown Signal Parameters and Channel Statistics. *Gupta, R.*, +, *TVT May 2020 5281-5292*

Link-Signature-Based Discriminatory Channel Estimation (LS-DCE) for Physical Layer Security in Stationary and Mobile OFDM Transceivers. *Albehadili, A.*, +, *TVT Aug. 2020 8119-8131*

Localization Error Bounds for 5G mmWave Systems Under I/Q Imbalance. *Ghaseminajm, F.*, +, *TVT July 2020 7971-7975*

On the Performance Analysis of Higher Order QAM Schemes Over Mixed RF/FSO Systems. *Singya, P.K.*, +, *TVT July 2020 7366-7378*

OQAM-OFDM Radar Approximated IRCI-Free Pulse Compression. *Shi, Q.*, +, *TVT Sept. 2020 10009-10018*

Preamble Power Optimization Based on Intrinsic Interference Utilization for OQAM/FBMC Channel Estimation. *Liu, W.*, +, *TVT Nov. 2020 13556-13566*

Precoding Optimization for Faster-Than-Nyquist Signaling With Probabilistic Shaping. *Kang, W.*, +, *TVT Oct. 2020 11470-11478*

Scalable Panoramic Wireless Video Streaming Relying on Optimal-Rate FEC-Coded Adaptive QAM. *Zhang, Y.*, +, *TVT Oct. 2020 11206-11219*

Short Prototype Filter Design for OQAM-FBMC Modulation. *Galdino, I.*, +, *TVT Aug. 2020 9163-9167*

Quadrature phase shift keying

Blind Modulation Classification for Asynchronous OFDM Systems Over Unknown Signal Parameters and Channel Statistics. *Gupta, R.*, +, *TVT May 2020 5281-5292*

Link-Signature-Based Discriminatory Channel Estimation (LS-DCE) for Physical Layer Security in Stationary and Mobile OFDM Transceivers. *Albehadili, A.*, +, *TVT Aug. 2020 8119-8131*

Quality assessment

Optimal-Power Superposition Modulation for Scalable Video Broadcasting. *Zhang, Y.*, +, *TVT Dec. 2020 16230-16234*

Quality of experience

A Hierarchical Buffer Management Approach to Rate Adaptation for 360-Degree Video Streaming. *Jiang, Z.*, +, *TVT Feb. 2020 2157-2170*

A Speed Adaptive Joint Subcarrier and Power Allocation Technique for Downlink OFDMA Video Transmission Over Doubly Selective Channels. *Raphel, F.*, +, *TVT Feb. 2020 1879-1887*

Adaptive Bitrate Video Streaming in Non-Orthogonal Multiple Access Networks. *Zhang, J.*, +, *TVT April 2020 3980-3993*

An Adaptive Wireless Virtual Reality Framework in Future Wireless Networks: A Distributed Learning Approach. *Guo, F.*, +, *TVT Aug. 2020 8514-8528*

An Online Buffer-Aware Resource Allocation Algorithm for Multiuser Mobile Video Streaming. *Huang, G.*, +, *TVT March 2020 3357-3369*

Dynamic Resource Allocation for Scalable Video Multirate Multicast Over Wireless Networks. *Chen, S.*, +, *TVT Sept. 2020 10227-10241*

Electromagnetic Radiation Reduction in 5G Networks and Beyond Using Thermal Radiation Mode. *Kour, H.*, +, *TVT Oct. 2020 11841-11856*

Energy Efficient Adaptive Video Streaming With Rotary-Wing UAV. *Zhan, C.*, +, *TVT July 2020 8040-8044*

Enhancing Video Streaming in Vehicular Networks via Resource Slicing. *Khan, H.*, +, *TVT April 2020 3513-3522*

Optimal Power and Bandwidth Allocation for Multiuser Video Streaming in UAV Relay Networks. *Chen, Y.*, +, *TVT June 2020 6644-6655*

Optimizing Live Layered Video Multicasting Over LTE With Mobile Edge Computing. *Hwang, R.*, +, *TVT Oct. 2020 12072-12084*

QoE Analysis in Cache-Enabled Multi-UAV Networks. *Bera, A.*, +, *TVT June 2020 6680-6687*

QoE-Aware Self-Tuning of Service Priority Factor for Resource Allocation Optimization in LTE Networks. *Uthansakul, P.*, +, *TVT Jan. 2020 887-900*

QoE-Driven Intelligent Handover for User-Centric Mobile Satellite Networks. *Xu, H.*, +, *TVT Sept. 2020 10127-10139*

QoE-Driven Transmission-Aware Cache Placement and Cooperative Beamforming Design in Cloud-RANs. *Sun, R.*, +, *TVT Jan. 2020 636-650*

QoS Optimisation of eMBB Services in Converged 5G-Satellite Networks. *de Cola, T.*, +, *TVT Oct. 2020 12098-12110*

Security Enhanced Content Sharing in Social IoT: A Directed Hypergraph-Based Learning Scheme. *Wang, B.*, +, *TVT April 2020 4412-4425*

Semi-Supervised Machine Learning Aided Anomaly Detection Method in Cellular Networks. *Lu, Y.*, +, *TVT Aug. 2020 8459-8467*

Smart Proactive Caching: Empower the Video Delivery for Autonomous Vehicles in ICN-Based Networks. *Zhang, Z.*, +, *TVT July 2020 7955-7965*

Quality of service

3D Drone Base Station Placement and Resource Allocation With FSO-Based Backhaul in Hotspots. *Zhang, S.*, +, *TVT March 2020 3322-3329*

A Critical MTC Resource Allocation Approach for LTE Networks With Finite Blocklength Codes. *Abdelsadek, M.Y.*, +, *TVT May 2020 5598-5609*

A Fully Distributed and Clustered Learning of Power Control in User-Centric Ultra-Dense HetNets. *Makhanbet, M.*, +, *TVT Oct. 2020 11529-11543*

- A Hierarchical Buffer Management Approach to Rate Adaptation for 360-Degree Video Streaming. *Jiang, Z.*, +, *TVT Feb. 2020 2157-2170*
- A Learning-Based Approach to Intra-Domain QoS Routing. *Yao, H.*, +, *TVT June 2020 6718-6730*
- A Two-Layered Incentive Scheme for Cooperation in Sliced 5G D2D Networks. *Sun, Q.*, +, *TVT Nov. 2020 13289-13304*
- A Two-Timescale Approach for Network Slicing in C-RAN. *Zhang, H.*, +, *TVT June 2020 6656-6669*
- A Unified Optimisation Framework for QoS Management and Congestion Control in VHTS Systems. *de Cola, T.*, +, *TVT Oct. 2020 11619-11631*
- Backscatter Communication Powered By Selective Relaying. *Li, D.*, *TVT Nov. 2020 14037-14042*
- Cellular Clustering-Based Interference-Aware Data Transmission Protocol for Underwater Acoustic Sensor Networks. *Zhang, J.*, +, *TVT March 2020 3217-3230*
- Channel-Aware Power Allocation and Decoding Order in Overlay Cognitive NOMA Networks. *Li, G.*, +, *TVT June 2020 6511-6524*
- Coded Caching for Smart Grid Enabled HetNets With Resource Allocation and Energy Cooperation. *Yin, F.*, +, *TVT Oct. 2020 12058-12071*
- DCE-Based Secure Transmission for Massive MIMO Relay System Against Active Eavesdropper. *Lu, X.*, +, *TVT Nov. 2020 13045-13059*
- Delay Violation Probability and Effective Rate of Downlink NOMA Over α - μ Fading Channels. *Kumar, V.*, +, *TVT Oct. 2020 11241-11252*
- Delay-Constrained Beamforming and Resource Allocation in Full Duplex Systems. *Kabir, M.T.*, +, *TVT March 2020 3476-3480*
- Distributed Beamforming in the Presence of Adversaries. *Kong, J.*, +, *TVT Sept. 2020 9682-9696*
- Dynamic Resource Allocation for Scalable Video Multirate Multicast Over Wireless Networks. *Chen, S.*, +, *TVT Sept. 2020 10227-10241*
- Electromagnetic Radiation Reduction in 5G Networks and Beyond Using Thermal Radiation Mode. *Kour, H.*, +, *TVT Oct. 2020 11841-11856*
- End-to-End Slicing With Optimized Communication and Computing Resource Allocation in Multi-Tenant 5G Systems. *Chien, H.*, +, *TVT Feb. 2020 2079-2091*
- Energy Efficient Parallel Concatenated Index Modulation and M -ary PSK Aided OFDM-DCSK Communications With QoS Consideration. *Liu, Z.*, +, *TVT Sept. 2020 9469-9482*
- Energy-Efficient Power Allocation and Q-Learning-Based Relay Selection for Relay-Aided D2D Communication. *Wang, X.*, +, *TVT June 2020 6452-6462*
- Energy-Efficient Resource Allocation for High-Rate Underlay D2D Communications With Statistical CSI: A One-to-Many Strategy. *Li, R.*, +, *TVT April 2020 4006-4018*
- Energy-Minimization Task Offloading and Resource Allocation for Mobile Edge Computing in NOMA Heterogeneous Networks. *Xu, C.*, +, *TVT Dec. 2020 16001-16016*
- Formal Verification and Performance Analysis of a New Data Exchange Protocol for Connected Vehicles. *Chouali, S.*, +, *TVT Dec. 2020 15385-15397*
- GCH-MV: Game-Enhanced Compensation Handover Scheme for Multipath TCP in 6G Software Defined Vehicular Networks. *Gao, K.*, +, *TVT Dec. 2020 16142-16154*
- Green Traffic Off-Loading Over Uncertain Shared Spectrums With End-to-End QoS Guarantee. *Li, X.*, +, *TVT Sept. 2020 9921-9937*
- Hierarchical Resource Allocation in Multi-Service Wireless Networks With Wireless Network Virtualization. *Han, Y.*, +, *TVT Oct. 2020 11811-11827*
- Impact of Prediction Errors on High Throughput Predictive Resource Allocation. *Guo, J.*, +, *TVT Sept. 2020 9984-9999*
- Joint Carrier-Code Index Modulation Aided M -Ary Differential Chaos Shift Keying System. *Cai, X.*, +, *TVT Dec. 2020 15486-15499*
- Joint Long-Term Admission Control and Beamforming in Green Downlink Networks: Offline and Online Approaches. *Lin, J.*, +, *TVT Aug. 2020 8710-8724*
- Joint Long-Term Energy Efficiency Optimization in C-RAN With Hybrid Energy Supply. *Xu, B.*, +, *TVT Oct. 2020 11128-11138*
- Joint Sparse Beamforming and Power Control for a Large-Scale DAS With Network-Assisted Full Duplex. *Xia, X.*, +, *TVT July 2020 7569-7582*
- Latency Minimization for D2D-Enabled Partial Computation Offloading in Mobile Edge Computing. *Saleem, U.*, +, *TVT April 2020 4472-4486*
- Learning-Based Multi-Channel Access in 5G and Beyond Networks With Fast Time-Varying Channels. *Wang, S.*, +, *TVT May 2020 5203-5218*
- Let's Share the Resource When We're Co-Located: Colocation Edge Computing. *Nguyen, M.N.H.*, +, *TVT May 2020 5618-5633*
- Location Based Joint Spectrum Sensing and Radio Resource Allocation in Cognitive Radio Enabled LTE-U Systems. *Yang, Q.*, +, *TVT March 2020 2967-2979*
- M-JAW: Mobility-Based Jamming Avoidance in Wireless Sensor Networks. *Misra, S.*, +, *TVT May 2020 5381-5390*
- Max-Min QoS Power Control in Generalized Cell-Free Massive MIMO-NOMA With Optimal Backhaul Combining. *Nguyen, T.K.*, +, *TVT Oct. 2020 10949-10964*
- Mobility Prediction Based Proactive Dynamic Network Orchestration for Load Balancing With QoS Constraint (OPERA). *Farooq, H.*, +, *TVT March 2020 3370-3383*
- Mobility-Aware Subband and Beam Resource Allocation Schemes for Millimeter Wave Wireless Networks. *Shen, L.*, +, *TVT Oct. 2020 11893-11908*
- Modeling and Analysis of the Downlink Local Delay in MEC-Based VANETs. *Wu, Y.*, +, *TVT June 2020 6619-6630*
- Modeling and Analysis of the Uplink Local Delay in MEC-Based VANETs. *Wu, Y.*, +, *TVT April 2020 3538-3549*
- Multi-Level Sequence-Based Frequency-Hopping in Multi-Cell Networks. *Zeng, Q.*, +, *TVT Dec. 2020 16282-16287*
- Multicast Beamforming Optimization in Cloud-Based Heterogeneous Terrestrial and Satellite Networks. *Zhang, H.*, +, *TVT Feb. 2020 1766-1776*
- Multiojective Beamforming Power Control for Robust SINR Target Tracking and Power Efficiency in Multicell MU-MIMO Wireless System. *Chen, W.*, +, *TVT June 2020 6200-6214*
- Novel Outage-Aware NOMA Protocol for Secrecy Fairness Maximization Among Untrusted Users. *Thapar, S.*, +, *TVT Nov. 2020 13259-13272*
- Novel QoS-Guaranteed Orchestration Scheme for Energy-Efficient Mobile Augmented Reality Applications in Multi-Access Edge Computing. *Ahn, J.*, +, *TVT Nov. 2020 13631-13645*
- On Delay-Aware Resource Control With Statistical QoS Provisioning By Dual Connectivity in Heterogeneous Aeronautical Network. *Wang, D.*, +, *TVT March 2020 2915-2927*
- On Optimal Beamforming Design for Downlink MISO NOMA Systems. *Zhu, J.*, +, *TVT March 2020 3008-3020*
- On the Multiplexing of Data and Metadata for Ultra-Reliable Low-Latency Communications in 5G. *Karimi, A.*, +, *TVT Oct. 2020 12136-12147*
- On the Performance Analysis of mmWave MIMO-NOMA Transmission Scheme. *Aghdam, M.R.G.*, +, *TVT Oct. 2020 11491-11500*
- Optimal Resource Allocation in Cellular Networks With H2H/M2M Coexistence. *Alhussien, N.*, +, *TVT Nov. 2020 12951-12962*
- Path Planning for UAV-Mounted Mobile Edge Computing With Deep Reinforcement Learning. *Liu, Q.*, +, *TVT May 2020 5723-5728*
- Performance Analysis of a Delay Constrained Data Offloading Scheme in an Integrated Cloud-Fog-Edge Computing System. *Fantacci, R.*, +, *TVT Oct. 2020 12004-12014*
- Physical Layer Multicasting in Massive MIMO Systems With Statistical CSIT. *Li, K.*, +, *TVT Feb. 2020 1651-1665*
- PLS-Based Secrecy Transmission for VANETs. *Song, H.*, +, *TVT July 2020 7596-7608*
- Power Allocation for Multiple User-Type Massive MIMO Systems. *Dao, H.T.*, +, *TVT Oct. 2020 10965-10974*
- Pricing Based Distributed Traffic Allocation for 5G Heterogeneous Networks. *Passas, V.*, +, *TVT Oct. 2020 12111-12123*
- QoE-Aware Self-Tuning of Service Priority Factor for Resource Allocation Optimization in LTE Networks. *Uthansakul, P.*, +, *TVT Jan. 2020 887-900*
- QoS Constrained Pilot Allocation Scheme for Massive MIMO Systems. *Qi, C.*, +, *TVT May 2020 5661-5665*
- QoS Guaranteed Edge Cloud Resource Provisioning for Vehicle Fleets. *Tang, G.*, +, *TVT June 2020 5889-5900*
- QoS Optimisation of eMBB Services in Converged 5G-Satellite Networks. *de Cola, T.*, +, *TVT Oct. 2020 12098-12110*

- Rate Maximization for Hybrid Access Femtocell Networks With Outage Constraints Based on Pricing Incentive Mechanism. *Liu, Z., +, TVT June 2020 6699-6708*
- Real-Time QoS Optimization for Vehicular Edge Computing With Off-Grid Roadside Units. *Ku, Y., +, TVT Oct. 2020 11975-11991*
- Research on Cognitive Power Allocation for Secure Millimeter-Wave NOMA Networks. *Song, Y., +, TVT Nov. 2020 13424-13436*
- Resource Allocation and Trajectory Optimization for QoE Provisioning in Energy-Efficient UAV-Enabled Wireless Networks. *Zeng, F., +, TVT July 2020 7634-7647*
- Resource Allocation for 5G-Enabled Vehicular Networks in Unlicensed Frequency Bands. *Li, P., +, TVT Nov. 2020 13546-13555*
- Resource Allocation for Cellular V2X Networks Mode-3 With Underlay Approach in LTE-V Standard. *Aslani, R., +, TVT Aug. 2020 8601-8612*
- Resource Allocation for Intelligent Reflecting Surface Aided Vehicular Communications. *Chen, Y., +, TVT Oct. 2020 12321-12326*
- Robust Secure Transmission and Power Transfer in Heterogeneous Networks With Confidential Information. *Liu, Z., +, TVT Oct. 2020 11192-11205*
- SDP-IGD: An Iterative Power Allocation Technique for Cluster-Based Multihop Vehicular Communications. *Alam, M.Z., +, TVT July 2020 7908-7915*
- Smoothing-Aided Support Vector Machine Based Nonstationary Video Traffic Prediction Towards B5G Networks. *Li, Y., +, TVT July 2020 7493-7502*
- Statistical Energy Efficiency Characterization for Wireless Transmission Over Fading Channels. *Yang, H., +, TVT Nov. 2020 13947-13951*
- Statistical Modelling of Dynamic Interference Threshold and Its Effect on Network Capacity. *Kachroo, A., +, TVT May 2020 5102-5114*
- Throughput Analysis of Low-Latency IoT Systems With QoS Constraints and Finite Blocklength Codes. *Hu, Y., +, TVT March 2020 3093-3104*
- Traffic Differentiated Clustering Routing in DSRC and C-V2X Hybrid Vehicular Networks. *Qi, W., +, TVT July 2020 7723-7734*
- UAV-Enabled Uplink Non-Orthogonal Multiple Access System: Joint Deployment and Power Control. *Lu, J., +, TVT Sept. 2020 10090-10102*
- When Network Slicing Meets Prospect Theory: A Service Provider Revenue Maximization Framework. *Fantacci, R., +, TVT March 2020 3179-3189*

Quantization (signal)

- A Generalized VAMP-Based Channel Estimator for Uplink Quantized Massive MIMO Systems. *Xiong, Y., TVT June 2020 6838-6842*
- Adaptive Federated Learning With Gradient Compression in Uplink NOMA. *Sun, H., +, TVT Dec. 2020 16325-16329*
- Design of Optimal Non-Uniform Quantizer in Imperfect Noisy Reporting Channels for Collaborative Spectrum Sensing. *Naderipour, M., +, TVT Nov. 2020 12870-12882*
- Efficient Hardware for Generalized Turbo Signal Recovery in Compressed Sensing. *Zhang, C., +, TVT Feb. 2020 1245-1256*
- Finite-Alphabet Signature Design for Grant-Free NOMA: A Quantized Deep Learning Approach. *Yu, H., +, TVT Oct. 2020 10975-10987*
- Multi-User Linear Precoding in Massively Distributed Polarized Antenna Systems Under Imperfect CSIT. *Park, J., +, TVT May 2020 5268-5280*
- Performance Analysis of Full-Duplex Massive MIMO Systems With Low-Resolution ADCs/DACs Over Rician Fading Channels. *Ding, Q., +, TVT July 2020 7389-7403*
- Performance Analysis of Hybrid Beamforming Precoders for Multiuser Millimeter Wave NOMA Systems. *Badrudeen, A.A., +, TVT Aug. 2020 8739-8752*
- Precoding Design and Optimization for Multi-Antenna Systems With Limited Feedback. *Zou, Y., TVT July 2020 7306-7316*
- Spatially Correlated Massive MIMO Relay Systems With Low-Resolution ADCs. *Dong, P., +, TVT June 2020 6541-6553*
- Stochastic Hybrid Combining Design for Quantized Massive MIMO Systems. *Wang, Y., +, TVT Dec. 2020 16224-16229*

Quantum cryptography

- An Efficient Security Scheme for Vehicular Communication Using a Quantum Secret Sharing Method. *Xiao, H., +, TVT Jan. 2020 1101-1105*

Query processing

- A Location Privacy-Preserving System Based on Query Range Cover-Up or Location-Based Services. *Wu, Z., +, TVT May 2020 5244-5254*

- Efficient and Secure Location-Based Services Scheme in VANET. *Yadav, V.K., +, TVT Nov. 2020 13567-13578*
- TCSC: A Novel File Distribution Strategy in Integrated LEO Satellite-Terrestrial Networks. *Yang, Z., +, TVT May 2020 5426-5441*
- Transparent and Accountable Vehicular Local Advertising With Practical Blockchain Designs. *Liu, D., +, TVT Dec. 2020 15694-15705*

Queueing theory

- A Critical MTC Resource Allocation Approach for LTE Networks With Finite Blocklength Codes. *Abdelsadek, M.Y., +, TVT May 2020 5598-5609*
- Analysis on Computation-Intensive Status Update in Mobile Edge Computing. *Kuang, Q., +, TVT April 2020 4353-4366*
- Buffer-Aided Secure Relay Networks With SWIPT. *Ren, J., +, TVT June 2020 6485-6499*
- Capacity-Aware Edge Caching in Fog Computing Networks. *Li, Q., +, TVT Aug. 2020 9244-9248*
- Distributed Stable Global Broadcasting for SINR-Based Multi-Channel Wireless Multi-Hop Networks. *Tian, X., +, TVT Sept. 2020 10202-10213*
- DwaRa: A Deep Learning-Based Dynamic Toll Pricing Scheme for Intelligent Transportation Systems. *Shukla, A., +, TVT Nov. 2020 12510-12520*
- Enhancing Video Streaming in Vehicular Networks via Resource Slicing. *Khan, H., +, TVT April 2020 3513-3522*
- Joint Long-Term Energy Efficiency Optimization in C-RAN With Hybrid Energy Supply. *Xu, B., +, TVT Oct. 2020 11128-11138*
- Network Slicing Enabled Resource Management for Service-Oriented Ultra-Reliable and Low-Latency Vehicular Networks. *Chen, Y., +, TVT July 2020 7847-7862*
- Performance Analysis of a Delay Constrained Data Offloading Scheme in an Integrated Cloud-Fog-Edge Computing System. *Fantacci, R., +, TVT Oct. 2020 12004-12014*
- Performance Analysis of an Edge Computing SaaS System for Mobile Users. *Bonadio, A., +, TVT Feb. 2020 2049-2057*
- Resource Cube: Multi-Virtual Resource Management for Integrated Satellite-Terrestrial Industrial IoT Networks. *Chen, D., +, TVT Oct. 2020 11963-11974*
- Response Delay Optimization in Mobile Edge Computing Enabled UAV Swarm. *Zhang, Q., +, TVT March 2020 3280-3295*
- Response-Time Analysis for Controller Area Networks With Randomly Occurring Messages. *Sato, R., +, TVT April 2020 3893-3902*
- Throughput Analysis of Low-Latency IoT Systems With QoS Constraints and Finite Blocklength Codes. *Hu, Y., +, TVT March 2020 3093-3104*

R

Radar

- A Dual-Functional Massive MIMO OFDM Communication and Radar Transmitter Architecture. *Temiz, M., +, TVT Dec. 2020 14974-14988*
- Joint MIMO Communication and MIMO Radar Under Different Practical Waveform Constraints. *He, X., +, TVT Dec. 2020 16342-16347*
- JRNet: Jamming Recognition Networks for Radar Compound Suppression Jamming Signals. *Qu, Q., +, TVT Dec. 2020 15035-15045*
- Performance of Joint Sensing-Communication Cooperative Sensing UAV Network. *Chen, X., +, TVT Dec. 2020 15545-15556*
- Semi-Blind Post-Equalizer SINR Estimation and Dual CSI Feedback for Radar-Cellular Coexistence. *Rao, R.M., +, TVT Sept. 2020 9720-9735*

Radar antennas

- A Dual-Functional Massive MIMO OFDM Communication and Radar Transmitter Architecture. *Temiz, M., +, TVT Dec. 2020 14974-14988*
- Analytical Estimation of Radiation Mode Radar Cross Section (RCS) of Phased Arrays. *Singh, A., +, TVT June 2020 6415-6421*
- Joint MIMO Communication and MIMO Radar Under Different Practical Waveform Constraints. *He, X., +, TVT Dec. 2020 16342-16347*
- Passive Radar at the Roadside Unit to Configure Millimeter Wave Vehicle-to-Infrastructure Links. *Ali, A., +, TVT Dec. 2020 14903-14917*

Radar clutter

- MIMO Radar Transmit-Receive Design for Moving Target Detection in Signal-Dependent Clutter. *Yu, X., +, TVT Jan. 2020 522-536*

Radar cross-sections

Analytical Estimation of Radiation Mode Radar Cross Section (RCS) of Phased Arrays. *Singh, A.*, +, *TVT June 2020 6415-6421*

Chipless RFID Infrastructure Based Self-Localization: Testbed Evaluation. *El-Absi, M.*, +, *TVT July 2020 7751-7761*

Radar detection

Dual-Use Signal Design for Radar and Communication via Ambiguity Function Sidelobe Control. *Yang, J.*, +, *TVT Sept. 2020 9781-9794*

Hypersonic Target Detection and Velocity Estimation in Coherent Radar System Based on Scaled Radon Fourier Transform. *Sun, Z.*, +, *TVT June 2020 6525-6540*

Joint Bi-Static Radar and Communications Designs for Intelligent Transportation. *Cao, N.*, +, *TVT Nov. 2020 13060-13071*

Joint Radar-Communication With Cyclic Prefixed Single Carrier Waveforms. *Zeng, Y.*, +, *TVT April 2020 4069-4079*

MIMO Radar Transmit-Receive Design for Moving Target Detection in Signal-Dependent Clutter. *Yu, X.*, +, *TVT Jan. 2020 522-536*

Radar Sensing-Throughput Tradeoff for Radar Assisted Cognitive Radio Enabled Vehicular Ad-Hoc Networks. *Huang, S.*, +, *TVT July 2020 7483-7492*

Radar imaging

OQAM-OFDM Radar Approximated IRCI-Free Pulse Compression. *Shi, Q.*, +, *TVT Sept. 2020 10009-10018*

Vision-Based Vehicle Detection for VideoSAR Surveillance Using Low-Rank Plus Sparse Three-Term Decomposition. *Zhang, Y.*, +, *TVT May 2020 4711-4726*

Radar interference

Blind Cancellation in Radar-Based Self Driving Vehicles. *Singh, R.*, +, *TVT July 2020 6977-6986*

Phase-Coded FMCW Automotive Radar: System Design and Interference Mitigation. *Uysal, F.*, *TVT Jan. 2020 270-281*

Suppression of Mainbeam Deceptive Jammer With FDA-MIMO Radar. *Lan, L.*, +, *TVT Oct. 2020 11584-11598*

Radar receivers

Radar Sensing-Throughput Tradeoff for Radar Assisted Cognitive Radio Enabled Vehicular Ad-Hoc Networks. *Huang, S.*, +, *TVT July 2020 7483-7492*

Radar resolution

Super Resolution DOA Based on Relative Motion for FMCW Automotive Radar. *Zhang, W.*, +, *TVT Aug. 2020 8698-8709*

Super-Resolution Range and Velocity Estimations With OFDM Integrated Radar and Communications Waveform. *Liu, Y.*, +, *TVT Oct. 2020 11659-11672*

Radar signal processing

Doppler Influence on Waveform Orthogonality in 79 GHz MIMO Phase-Coded Automotive Radar. *Overdevest, J.*, +, *TVT Jan. 2020 16-25*

Dual-Use Signal Design for Radar and Communication via Ambiguity Function Sidelobe Control. *Yang, J.*, +, *TVT Sept. 2020 9781-9794*

Enhancing the Orthogonality of Polyphase Signal With Multi-Pulse Joint Processing. *Bai, J.*, +, *TVT Sept. 2020 9656-9666*

High-Resolution Delay-Doppler Estimation Using Received Communication Signals for OFDM Radar-Communication System. *Sanson, J.B.*, +, *TVT Nov. 2020 13112-13123*

Joint 2D-DOD, 2D-DOA, and Polarization Angles Estimation for Bistatic EMVS-MIMO Radar via PARAFAC Analysis. *Wen, F.*, +, *TVT Feb. 2020 1626-1638*

Phase-Coded FMCW Automotive Radar: System Design and Interference Mitigation. *Uysal, F.*, *TVT Jan. 2020 270-281*

Suppression of Mainbeam Deceptive Jammer With FDA-MIMO Radar. *Lan, L.*, +, *TVT Oct. 2020 11584-11598*

Radar tracking

Multi-Sensor Multi-Vehicle (MSMV) Localization and Mobility Tracking for Autonomous Driving. *Yang, P.*, +, *TVT Dec. 2020 14355-14364*

Power and Bandwidth Allocation for Multi-Target Tracking in Collocated MIMO Radar. *Zhang, H.*, +, *TVT Sept. 2020 9795-9806*

Radar transmitters

OQAM-OFDM Radar Approximated IRCI-Free Pulse Compression. *Shi, Q.*, +, *TVT Sept. 2020 10009-10018*

Radial basis function networks

Adaptive Fault-Tolerant Control of Platoons With Guaranteed Traffic Flow Stability. *Guo, G.*, +, *TVT July 2020 6916-6927*

Fast Prediction Model of Coupling Coefficient Between Pantograph Arcing and GSM-R Antenna. *Song, Y.*, +, *TVT Oct. 2020 11612-11618*

Radio access networks

A Novel Approach for MBSFN Area Formation Aided by D2D Communications for eMBB Service Delivery in 5G NR Systems. *Rinaldi, F.*, +, *TVT Feb. 2020 2058-2070*

A Two-Timescale Approach for Network Slicing in C-RAN. *Zhang, H.*, +, *TVT June 2020 6656-6669*

Adaptive Bitrate Streaming in Wireless Networks With Transcoding at Network Edge Using Deep Reinforcement Learning. *Guo, Y.*, +, *TVT April 2020 3879-3892*

Analysis and Optimization of Cache-Enabled Fog Radio Access Networks: Successful Transmission Probability, Fractional Offloaded Traffic and Delay. *Jiang, Y.*, +, *TVT May 2020 5219-5231*

Cloud and Edge Multicast Beamforming for Cache-Enabled Ultra-Dense Networks. *Huang, W.*, +, *TVT March 2020 3481-3485*

Coalitional Games for Computation Offloading in NOMA-Enabled Multi-Access Edge Computing. *Pham, Q.*, +, *TVT Feb. 2020 1982-1993*

Edge Intelligence for Energy-Efficient Computation Offloading and Resource Allocation in 5G Beyond. *Dai, Y.*, +, *TVT Oct. 2020 12175-12186*

End-to-End Slicing With Optimized Communication and Computing Resource Allocation in Multi-Tenant 5G Systems. *Chien, H.*, +, *TVT Feb. 2020 2079-2091*

Finite-Alphabet Signature Design for Grant-Free NOMA: A Quantized Deep Learning Approach. *Yu, H.*, +, *TVT Oct. 2020 10975-10987*

HetMEC: Heterogeneous Multi-Layer Mobile Edge Computing in the 6 G Era. *Zhang, Y.*, +, *TVT April 2020 4388-4400*

Hierarchical Offloading for Delay-Constrained Applications in Fog RAN. *Guo, K.*, +, *TVT April 2020 4257-4270*

Joint Long-Term Energy Efficiency Optimization in C-RAN With Hybrid Energy Supply. *Xu, B.*, +, *TVT Oct. 2020 11128-11138*

Jointly Optimized 3D Drone Mounted Base Station Deployment and User Association in Drone Assisted Mobile Access Networks. *Sun, X.*, +, *TVT Feb. 2020 2195-2203*

Learning Based Joint Cache and Power Allocation in Fog Radio Access Networks. *Rahman, G.M.S.*, +, *TVT April 2020 4401-4411*

Low-Latency Segmented List-Pruning Software Polar List Decoder. *Shen, Y.*, +, *TVT April 2020 3575-3589*

Mode Selection and Resource Allocation in Sliced Fog Radio Access Networks: A Reinforcement Learning Approach. *Xiang, H.*, +, *TVT April 2020 4271-4284*

Optimization of Multitenant Radio Admission Control Through a Semi-Markov Decision Process. *Perez-Romero, J.*, +, *TVT Jan. 2020 862-875*

Optimizing Live Layered Video Multicasting Over LTE With Mobile Edge Computing. *Hwang, R.*, +, *TVT Oct. 2020 12072-12084*

Performance Analysis of NOMA Enabled Hybrid Network With Limited Feedback. *Swami, P.*, +, *TVT April 2020 4516-4521*

Pricing Based Distributed Traffic Allocation for 5G Heterogeneous Networks. *Passas, V.*, +, *TVT Oct. 2020 12111-12123*

Private Uplink Communication in C-RAN With Untrusted Radios. *Taghizadeh, O.*, +, *TVT July 2020 8034-8039*

QoE-Driven Transmission-Aware Cache Placement and Cooperative Beamforming Design in Cloud-RANs. *Sun, R.*, +, *TVT Jan. 2020 636-650*

Remote Radio Head Activation and User Association in Dense C-RANs. *Wu, Z.*, +, *TVT Oct. 2020 12216-12228*

Simultaneous Wireless Content and Power Transfer in F-RAN: Caching, eRRH Classification and Beamforming. *Hu, J.*, +, *TVT Nov. 2020 12992-13004*

Space-Domain Index Modulation for mmWave Cloud Radio Access Networks. *Luo, S.*, +, *TVT June 2020 6215-6229*

Spatial Filtering Based Random Access for Machine-Type Communications in Massive MIMO Cellular Networks. *He, Y.*, +, *TVT Oct. 2020 11479-11490*

User Assisted Dynamic RAN Notification Area Configuration Scheme Based on Delay Sensitivity for 5G Inactive UEs. *Huang, X.*, +, *TVT March 2020 2671-2683*

Utility Analysis of Radio Access Network Slicing. *Zhou, G.*, +, *TVT Jan. 2020 1163-1167*

Radio broadcasting

Distributed Stable Global Broadcasting for SINR-Based Multi-Channel Wireless Multi-Hop Networks. *Tian, X.*, +, *TVT Sept. 2020 10202-10213*

Sum-Throughput Maximization Based on the Significance and Fairness of Sensors for Energy and Information Transfer in Virtual MIMO-WBAN. *Wang, T.*, +, *TVT Nov. 2020 13400-13409*

Radio direction-finding

Accurate Indoor Localization Assisted With Optimizing Array Orientations and Receiver Positions. *Sheng, M.*, +, *TVT Jan. 2020 509-521*

PRSRTI: A Novel Device-Free Localization Method Using Phase Response Shift Based Radio Tomography Imaging. *Ma, Y.*, +, *TVT Nov. 2020 13812-13820*

Radio equipment

Hybrid Analog-Digital Beamforming Design for SE and EE Maximization in Massive MIMO Networks. *Ardah, K.*, +, *TVT Jan. 2020 377-389*

Target Localization With Jammer Removal Using Frequency Diverse Array. *Liu, Q.*, +, *TVT Oct. 2020 11685-11696*

Radio frequency

Long-Term Channel Statistic Estimation for Highly-Mobile Hybrid MmWave Multi-User MIMO Systems. *Yu, J.*, +, *TVT Dec. 2020 14277-14289*

Optimal Non-Coherent Detector for Ambient Backscatter Communication System. *Guruacharya, S.*, +, *TVT Dec. 2020 16197-16201*

Optimal Resource Allocation for RF-Powered Underlay Cognitive Radio Networks With Ambient Backscatter Communication. *Zhuang, Y.*, +, *TVT Dec. 2020 15216-15228*

RF Fingerprinting Unmanned Aerial Vehicles With Non-Standard Transmitter Waveforms. *Soltani, N.*, +, *TVT Dec. 2020 15518-15531*

Stochastic Hybrid Combining Design for Quantized Massive MIMO Systems. *Wang, Y.*, +, *TVT Dec. 2020 16224-16229*

Stochastic Targets Monitoring in Wireless Powered Sensor Networks. *Fei, J.*, +, *TVT Dec. 2020 15908-15919*

Radio links

A Distributed Link Scheduler for In-Band Full Duplex Wireless Networks. *Ren, Y.*, +, *TVT May 2020 5255-5267*

A Resource Sharing Scheme for Intercell D2D Communication in Cellular Networks: A Repeated Game Theoretic Approach. *Barik, P.K.*, +, *TVT July 2020 7806-7820*

Adaptive Channel Prediction, Beamforming and Scheduling Design for 5G V2I Network: Analytical and Machine Learning Approaches. *Bogale, T.E.*, +, *TVT May 2020 5055-5067*

Beamformed Radio Link Capacity Under Positioning Uncertainty. *Talvitie, J.*, +, *TVT Dec. 2020 16235-16240*

Beyond Intelligent Reflecting Surfaces: Reflective-Transmissive Metasurface Aided Communications for Full-Dimensional Coverage Extension. *Zhang, S.*, +, *TVT Nov. 2020 13905-13909*

Caching Placement and Resource Allocation for Cache-Enabling UAV NOMA Networks. *Zhang, T.*, +, *TVT Nov. 2020 12897-12911*

Characterizing Radio Wave Propagation in Urban Street Canyon With Vehicular Blockage at 28 GHz. *Solomitckii, D.*, +, *TVT Feb. 2020 1227-1236*

Delay-Constrained Beamforming and Resource Allocation in Full Duplex Systems. *Kabir, M.T.*, +, *TVT March 2020 3476-3480*

Distributed Utility Optimization in Vehicular Communication Systems. *Diaz-Ibarra, M.A.*, +, *TVT Oct. 2020 11992-12003*

Energy-Efficient and Secure Air-to-Ground Communication With Jittering UAV. *Wu, H.*, +, *TVT April 2020 3954-3967*

Experimental Study on the Impact of Antenna Characteristics on Non-Stationary V2I Channel Parameters in Tunnels. *Yusuf, M.*, +, *TVT Nov. 2020 12396-12407*

Fast Adaptive Minorization-Maximization Procedure for Beamforming Design of Downlink NOMA Systems. *Lyons, O.*, +, *TVT July 2020 8023-8027*

Intelligent User-Centric Networks: Learning-Based Downlink CoMP Region Breathing. *Wang, L.*, +, *TVT May 2020 5583-5597*

Joint Unmanned Aerial Vehicle (UAV) Deployment and Power Control for Internet of Things Networks. *Fu, S.*, +, *TVT April 2020 4367-4378*

Latency Constrained Non-Orthogonal Packets Scheduling With Finite Blocklength Codes. *Xu, Y.*, +, *TVT Oct. 2020 12312-12316*

Link Reliability-Based Adaptive Routing for Multilevel Vehicular Networks. *Xu, C.*, +, *TVT Oct. 2020 11771-11785*

Mixed RF-VLC Relaying Systems for Interference-Sensitive Mobile Applications. *Petkovic, M.I.*, +, *TVT Oct. 2020 11099-11111*

Multi-Beam Index Modulation With Cooperative Legitimate Users Schemes Based on Frequency Diverse Array. *Qiu, B.*, +, *TVT Oct. 2020 11028-11041*

On the Performance of RIS-Assisted Dual-Hop UAV Communication Systems. *Yang, L.*, +, *TVT Sept. 2020 10385-10390*

On Throughput Optimization and Bound Analysis in Cache-Enabled Fiber-Wireless Networks. *Gu, Z.*, +, *TVT Aug. 2020 9068-9082*

Oversampling Based Analog Beamforming for Initial Access With a Large Number of Receive Antennas. *Wang, X.*, +, *TVT Aug. 2020 8613-8626*

Propagation Measurements and Modeling for Low Altitude UAVs From 1 to 24 GHz. *Briso, C.*, +, *TVT March 2020 3439-3443*

PRSRTI: A Novel Device-Free Localization Method Using Phase Response Shift Based Radio Tomography Imaging. *Ma, Y.*, +, *TVT Nov. 2020 13812-13820*

Secrecy Performance Analysis of RIS-Aided Wireless Communication Systems. *Yang, L.*, +, *TVT Oct. 2020 12296-12300*

Smart Grid Network With D2D Communication and Coherent PLC: Error Analysis. *Dash, S.P.*, +, *TVT Jan. 2020 1051-1054*

Spatial Modulation for Terahertz Communication Systems With Hardware Impairments. *Mao, T.*, +, *TVT April 2020 4553-4557*

State-Aware Rate Adaptation for UAVs by Incorporating On-Board Sensors. *He, S.*, +, *TVT Jan. 2020 488-496*

Stochastic Geometry Based Performance Characterization of SWIPT in Cell-Free Massive MIMO. *Kusaladharma, S.*, +, *TVT Nov. 2020 13357-13370*

Sub-Channel Allocation for Full-Duplex Access and Device-to-Device Links Underlaying Heterogeneous Cellular Networks Using Coalition Formation Games. *Chen, Y.*, +, *TVT Sept. 2020 9736-9749*

Sum-Rate Maximization of Multicell MISO Networks With Limited Information Exchange. *Kim, Y.*, +, *TVT July 2020 7247-7263*

Traffic Differentiated Clustering Routing in DSRC and C-V2X Hybrid Vehicular Networks. *Qi, W.*, +, *TVT July 2020 7723-7734*

Uplinks Schedulers for RF-Energy Harvesting Networks With Imperfect CSI. *Liu, Y.*, +, *TVT April 2020 4233-4245*

Radio networks

A Distributed Link Scheduler for In-Band Full Duplex Wireless Networks. *Ren, Y.*, +, *TVT May 2020 5255-5267*

A Novel Graphics-Based Multi-Epoch Power Adjustment Strategy for WPCNs. *Wang, T.*, +, *TVT Nov. 2020 14093-14098*

Accurate Analytical-Based Multi-Hop Localization With Low Energy Consumption for Irregular Networks. *Yan, X.*, +, *TVT Feb. 2020 2021-2033*

Adaptive Relay Selection Strategies for Cooperative NOMA Networks With User and Relay Cooperation. *Li, G.*, +, *TVT Oct. 2020 11728-11742*

An Optimal Policy for Hybrid Channel Access in Cognitive Radio Networks With Energy Harvesting. *Tayel, A.F.*, +, *TVT Oct. 2020 11253-11265*

AoI-Optimal Joint Sampling and Updating for Wireless Powered Communication Systems. *Abd-Elmagid, M.A.*, +, *TVT Nov. 2020 14110-14115*

Beamwidth Design for Beam Scanning in Millimeter-Wave Cellular Networks. *Fan, J.*, +, *TVT Jan. 2020 1111-1116*

Coded Caching for Smart Grid Enabled HetNets With Resource Allocation and Energy Cooperation. *Yin, F.*, +, *TVT Oct. 2020 12058-12071*

Content-Centric Heterogeneous Fog Networks Relying on Energy Efficiency Optimization. *Wang, K.*, +, *TVT Nov. 2020 13579-13592*

Covert Communication Using Null Space and 3D Beamforming: Uncertainty of Willie's Location Information. *Forouzes, M.*, +, *TVT Aug. 2020 8568-8576*

Deep Neural Network for Resource Management in NOMA Networks. *Yang, N.*, +, *TVT Jan. 2020 876-886*

- Deep Reinforcement Learning-Based Resource Allocation and Power Control in Small Cells With Limited Information Exchange. *Jang, J.*, +, *TVT Nov. 2020 13768-13783*
- Delay-Aware Resource Management for Multi-Service Coexisting LTE-D2D Networks With Wireless Network Virtualization. *Han, Y.*, +, *TVT July 2020 7339-7353*
- Design of Optimal Non-Uniform Quantizer in Imperfect Noisy Reporting Channels for Collaborative Spectrum Sensing. *Naderipour, M.*, +, *TVT Nov. 2020 12870-12882*
- Distributed Beamforming in the Presence of Adversaries. *Kong, J.*, +, *TVT Sept. 2020 9682-9696*
- Distributive Throughput Optimization for Massive Random Access of M2M Communications in LTE Networks. *Zhang, C.*, +, *TVT Oct. 2020 11828-11840*
- Energy and Social Cost Minimization for Data Dissemination in Wireless Networks: Centralized and Decentralized Approaches. *Mousavi, M.*, +, *TVT May 2020 5521-5534*
- Energy-Efficient Channel Switching in Cognitive Radio Networks: A Reinforcement Learning Approach. *Ding, H.*, +, *TVT Oct. 2020 12359-12362*
- Estimation of Time Duration for Using the Allocated LoRa Spreading Factor: A Game-Theory Approach. *Kumari, P.*, +, *TVT Oct. 2020 11090-11098*
- Generalized MGF of Inverse Gaussian Distribution With Applications to Wireless Communications. *Gong, J.*, +, *TVT Feb. 2020 2332-2336*
- Hierarchical Resource Allocation in Multi-Service Wireless Networks With Wireless Network Virtualization. *Han, Y.*, +, *TVT Oct. 2020 11811-11827*
- Importance-Aware Data Selection and Resource Allocation in Federated Edge Learning System. *He, Y.*, +, *TVT Nov. 2020 13593-13605*
- Incremental Decode-and-Forward Protocols for D2D Communication: A Diversity-Multiplexing-Tradeoff Perspective. *Yang, T.*, +, *TVT Nov. 2020 13927-13931*
- Integrating Broadcasting and NOMA in Full-Duplex Buffer-Aided Opportunistic Relay Networks. *Nomikos, N.*, +, *TVT Aug. 2020 9157-9162*
- Joint Channel Allocation and Resource Management for Stochastic Computation Offloading in MEC. *Ren, J.*, +, *TVT Aug. 2020 8900-8913*
- Joint OAM Multiplexing and OFDM in Sparse Multipath Environments. *Liang, L.*, +, *TVT April 2020 3864-3878*
- Latency-Based Transmission Point Selection Algorithms in Wireless Networks. *Kim, E.*, +, *TVT Nov. 2020 14072-14077*
- Mobility-Aware Subband and Beam Resource Allocation Schemes for Millimeter Wave Wireless Networks. *Shen, L.*, +, *TVT Oct. 2020 11893-11908*
- Multi-Beam NOMA for Millimeter-Wave Massive MIMO With Lens Antenna Array. *Liu, P.*, +, *TVT Oct. 2020 11570-11583*
- Multi-Panel Sparse Base Station Design With Physical Antenna Effects in Massive MU-MIMO. *Amani, N.*, +, *TVT June 2020 6500-6510*
- Neural Network-Based Relay Selection in Two-Way SWIPT-Enabled Cognitive Radio Networks. *Zhang, Z.*, +, *TVT June 2020 6264-6274*
- Novel Outage-Aware NOMA Protocol for Secrecy Fairness Maximization Among Untrusted Users. *Thapar, S.*, +, *TVT Nov. 2020 13259-13272*
- On Throughput Optimization and Bound Analysis in Cache-Enabled Fiber-Wireless Networks. *Gu, Z.*, +, *TVT Aug. 2020 9068-9082*
- Optimal Resource Allocation for Multicarrier NOMA in Short Packet Communications. *Chen, J.*, +, *TVT Feb. 2020 2141-2156*
- Optimal Resource Allocation in Ground Wireless Networks Supporting Unmanned Aerial Vehicle Transmissions. *Hu, Y.*, +, *TVT Aug. 2020 8972-8984*
- Performance Analysis and Cell Association Design for Drone-Assisted Heterogeneous Networks. *Sun, H.*, +, *TVT Nov. 2020 13741-13755*
- Performance Analysis and Optimization of Bidirectional Overlay Cognitive Radio Networks With Hybrid-SWIPT. *Prathima, A.*, +, *TVT Nov. 2020 13467-13481*
- Power Allocation Based on Reinforcement Learning for MIMO System With Energy Harvesting. *Mu, X.*, +, *TVT July 2020 7622-7633*
- Power Splitting-Based SWIPT Systems With Full-Duplex Jamming. *Ma, R.*, +, *TVT Sept. 2020 9822-9836*
- Receive Beamforming and Resource Allocation for Wireless Powered Non-Orthogonal Multiple Access. *Lee, C.*, +, *TVT April 2020 4563-4568*
- Research on Cognitive Power Allocation for Secure Millimeter-Wave NOMA Networks. *Song, Y.*, +, *TVT Nov. 2020 13424-13436*
- Resource Allocation and Trajectory Optimization for QoE Provisioning in Energy-Efficient UAV-Enabled Wireless Networks. *Zeng, F.*, +, *TVT July 2020 7634-7647*
- Resource Allocation for Multi-Tenant Network Slicing: A Multi-Leader Multi-Follower Stackelberg Game Approach. *Tran, T.D.*, +, *TVT Aug. 2020 8886-8899*
- Resources Allocation at the Physical Layer for Network Function Virtualization Deployment. *Xie, N.*, +, *TVT March 2020 2771-2784*
- Robust Secure Transmission and Power Transfer in Heterogeneous Networks With Confidential Information. *Liu, Z.*, +, *TVT Oct. 2020 11192-11205*
- Secrecy Outage and Diversity Analysis of Multiple Cooperating Source-Destination Pairs. *Ding, X.*, +, *TVT July 2020 7648-7662*
- Secure Transmission via Power Allocation in NOMA-UAV Networks With Circular Trajectory. *Chen, X.*, +, *TVT Sept. 2020 10033-10045*
- Spatial Modulation for Terahertz Communication Systems With Hardware Impairments. *Mao, T.*, +, *TVT April 2020 4553-4557*
- State-Aware Rate Adaptation for UAVs by Incorporating On-Board Sensors. *He, S.*, +, *TVT Jan. 2020 488-496*
- Statistical Energy Efficiency Characterization for Wireless Transmission Over Fading Channels. *Yang, H.*, +, *TVT Nov. 2020 13947-13951*
- Throughput Maximization With Rate-Dependent Power Consumption in Battery-Limited Multiuser Networks. *Zhao, J.*, +, *TVT Jan. 2020 1141-1146*
- UAV-Assisted Cooperative Communications With Time-Sharing Information and Power Transfer. *Yin, S.*, +, *TVT Feb. 2020 1554-1567*
- Uplink Performance Improvement for Downlink-Uplink Decoupled HetNets With Non-Uniform User Distribution. *Sun, K.*, +, *TVT July 2020 7518-7530*
- Whale Optimization Algorithm With Applications to Resource Allocation in Wireless Networks. *Pham, Q.*, +, *TVT April 2020 4285-4297*
- Radio receivers**
- A Multi-Tone Amplitude Modulation Scheme for Wireless Information and Power Transfer. *Im, C.*, +, *TVT Jan. 2020 1147-1151*
- Adaptive Mode Selection for Backscatter-Assisted Communication Systems With Opportunistic SIC. *Li, D.*, +, *TVT Feb. 2020 2327-2331*
- An Anti-Eavesdropping Strategy for Precoding-Aided Spatial Modulation With Rough CSI of Eve. *Xia, G.*, +, *TVT Feb. 2020 2343-2347*
- Angular-Domain Channel Estimation for One-Bit Massive MIMO Systems: Performance Bounds and Algorithms. *Liu, F.*, +, *TVT March 2020 2928-2942*
- Antenna Selection for Improving Energy Efficiency in XL-MIMO Systems. *Marinello, J.C.*, +, *TVT Nov. 2020 13305-13318*
- Bayesian Receiver Design for Grant-Free NOMA With Message Passing Based Structured Signal Estimation. *Zhang, Y.*, +, *TVT Aug. 2020 8643-8656*
- Bit Error Probability and Capacity Bound of OFDM Systems in Deterministic Doubly-Selective Channels. *Dominguez-Bolano, T.*, +, *TVT Oct. 2020 11458-11469*
- Capacity and Outage of Terahertz Communications With User Micro-Mobility and Beam Misalignment. *Petrov, V.*, +, *TVT June 2020 6822-6827*
- Characterization and Performance Improvement of Cooperative Wireless Networks With Nonlinear Power Amplifier at Relay. *Majidi, M.*, +, *TVT March 2020 3244-3255*
- Characterizing Radio Wave Propagation in Urban Street Canyon With Vehicular Blockage at 28 GHz. *Solomütkii, D.*, +, *TVT Feb. 2020 1227-1236*
- Decentralized Signal Detection via Expectation Propagation Algorithm for Uplink Massive MIMO Systems. *Zhang, Z.*, +, *TVT Oct. 2020 11233-11240*
- Deep Artificial Noise: Deep Learning-Based Precoding Optimization for Artificial Noise Scheme. *Yun, S.*, +, *TVT March 2020 3465-3469*
- Delayed Bit Interleaved Coded Sparse Code Multiple Access. *Mheich, Z.*, +, *TVT July 2020 8018-8022*
- Direct Data Detection of OFDM Signals Over Wireless Channels. *Saci, A.*, +, *TVT Nov. 2020 12432-12448*

- Down-Link NOMA Networks in the Presence of IQI and Imperfect SIC: Receiver Design and Performance Analysis. *Alsmadi, M.M.*, +, *TVT June 2020 6793-6797*
- Efficient Receiver Design for Uplink Cell-Free Massive MIMO With Hardware Impairments. *Zheng, J.*, +, *TVT April 2020 4537-4541*
- Energy and Social Cost Minimization for Data Dissemination in Wireless Networks: Centralized and Decentralized Approaches. *Mousavi, M.*, +, *TVT May 2020 5521-5534*
- Energy Efficiency for RF-Powered Backscatter Networks Using HTT Protocol. *Shi, L.*, +, *TVT Nov. 2020 13932-13936*
- Enhancing Misbehavior Detection in 5G Vehicle-to-Vehicle Communications. *Nguyen, V.*, +, *TVT Sept. 2020 9417-9430*
- Extensionless Adaptive Transmitter and Receiver Windowing of Beyond 5G Frames. *Pekoz, B.*, +, *TVT Feb. 2020 1888-1902*
- Fairness-Aware Intragroup Cooperative Transmission in Wireless Powered Communication Networks. *Mao, Z.*, +, *TVT June 2020 6463-6472*
- Feedbackless Relaying for Enhancing Reliability of Connected Vehicles. *Ali, G.G.M.N.*, +, *TVT May 2020 4621-4634*
- Full-Duplex Amplify-and-Forward Relaying Under I/Q Imbalance. *Samara, L.*, +, *TVT July 2020 7966-7970*
- Full-Duplex Non-Orthogonal Multiple Access Cooperative Spectrum-Sharing Networks With Non-Linear Energy Harvesting. *Hakimi, A.*, +, *TVT Oct. 2020 10925-10936*
- Improving Massive MIMO Message Passing Detectors With Deep Neural Network. *Tan, X.*, +, *TVT Feb. 2020 1267-1280*
- Index Coding in Vehicle to Vehicle Communication. *Pachat, J.*, +, *TVT Oct. 2020 11926-11936*
- Information-Energy Region for SWIPT Networks in Mobility Scenarios. *Jiang, R.*, +, *TVT July 2020 7264-7280*
- Inside-Out Precoding to Manage Multiple Interferences From the Same Source. *Li, Z.*, +, *TVT July 2020 7583-7595*
- Iterative Processing Structure for the Single-Channel Mixture of Digital-Modulated Adjacent-Frequency Source Signals. *Yang, Y.*, +, *TVT Feb. 2020 1639-1650*
- Joint 3D Trajectory Design and Time Allocation for UAV-Enabled Wireless Power Transfer Networks. *Feng, W.*, +, *TVT Sept. 2020 9265-9278*
- Joint Compensation of Transmitter and Receiver I/Q Imbalances for SC-FDE Systems. *Cheng, X.*, +, *TVT Aug. 2020 8483-8498*
- Non-Redundant OFDM Receiver Windowing for 5G Frames and Beyond. *Pekoz, B.*, +, *TVT Jan. 2020 676-684*
- On the Effective Rate and Energy Detection Based Spectrum Sensing Over α - η - κ - μ Fading Channels. *Al-Hmood, H.*, +, *TVT Aug. 2020 9112-9116*
- Pilot Design and Allocation for Multi-Cell Massive MIMO Systems With Two-Tier Receiving. *Hu, A.*, *TVT July 2020 7443-7457*
- Power Splitting-Based SWIPT Systems With Full-Duplex Jamming. *Ma, R.*, +, *TVT Sept. 2020 9822-9836*
- Reduced Complexity Sparse Recovery Detectors for Differential Space Shift Keying MIMO System. *Alshawaqfeh, M.*, +, *TVT April 2020 4558-4562*
- Secrecy Rate Maximization via Radio Resource Allocation in Cellular Underlying V2V Communications. *Liu, Y.*, +, *TVT July 2020 7281-7294*
- Secure Single-Input-Multiple-Output Media-Based Modulation. *Mao, T.*, +, *TVT April 2020 4105-4117*
- Secure Spatial Modulation via Radio Frequency Mirrors. *Luo, J.*, +, *TVT Aug. 2020 9168-9173*
- Smart Grid Network With D2D Communication and Coherent PLC: Error Analysis. *Dash, S.P.*, +, *TVT Jan. 2020 1051-1054*
- Tensor Communication Waveform Design With Semi-Blind Receiver in the MIMO System. *Dou, Z.*, +, *TVT Feb. 2020 1727-1740*
- Threshold-Based Edge Selection MPA for SCMA. *Silva, B.F.d.*, +, *TVT March 2020 2957-2966*
- Transient Performance Limits for Ultra-Reliable Low-Latency Communications Over Fading Channels. *Yang, H.*, +, *TVT Nov. 2020 13970-13973*
- UWB Receiver via Deep Learning in MUI and ISI Scenarios. *Sharma, S.*, +, *TVT March 2020 3496-3499*
- When to Realign the Receive Beam in High Mobility V2X Communications?. *Kang, Y.*, +, *TVT Nov. 2020 13180-13195*
- Radio reception**
- Joint Uplink/Downlink Discrete Sum Rate Maximization for Full-Duplex Multicell Heterogeneous Networks. *Li, Q.*, +, *TVT March 2020 2758-2770*
- Radio spectrum management**
- A Model-Driven Deep Reinforcement Learning Heuristic Algorithm for Resource Allocation in Ultra-Dense Cellular Networks. *Liao, X.*, +, *TVT Jan. 2020 983-997*
- Analysis of Clustered Licensed-Assisted Access in Unlicensed Spectrum. *Hu, Z.*, +, *TVT Jan. 2020 349-360*
- Convert Harm Into Benefit: A Coordination-Learning Based Dynamic Spectrum Anti-Jamming Approach. *Xu, Y.*, +, *TVT Nov. 2020 13018-13032*
- Cooperative Scheduling for Pilot Reuse in Massive MIMO Systems. *Hua, Y.*, +, *TVT Nov. 2020 12857-12869*
- Design and Analysis of Multi-User Association and Beam Training Schemes for Millimeter Wave Based WLANs. *Shen, L.*, +, *TVT July 2020 7458-7472*
- Design of Optimal Non-Uniform Quantizer in Imperfect Noisy Reporting Channels for Collaborative Spectrum Sensing. *Naderipour, M.*, +, *TVT Nov. 2020 12870-12882*
- Effect of Impulsive Noise on Uplink NOMA Systems. *Selim, B.*, +, *TVT March 2020 3454-3458*
- Efficient Design of Selective Mapping and Partial Transmit Sequence Using T-OFDM. *Ahmed, M.S.*, +, *TVT March 2020 2636-2648*
- Energy- and Spectral-Efficiency Tradeoff With α -Fairness in Energy Harvesting D2D Communication. *Kuang, Z.*, +, *TVT Sept. 2020 9972-9983*
- Energy-Efficient Power Allocation and User Selection for mmWave-NOMA Transmission in M2M Communications Underlying Cellular Heterogeneous Networks. *Sobhi-Givi, S.*, +, *TVT Sept. 2020 9866-9881*
- Fast Beam Training Architecture for Hybrid mmWave Transceivers. *Yang, J.*, +, *TVT March 2020 2700-2715*
- Full-Duplex Non-Orthogonal Multiple Access Cooperative Spectrum-Sharing Networks With Non-Linear Energy Harvesting. *Hakimi, A.*, +, *TVT Oct. 2020 10925-10936*
- Green Traffic Off-Loading Over Uncertain Shared Spectrums With End-to-End QoS Guarantee. *Li, X.*, +, *TVT Sept. 2020 9921-9937*
- Hybrid Analog-Digital Beamforming Design for SE and EE Maximization in Massive MIMO Networks. *Ardah, K.*, +, *TVT Jan. 2020 377-389*
- Hybrid Combining Based on Constant Phase Shifters and Active/Inactive Switches. *Bahingayi, E.E.*, +, *TVT April 2020 4058-4068*
- Impact of Battery Charging on Spectrum Sensing of CRN With Energy Harvesting. *Zheng, K.*, +, *TVT July 2020 7545-7557*
- Intelligent Reflecting Surface Aided MIMO Cognitive Radio Systems. *Zhang, L.*, +, *TVT Oct. 2020 11445-11457*
- Joint Mode Selection and Power Control for Interference Management in D2D-Enabled Heterogeneous Cellular Networks. *Liu, X.*, +, *TVT Sept. 2020 9707-9719*
- Jointly Optimized 3D Drone Mounted Base Station Deployment and User Association in Drone Assisted Mobile Access Networks. *Sun, X.*, +, *TVT Feb. 2020 2195-2203*
- Latency Minimization for D2D-Enabled Partial Computation Offloading in Mobile Edge Computing. *Saleem, U.*, +, *TVT April 2020 4472-4486*
- Learn to Coloring: Fast Response to Perturbation in UAV-Assisted Disaster Relief Networks. *Wang, B.*, +, *TVT March 2020 3505-3509*
- Leveraging Dynamic Stackelberg Pricing Game for Multi-Mode Spectrum Sharing in 5G-VANET. *Qian, B.*, +, *TVT June 2020 6374-6387*
- Location Based Joint Spectrum Sensing and Radio Resource Allocation in Cognitive Radio Enabled LTE-U Systems. *Yang, Q.*, +, *TVT March 2020 2967-2979*
- Multi-Agent Deep Reinforcement Learning Based Spectrum Allocation for D2D Underlay Communications. *Li, Z.*, +, *TVT Feb. 2020 1828-1840*
- On Outage Analysis in SWIPT Enabled Bidirectional D2D Communications Using Spectrum Sharing in Cellular Networks. *Ghosh, S.*, +, *TVT Sept. 2020 10167-10176*
- On the Effective Rate and Energy Detection Based Spectrum Sensing Over α - η - κ - μ Fading Channels. *Al-Hmood, H.*, +, *TVT Aug. 2020 9112-9116*
- Optimal Duplex Mode Selection for D2D-Aided Underlying Cellular Networks. *Du, C.*, +, *TVT March 2020 3119-3134*

- Outage Analysis in Cognitive Radio Networks With Energy Harvesting and Q-Routing. *Paul, A., +, TVT June 2020 6755-6765*
- Performance Analysis and Optimization of Bidirectional Overlay Cognitive Radio Networks With Hybrid-SWIPT. *Prathima, A., +, TVT Nov. 2020 13467-13481*
- Petra-Ricci Index Detector for Centralized Data Fusion Cooperative Spectrum Sensing. *Guimaraes, D.A., TVT Oct. 2020 12354-12358*
- Polar Codes for Fast Fading Channel: Design Based on Polar Spectrum. *Niu, K., +, TVT Sept. 2020 10103-10114*
- Power Minimization for Secure Multi-User MISO NOMA System With Energy Harvesting. *Zhou, J., +, TVT Sept. 2020 10046-10058*
- Radar Sensing-Throughput Tradeoff for Radar Assisted Cognitive Radio Enabled Vehicular Ad-Hoc Networks. *Huang, S., +, TVT July 2020 7483-7492*
- Realistic Channel Estimation of IEEE 802.11af Systems in TV White Space. *Basaran, M., +, TVT Oct. 2020 11066-11076*
- Regret Matching Learning Based Spectrum Reuse in Small Cell Networks. *Fan, C., +, TVT Jan. 2020 1060-1064*
- Robust Modulation Classification Over α -Stable Noise Using Graph-Based Fractional Lower-Order Cyclic Spectrum Analysis. *Yan, X., +, TVT March 2020 2836-2849*
- Semi-Blind Post-Equalizer SINR Estimation and Dual CSI Feedback for Radar-Cellular Coexistence. *Rao, R.M., +, TVT Sept. 2020 9720-9735*
- Signed Quadrature Spatial Modulation for MIMO Systems. *Abu-Hudrouss, A.M., +, TVT March 2020 2740-2746*
- Spectral Coexistence of LDACS and DME: Analysis via Hardware Software Co-Design in Presence of Real Channels and RF Impairments. *Agrawal, N., +, TVT Sept. 2020 9837-9848*
- Spectral Efficiency of Multi-Hop Millimeter Wave Networks Using N^{th} Best Relay Routing Technique. *Ibrahim, M., +, TVT Sept. 2020 9951-9959*
- Spectral Efficiency Optimization for Next Generation NOMA-Enabled IoT Networks. *Khan, W.U., +, TVT Dec. 2020 15284-15297*
- Statistical Modelling of Dynamic Interference Threshold and Its Effect on Network Capacity. *Kachroo, A., +, TVT May 2020 5102-5114*
- Streaming Delay-, Expenditure- and Quality-Balanced Video Over TV White Space. *Wang, M., +, TVT April 2020 4042-4057*
- Unsupervised Deep Spectrum Sensing: A Variational Auto-Encoder Based Approach. *Xie, J., +, TVT May 2020 5307-5319*
- User Access and Resource Allocation in Full-Duplex User-Centric Ultra-Dense Networks. *Zhang, G., +, TVT Oct. 2020 12015-12030*
- Wireless Powered Intelligent Reflecting Surfaces for Enhancing Wireless Communications. *Zou, Y., +, TVT Oct. 2020 12369-12373*
- Radio transceivers**
- Adaptive Sum of Markov Chains for Modelling 3D Blockage in mmWave V2I Communications. *Alsaleem, F.N., +, TVT Sept. 2020 9431-9444*
- Analysis of Self-Interference Cancellation Under Phase Noise, CFO, and IQ Imbalance in GFDM Full-Duplex Transceivers. *Mohammadian, A., +, TVT Jan. 2020 700-713*
- Blind Modulation Classification for Asynchronous OFDM Systems Over Unknown Signal Parameters and Channel Statistics. *Gupta, R., +, TVT May 2020 5281-5292*
- Capacity Analysis of Device-to-Device mmWave Networks Under Transceiver Distortion Noise and Imperfect CSI. *Tlebaldiyeva, L., +, TVT May 2020 5707-5712*
- Deep Denoising Neural Network Assisted Compressive Channel Estimation for mmWave Intelligent Reflecting Surfaces. *Liu, S., +, TVT Aug. 2020 9223-9228*
- Fast Beam Training Architecture for Hybrid mmWave Transceivers. *Yang, J., +, TVT March 2020 2700-2715*
- Finite-Alphabet Signature Design for Grant-Free NOMA: A Quantized Deep Learning Approach. *Yu, H., +, TVT Oct. 2020 10975-10987*
- Full-Duplex Amplify-and-Forward Relaying Under I/Q Imbalance. *Samara, L., +, TVT July 2020 7966-7970*
- Hybrid Beamforming for mmWave Massive MIMO Systems Employing DFT-Assisted User Clustering. *Soleimani, M., +, TVT Oct. 2020 11646-11658*
- Localization Error Bounds for 5G mmWave Systems Under I/Q Imbalance. *Ghaseminajm, F., +, TVT July 2020 7971-7975*
- Low-Complexity Beam Training for 5G Millimeter-Wave Massive MIMO Systems. *Wu, W., +, TVT Jan. 2020 361-376*
- Neural Network-Based Relay Selection in Two-Way SWIPT-Enabled Cognitive Radio Networks. *Zhang, Z., +, TVT June 2020 6264-6274*
- On Outage Analysis in SWIPT Enabled Bidirectional D2D Communications Using Spectrum Sharing in Cellular Networks. *Ghosh, S., +, TVT Sept. 2020 10167-10176*
- On Wireless Blind Spots in the C-V2X Sidelink. *Bazzi, A., +, TVT Aug. 2020 9239-9243*
- Performance Analysis of Dual-Hop Relaying With I/Q Imbalance and Additive Hardware Impairment. *Gao, Y., +, TVT April 2020 4580-4584*
- Robust Secure Beamforming for SWIPT-Aided Relay Systems With Full-Duplex Receiver and Imperfect CSI. *Li, X., +, TVT Feb. 2020 1867-1878*
- Spectral Coexistence of LDACS and DME: Analysis via Hardware Software Co-Design in Presence of Real Channels and RF Impairments. *Agrawal, N., +, TVT Sept. 2020 9837-9848*
- System Outage Probability of PS-SWIPT Enabled Two-Way AF Relaying With Hardware Impairments. *Liu, Z., +, TVT Nov. 2020 13532-13545*
- Transceiver Design for AF MIMO Relay Systems With a Power Splitting Based Energy Harvesting Relay Node. *Li, B., +, TVT March 2020 2376-2388*
- Transceiver Design for Simultaneous Wireless Information and Power Multicast in Multi-User mmWave MIMO System. *Yue, Q., +, TVT Oct. 2020 11394-11407*
- Verification of the Random Line-of-Sight Measurement Setup at 1.5-3 GHz Including MIMO Throughput Measurements of a Complete Vehicle. *Kildal, M.S., +, TVT Nov. 2020 13165-13179*
- Radio transmitters**
- An Anti-Eavesdropping Strategy for Precoding-Aided Spatial Modulation With Rough CSI of Eve. *Xia, G., +, TVT Feb. 2020 2343-2347*
- Bit Error Probability and Capacity Bound of OFDM Systems in Deterministic Doubly-Selective Channels. *Dominguez-Bolano, T., +, TVT Oct. 2020 11458-11469*
- Capacity and Outage of Terahertz Communications With User Micro-Mobility and Beam Misalignment. *Petrov, V., +, TVT June 2020 6822-6827*
- Correlation-Based Cooperative Jamming to Enhance Secrecy With Receiver-Side Correlation. *Xu, S., +, TVT Feb. 2020 1903-1912*
- Delayed Bit Interleaved Coded Sparse Code Multiple Access. *Mheich, Z., +, TVT July 2020 8018-8022*
- Distributed Beamforming in the Presence of Adversaries. *Kong, J., +, TVT Sept. 2020 9682-9696*
- Energy and Social Cost Minimization for Data Dissemination in Wireless Networks: Centralized and Decentralized Approaches. *Mousavi, M., +, TVT May 2020 5521-5534*
- Extensionless Adaptive Transmitter and Receiver Windowing of Beyond 5G Frames. *Pekoz, B., +, TVT Feb. 2020 1888-1902*
- Feedbackless Relaying for Enhancing Reliability of Connected Vehicles. *Ali, G.G.M.N., +, TVT May 2020 4621-4634*
- Full-Duplex Non-Orthogonal Multiple Access Cooperative Spectrum-Sharing Networks With Non-Linear Energy Harvesting. *Hakimi, A., +, TVT Oct. 2020 10925-10936*
- Inside-Out Precoding to Manage Multiple Interferences From the Same Source. *Li, Z., +, TVT July 2020 7583-7595*
- Joint Compensation of Transmitter and Receiver I/Q Imbalances for SC-FDE Systems. *Cheng, X., +, TVT Aug. 2020 8483-8498*
- Joint Modulation and Beamforming for MIMO Systems With 1-b DACs. *Han, Y., +, TVT Jan. 2020 1075-1079*
- Mobility-Aware Analysis of Millimeter Wave Communication Systems With Blockages. *Choi, S., +, TVT June 2020 5901-5912*
- Modeling and Analysis of the Downlink Local Delay in MEC-Based VANETs. *Wu, Y., +, TVT June 2020 6619-6630*
- Multi-User Linear Precoding in Massively Distributed Polarized Antenna Systems Under Imperfect CSIT. *Park, J., +, TVT May 2020 5268-5280*

Power Optimization for Enhancing Secrecy of Cooperative User Relaying NOMA Networks. *Cao, Y.*, +, *TVT July 2020 8008-8012*

Secure Spatial Modulation via Radio Frequency Mirrors. *Luo, J.*, +, *TVT Aug. 2020 9168-9173*

Smart Grid Network With D2D Communication and Coherent PLC: Error Analysis. *Dash, S.P.*, +, *TVT Jan. 2020 1051-1054*

Transient Performance Limits for Ultra-Reliable Low-Latency Communications Over Fading Channels. *Yang, H.*, +, *TVT Nov. 2020 13970-13973*

Radiofrequency communication

A Multi-Tone Amplitude Modulation Scheme for Wireless Information and Power Transfer. *Im, C.*, +, *TVT Jan. 2020 1147-1151*

Analysis and Optimization of Tail-Biting Spatially Coupled Protograph LDPC Codes for BICM-ID Systems. *Yang, Z.*, +, *TVT Jan. 2020 390-404*

Coherent Communications in Self-Organizing Networks With Distributed Beamforming. *Shi, Y.*, +, *TVT Jan. 2020 760-770*

Concurrent OFDM Demodulation and Turbo Decoding for Ultra Reliable Low Latency Communication. *Xiang, L.*, +, *TVT Feb. 2020 1281-1290*

Joint Radar-Communication With Cyclic Prefixed Single Carrier Waveforms. *Zeng, Y.*, +, *TVT April 2020 4069-4079*

Multibeam Optimization for Joint Communication and Radio Sensing Using Analog Antenna Arrays. *Luo, Y.*, +, *TVT Oct. 2020 11000-11013*

New Results on the Second Order Scattering Fading Model: Amount of Fading and Energy Detection. *Lopez-Fernandez, J.*, +, *TVT Jan. 2020 1037-1040*

Performance Analysis of OFDM With Peak Cancellation Under EVM and ACLR Restrictions. *Kageyama, T.*, +, *TVT June 2020 6230-6241*

The α - \mathcal{F} Composite Fading Distribution: Statistical Characterization and Applications. *Badarneh, O.S.*, *TVT Aug. 2020 8097-8106*

Radiofrequency amplifiers

Adaptive Deep Learning Aided Digital Predistorter Considering Dynamic Envelope. *Sun, J.*, +, *TVT April 2020 4487-4491*

Radiofrequency identification

Chipless RFID Infrastructure Based Self-Localization: Testbed Evaluation. *El-Absi, M.*, +, *TVT July 2020 7751-7761*

Deep Learning Based RF Fingerprint Identification Using Differential Constellation Trace Figure. *Peng, L.*, +, *TVT Jan. 2020 1091-1095*

Tsarray: An Intelligent Access Control System Using Backscatter Communication. *Chen, Y.*, +, *TVT Nov. 2020 13821-13835*

Unsupervised Drowsy Driving Detection With RFID. *Yang, C.*, +, *TVT Aug. 2020 8151-8163*

Radiofrequency interference

A Distributed Link Scheduler for In-Band Full Duplex Wireless Networks. *Ren, Y.*, +, *TVT May 2020 5255-5267*

A Fully Distributed and Clustered Learning of Power Control in User-Centric Ultra-Dense HetNets. *Makhanbet, M.*, +, *TVT Oct. 2020 11529-11543*

A Novel Downlink Interference Alignment Method for Multi-User MIMO System With No CSIT: A Space-Time Coding Approach. *Arti, M.K.*, *TVT Oct. 2020 10937-10948*

A Precoding Aided Space Domain Index Modulation Scheme for Downlink Multiuser MIMO Systems. *Souto, N.*, +, *TVT Oct. 2020 12333-12337*

A Simple Variational Bayes Detector for Orthogonal Time Frequency Space (OTFS) Modulation. *Yuan, W.*, +, *TVT July 2020 7976-7980*

Adaptive Bitrate Video Streaming in Non-Orthogonal Multiple Access Networks. *Zhang, J.*, +, *TVT April 2020 3980-3993*

Adaptive Mode Selection for Backscatter-Assisted Communication Systems With Opportunistic SIC. *Li, D.*, +, *TVT Feb. 2020 2327-2331*

Adaptive Power Factor Allocation for Cooperative Full-Duplex NOMA Systems With Imperfect SIC and Rate Fairness. *Lima, B.K.S.*, +, *TVT Nov. 2020 14061-14066*

Analysis and Optimization of Random Caching in mmWave Heterogeneous Networks. *Yang, L.*, +, *TVT Sept. 2020 10140-10154*

Analysis of SVD-Based Hybrid Schemes for Massive MIMO With Phase Noise and Imperfect Channel Estimation. *Corvaja, R.*, +, *TVT July 2020 7325-7338*

Capacity Analysis of Device-to-Device mmWave Networks Under Transceiver Distortion Noise and Imperfect CSI. *Tlebaldiyeva, L.*, +, *TVT May 2020 5707-5712*

Channel Estimation and Hybrid Precoding for Distributed Phased Arrays Based MIMO Wireless Communications. *Zhang, Y.*, +, *TVT Nov. 2020 12921-12937*

Co-Channel Secondary Deployment Over DTV Bands Using Reconfigurable Radios. *Thakur, A.*, +, *TVT Oct. 2020 12202-12215*

Complementary Coded CDMA Systems With CP-Free OFDM. *Wang, X.*, +, *TVT Oct. 2020 11515-11528*

Computationally Efficient Constructive Interference Precoding for PSK Modulations Under Per-Antenna Power Constraint. *Chen, C.*, *TVT Aug. 2020 9206-9211*

Cooperative Scheduling for Pilot Reuse in Massive MIMO Systems. *Hua, Y.*, +, *TVT Nov. 2020 12857-12869*

Cyber-Physical Scheduling for Predictable Reliability of Inter-Vehicle Communications. *Li, C.*, +, *TVT April 2020 4192-4206*

Data-Driven Interference Localization Using a Single Satellite Based on Received Signal Strength. *Shen, Z.*, +, *TVT Aug. 2020 8657-8669*

Decentralized Learning Based Indoor Interference Mitigation for 5G-and-Beyond Systems. *Wang, Y.*, +, *TVT Oct. 2020 12124-12135*

Deep Denoising Neural Network Assisted Compressive Channel Estimation for mmWave Intelligent Reflecting Surfaces. *Liu, S.*, +, *TVT Aug. 2020 9223-9228*

Deep Reinforcement Learning-Based Resource Allocation and Power Control in Small Cells With Limited Information Exchange. *Jang, J.*, +, *TVT Nov. 2020 13768-13783*

Degrees of Freedom for Half-Duplex and Full-Duplex Multi-User Cognitive Radios. *Li, D.*, +, *TVT March 2020 2812-2827*

Delay-Constrained Beamforming and Resource Allocation in Full Duplex Systems. *Kabir, M.T.*, +, *TVT March 2020 3476-3480*

Design of a Superposition Coding PPM-DCSK System for Downlink Multi-User Transmission. *Ma, H.*, +, *TVT Feb. 2020 1666-1678*

Distributed Beamforming in the Presence of Adversaries. *Kong, J.*, +, *TVT Sept. 2020 9682-9696*

Distributed Stable Global Broadcasting for SINR-Based Multi-Channel Wireless Multi-Hop Networks. *Tian, X.*, +, *TVT Sept. 2020 10202-10213*

Distributed Utility Optimization in Vehicular Communication Systems. *Diaz-Ibarra, M.A.*, +, *TVT Oct. 2020 11992-12003*

Efficient Resource Allocation and Power Control for LTE-A D2D Communication With Pure D2D Model. *Lai, W.*, +, *TVT March 2020 3202-3216*

Energy and Delay Optimization for Cache-Enabled Dense Small Cell Networks. *Wu, H.*, +, *TVT July 2020 7663-7678*

Energy Efficient Resource Allocation for Underlaying Multi-D2D Enabled Multiple-Antennas Communications. *Ozbek, B.*, +, *TVT June 2020 6189-6199*

Energy-Efficient SWIPT-Empowered D2D Mode Selection. *Huang, J.*, +, *TVT April 2020 3903-3915*

Full-Duplex Amplify-and-Forward Relaying Under I/Q Imbalance. *Samara, L.*, +, *TVT July 2020 7966-7970*

Full-Duplex and Backhaul-Constrained UAV-Enabled Networks Using NOMA. *Youssef, M.*, +, *TVT Sept. 2020 9667-9681*

Game Theory-Based Multi-Objective Optimization Interference Alignment Algorithm for HSR 5G Heterogeneous Ultra-Dense Network. *Sheng, J.*, +, *TVT Nov. 2020 13371-13382*

Graph Coloring Based Pilot Assignment for Cell-Free Massive MIMO Systems. *Liu, H.*, +, *TVT Aug. 2020 9180-9184*

Hybrid Combining Based on Constant Phase Shifters and Active/Inactive Switches. *Bahingayi, E.E.*, +, *TVT April 2020 4058-4068*

Hybrid Precoder Design With Minimum-Subspace-Distortion Quantization in Multiuser mmWave Communications. *Ni, Z.*, +, *TVT Oct. 2020 11055-11065*

Impact of Hardware Impairments on the Outage Probability and Ergodic Capacity of One-Way and Two-Way Full-Duplex Relaying Systems. *Nguyen, B.C.*, +, *TVT Aug. 2020 8555-8567*

Improper Gaussian Signaling for the K-User MIMO Interference Channels With Hardware Impairments. *Soleymani, M.*, +, *TVT Oct. 2020 11632-11645*

Intelligent Reflecting Surface Aided MIMO Cognitive Radio Systems. *Zhang, L.*, +, *TVT Oct. 2020 11445-11457*

- Interference Characterization and Power Optimization for Automotive Radar With Directional Antenna. *Chu, P.*, +, *TVT April 2020 3703-3716*
- Joint Frequency and Power Control for Self-Organizing OFDMA Femtocell Networks. *Sevim, O.*, +, *TVT May 2020 5089-5101*
- Joint Mode Selection and Power Control for Interference Management in D2D-Enabled Heterogeneous Cellular Networks. *Liu, X.*, +, *TVT Sept. 2020 9707-9719*
- Joint Power and Subcarrier Allocation Optimization for Multigroup Multicast Systems With Rate Splitting. *Chen, H.*, +, *TVT Feb. 2020 2306-2310*
- Joint Uplink/Downlink Discrete Sum Rate Maximization for Full-Duplex Multicell Heterogeneous Networks. *Li, Q.*, +, *TVT March 2020 2758-2770*
- Joint User Pairing, Subchannel Assignment and Power Allocation in Cooperative Non-Orthogonal Multiple Access Networks. *Lamba, A.K.*, +, *TVT Oct. 2020 11790-11799*
- Joint User-Activity and Data Detection for Grant-Free Spatial-Modulated Multi-Carrier Non-Orthogonal Multiple Access. *Liu, Y.*, +, *TVT Oct. 2020 11673-11684*
- Latency Minimization for D2D-Enabled Partial Computation Offloading in Mobile Edge Computing. *Saleem, U.*, +, *TVT April 2020 4472-4486*
- Low-Complexity Multistage Optimal Detection for SVD-Based Hybrid Millimeter Wave MIMO Systems. *Wang, X.*, +, *TVT Nov. 2020 13216-13228*
- Low-Cost and Power-Efficient Massive MIMO Precoding: Architecture and Algorithm Designs. *Chen, J.*, *TVT July 2020 7429-7442*
- Mixed RF-VLC Relaying Systems for Interference-Sensitive Mobile Applications. *Petkovic, M.I.*, +, *TVT Oct. 2020 11099-11111*
- Mobility-Aware Subband and Beam Resource Allocation Schemes for Millimeter Wave Wireless Networks. *Shen, L.*, +, *TVT Oct. 2020 11893-11908*
- Multi-Agent Deep Reinforcement Learning-Based Flexible Satellite Payload for Mobile Terminals. *Hu, X.*, +, *TVT Sept. 2020 9849-9865*
- Multi-Panel Sparse Base Station Design With Physical Antenna Effects in Massive MU-MIMO. *Amani, N.*, +, *TVT June 2020 6500-6510*
- Multi-User Linear Precoding in Massively Distributed Polarized Antenna Systems Under Imperfect CSIT. *Park, J.*, +, *TVT May 2020 5268-5280*
- Multicast Beamforming Optimization in Cloud-Based Heterogeneous Terrestrial and Satellite Networks. *Zhang, H.*, +, *TVT Feb. 2020 1766-1776*
- Multiojective Beamforming Power Control for Robust SINR Target Tracking and Power Efficiency in Multicell MU-MIMO Wireless System. *Chen, W.*, +, *TVT June 2020 6200-6214*
- Multuser Selection Criteria for MIMO-NOMA Systems With Different Detectors. *Yu, Q.*, +, *TVT Feb. 2020 1777-1791*
- Network Optimisation in 5G Networks: A Radio Environment Map Approach. *Suarez Rodriguez, A.C.*, +, *TVT Oct. 2020 12043-12057*
- NOMA With Battery-Assisted Energy Harvesting Full-Duplex Relay. *Agrawal, K.*, +, *TVT Nov. 2020 13952-13957*
- Non-Coherent Massive MIMO-OFDM Down-Link Based on Differential Modulation. *Chen-Hu, K.*, +, *TVT Oct. 2020 11281-11294*
- On Evaluation of Indoor to Outdoor Communications Using Neighbourhood Small Cells. *Yang, W.*, +, *TVT July 2020 8045-8050*
- On the Performance of Multihop Cognitive Wireless Powered D2D Communications in WSNs. *Nguyen, T.V.*, +, *TVT March 2020 2684-2699*
- On the Physical Layer Security of Millimeter Wave NOMA Networks. *Huang, S.*, +, *TVT Oct. 2020 11697-11711*
- On the Throughput of Interference-Based Wireless Powered Communications With Receive Antenna Selection. *Al-Badarneh, Y.H.*, +, *TVT March 2020 3048-3056*
- On Wireless Blind Spots in the C-V2X Sidelink. *Bazzi, A.*, +, *TVT Aug. 2020 9239-9243*
- Optimal Duplex Mode Selection for D2D-Aided Underlying Cellular Networks. *Du, C.*, +, *TVT March 2020 3119-3134*
- Optimal Training Design for MIMO Amplify-and-Forward Two-Way Relay Systems in the Presence of Interference. *Chun, C.*, +, *TVT May 2020 5151-5163*
- Outage Analysis for MISO Zero-Forcing Precoding With Outdated CSI. *Liu, G.*, +, *TVT Aug. 2020 9152-9156*
- Outage of Cognitive Electric Vehicle Networks Over Mixed RF/VLC Channels With Signal-Dependent Noise and Imperfect CSI. *Naurzybayev, G.*, +, *TVT June 2020 6828-6832*
- Outage Performance Analysis of Two-Way Full-Duplex DF Relaying Networks With Beamforming. *Lee, J.*, +, *TVT Aug. 2020 8753-8763*
- Outage Probabilities of Cache and SIC Enabled Downlink MIMO NOMA Cellular Networks With Randomly Distributed Users. *Zheng, J.*, +, *TVT Nov. 2020 13942-13946*
- Pair Auction and Matching for Resource Allocation in Full-Duplex Cellular Systems. *Chao, C.*, +, *TVT April 2020 4325-4339*
- Performance Analysis and Optimization of Bidirectional Overlay Cognitive Radio Networks With Hybrid-SWIPT. *Prathima, A.*, +, *TVT Nov. 2020 13467-13481*
- Performance Analysis and Power Allocation Strategy for Downlink NOMA Systems in Large-Scale Cellular Networks. *Wang, J.*, +, *TVT March 2020 3459-3464*
- Performance Analysis for Uplink Transmission in User-Centric Ultra-Dense V2I Networks. *Wu, P.*, +, *TVT Sept. 2020 9342-9355*
- Performance Analysis of Cellular Downlink With Fluctuating Two-Ray Channels Under Inter-Cell Interference. *Olyaei, M.*, +, *TVT Nov. 2020 13437-13449*
- Performance Analysis of Full-Duplex Massive MIMO Systems With Low-Resolution ADCs/DACs Over Rician Fading Channels. *Ding, Q.*, +, *TVT July 2020 7389-7403*
- Performance Analysis of Hybrid Beamforming Precoders for Multiuser Millimeter Wave NOMA Systems. *Badrudeen, A.A.*, +, *TVT Aug. 2020 8739-8752*
- Performance Analysis of Hybrid Satellite-Terrestrial Cooperative Networks With Relay Selection. *Guo, K.*, +, *TVT Aug. 2020 9053-9067*
- Performance Analysis of MISINR User Association in 3-D Heterogeneous Cellular Networks. *Ding, H.*, +, *TVT April 2020 4119-4129*
- Performance Analysis of OSTBC-NOMA System in the Presence of Practical Impairments. *Toka, M.*, +, *TVT Sept. 2020 9697-9706*
- Performance Analysis of Spatial Modulation Aided NOMA With Full-Duplex Relay. *Si, Q.*, +, *TVT May 2020 5683-5687*
- Physical Layer Security Designs for 5G NOMA Systems With a Stronger Near-End Internal Eavesdropper. *Zhang, C.*, +, *TVT Nov. 2020 13005-13017*
- Pilot Design and Allocation for Multi-Cell Massive MIMO Systems With Two-Tier Receiving. *Hu, A.*, *TVT July 2020 7443-7457*
- Polarization and Frequency-Selective Surface for Vehicular Beamforming Communications Requiring Near-Zero Profile. *Youn, Y.*, +, *TVT Feb. 2020 1719-1726*
- Power Allocation for Intelligent Interference Exploitation Aided Physical-Layer Security in OFDM-Based Heterogeneous Cellular Networks. *Jiang, Y.*, +, *TVT March 2020 3021-3033*
- Precoding Design and Power Control for SINR Maximization of MISO System With Nonlinear Power Amplifiers. *Jee, J.*, +, *TVT Nov. 2020 14019-14024*
- QoS Constrained Pilot Allocation Scheme for Massive MIMO Systems. *Qi, C.*, +, *TVT May 2020 5661-5665*
- Receive Beamforming and Resource Allocation for Wireless Powered Non-Orthogonal Multiple Access. *Lee, C.*, +, *TVT April 2020 4563-4568*
- Robust Secure Beamforming for SWIPT-Aided Relay Systems With Full-Duplex Receiver and Imperfect CSI. *Li, X.*, +, *TVT Feb. 2020 1867-1878*
- Secure Beamforming and Jamming for Multibeam Satellite Systems With Correlated Wiretap Channels. *Cui, G.*, +, *TVT Oct. 2020 12348-12353*
- Secure Degrees of Freedom of Rank-Deficient BCCM and Rank-Deficient ICCM. *Wang, Q.*, +, *TVT April 2020 4033-4041*
- Secure Single-Input-Multiple-Output Media-Based Modulation. *Mao, T.*, +, *TVT April 2020 4105-4117*
- Security Enhancement for NOMA-UAV Networks. *Zhao, N.*, +, *TVT April 2020 3994-4005*
- Self-Energized UAV-Assisted Scheme for Cooperative Wireless Relay Networks. *Jayakody, D.N.K.*, +, *TVT Jan. 2020 578-592*
- Semi-Blind Post-Equalizer SINR Estimation and Dual CSI Feedback for Radar-Cellular Coexistence. *Rao, R.M.*, +, *TVT Sept. 2020 9720-9735*

- Spectral Efficiency Optimization and Interference Management for Multi-Hop D2D Communications in VANETs. *Yang, F.*, +, *TVT June 2020 6422-6436*
- Statistical Modelling of Dynamic Interference Threshold and Its Effect on Network Capacity. *Kachroo, A.*, +, *TVT May 2020 5102-5114*
- STBC-Aided Cooperative NOMA With Timing Offsets, Imperfect Successive Interference Cancellation, and Imperfect Channel State Information. *Akhtar, M.W.*, +, *TVT Oct. 2020 11712-11727*
- Sub-Channel Allocation for Full-Duplex Access and Device-to-Device Links Underlying Heterogeneous Cellular Networks Using Coalition Formation Games. *Chen, Y.*, +, *TVT Sept. 2020 9736-9749*
- Subchannel Allocation Based on Clustered Interference Alignment for Differentiated Data Streams in Dense Small Cell Networks. *Zhang, H.*, +, *TVT Nov. 2020 14049-14054*
- Tradeoff Between Ergodic Energy Efficiency and Spectral Efficiency in D2D Communications Under Rician Fading Channel. *Mili, M.R.*, +, *TVT Sept. 2020 9750-9766*
- Uplink Performance Improvement for Downlink-Uplink Decoupled HetNets With Non-Uniform User Distribution. *Sun, K.*, +, *TVT July 2020 7518-7530*
- UWB Receiver via Deep Learning in MUI and ISI Scenarios. *Sharma, S.*, +, *TVT March 2020 3496-3499*
- Whale Optimization Algorithm With Applications to Resource Allocation in Wireless Networks. *Pham, Q.*, +, *TVT April 2020 4285-4297*
- Wireless Energy Efficiency Evaluation for Buildings Under Design Based on Analysis of Interference Gain. *Zhang, J.*, +, *TVT June 2020 6310-6324*
- Radiofrequency power amplifiers**
- Characterization and Performance Improvement of Cooperative Wireless Networks With Nonlinear Power Amplifier at Relay. *Majidi, M.*, +, *TVT March 2020 3244-3255*
- Radiofrequency power transmission**
- A Multi-Tone Amplitude Modulation Scheme for Wireless Information and Power Transfer. *Im, C.*, +, *TVT Jan. 2020 1147-1151*
- Buffer-Aided Secure Relay Networks With SWIPT. *Ren, J.*, +, *TVT June 2020 6485-6499*
- Charge-and-Activate Policies for Targets Monitoring in RF-Harvesting Sensor Networks. *Fei, J.*, +, *TVT July 2020 7835-7846*
- Energy-Efficient SWIPT-Empowered D2D Mode Selection. *Huang, J.*, +, *TVT April 2020 3903-3915*
- Fairness-Aware Intragroup Cooperative Transmission in Wireless Powered Communication Networks. *Mao, Z.*, +, *TVT June 2020 6463-6472*
- Full-Duplex Non-Orthogonal Multiple Access Cooperative Spectrum-Sharing Networks With Non-Linear Energy Harvesting. *Hakimi, A.*, +, *TVT Oct. 2020 10925-10936*
- Improving PHY-Security of UAV-Enabled Transmission With Wireless Energy Harvesting: Robust Trajectory Design and Communications Resource Allocation. *Mamaghani, M.T.*, +, *TVT Aug. 2020 8586-8600*
- Joint 3D Trajectory Design and Time Allocation for UAV-Enabled Wireless Power Transfer Networks. *Feng, W.*, +, *TVT Sept. 2020 9265-9278*
- Learning-Based Joint Optimization of Transmit Power and Harvesting Time in Wireless-Powered Networks With Co-Channel Interference. *Lee, K.*, +, *TVT March 2020 3500-3504*
- Mobile Edge Computing via Wireless Power Transfer Over Multiple Fading Blocks: An Optimal Stopping Approach. *Gu, Q.*, +, *TVT Sept. 2020 10348-10361*
- Modeling and Performance Analysis for Ambient Backscattering Underlying Cellular Networks. *Shi, L.*, +, *TVT June 2020 6563-6577*
- On Outage Analysis in SWIPT Enabled Bidirectional D2D Communications Using Spectrum Sharing in Cellular Networks. *Ghosh, S.*, +, *TVT Sept. 2020 10167-10176*
- Optimal Energy Cooperation Policy in Fusion Center-Based Sustainable Wireless Sensor Networks. *Liang, H.*, +, *TVT June 2020 6401-6414*
- Secure Wireless Powered Cooperative Communication Networks With Finite Energy Storage. *Wang, Y.*, +, *TVT Jan. 2020 1008-1022*
- Self-Energized UAV-Assisted Scheme for Cooperative Wireless Relay Networks. *Jayakody, D.N.K.*, +, *TVT Jan. 2020 578-592*
- Sum-Throughput Maximization Based on the Significance and Fairness of Sensors for Energy and Information Transfer in Virtual MIMO-WBAN. *Wang, T.*, +, *TVT Nov. 2020 13400-13409*
- System Outage Probability of PS-SWIPT Enabled Two-Way AF Relaying With Hardware Impairments. *Liu, Z.*, +, *TVT Nov. 2020 13532-13545*
- Throughput Maximization of a Hybrid EH-SWIPT Relay System Under Temperature Constraints. *Oshaghi, M.*, +, *TVT Feb. 2020 1792-1801*
- UAV-Enabled Wireless Power Transfer With Base Station Charging and UAV Power Consumption. *Yan, H.*, +, *TVT Nov. 2020 12883-12896*
- Radionavigation**
- Computational Complexity Closed-Form Upper Bounds Derivation for Fingerprint-Based Point-of-Interest Recognition Algorithms. *Bisio, I.*, +, *TVT Aug. 2020 9083-9096*
- Radiowave propagation**
- Characterizing Radio Wave Propagation in Urban Street Canyon With Vehicular Blockage at 28 GHz. *Solomitskii, D.*, +, *TVT Feb. 2020 1227-1236*
- Distributed Utility Optimization in Vehicular Communication Systems. *Diaz-Ibarra, M.A.*, +, *TVT Oct. 2020 11992-12003*
- Hybrid Massive MIMO for Urban V2I: Sub-6 GHz vs mmWave Performance Assessment. *Pfadler, A.*, +, *TVT May 2020 4652-4662*
- Impact of Intra-Cluster Angular Spread on the Performance of NLoS Millimeter Wave Links With Imperfect Beam Alignment. *Kutty, S.*, +, *TVT Feb. 2020 1813-1827*
- Measurements and Analysis of Propagation Channels in Vehicle-to-Infrastructure Scenarios. *Li, W.*, +, *TVT April 2020 3550-3561*
- Multiple CFOs Estimation and Implementation of SC-FDMA Uplink System Using Oversampling and Iterative Method. *Kumar, S.*, +, *TVT June 2020 6254-6263*
- New Results on the Second Order Scattering Fading Model: Amount of Fading and Energy Detection. *Lopez-Fernandez, J.*, +, *TVT Jan. 2020 1037-1040*
- On Evaluation of Indoor to Outdoor Communications Using Neighbourhood Small Cells. *Yang, W.*, +, *TVT July 2020 8045-8050*
- Reconfigurable Intelligent Surfaces Assisted Communications With Limited Phase Shifts: How Many Phase Shifts Are Enough?. *Zhang, H.*, +, *TVT April 2020 4498-4502*
- Radon transforms**
- Hypersonic Target Detection and Velocity Estimation in Coherent Radar System Based on Scaled Radon Fourier Transform. *Sun, Z.*, +, *TVT June 2020 6525-6540*
- Rail traffic**
- A Comprehensive Access Point Placement for IoT Data Transmission Through Train-Wayside Communications in Multi-Environment Based Rail Networks. *Saki, M.*, +, *TVT Oct. 2020 11937-11949*
- Comprehensive Efficiency Optimization of Linear Induction Motors for Urban Transit. *Xu, W.*, +, *TVT Jan. 2020 131-139*
- Rail traffic control**
- Coordinated Control in the Presence of Actuator Saturation for Multiple High-Speed Trains in the Moving Block Signaling System Mode. *Bai, W.*, +, *TVT Aug. 2020 8054-8064*
- Robust Event-Triggered Model Predictive Control for Multiple High-Speed Trains With Switching Topologies. *Zhao, H.*, +, *TVT May 2020 4700-4710*
- Speed Profile Tracking by an Adaptive Controller for Subway Train Based on Neural Network and PID Algorithm. *Pu, Q.*, +, *TVT Oct. 2020 10656-10667*
- Rail transportation**
- A Co-Phase Traction Power Supply System Based on Asymmetric Three-Leg Hybrid Power Quality Conditioner. *Liu, L.*, +, *TVT Dec. 2020 14645-14656*
- Impact of Railway Energy Efficiency on the Primary Distribution Power Grid. *Botte, M.*, +, *TVT Dec. 2020 14131-14140*
- Optimal Selection of Heterogeneous Network Interfaces for High-Speed Rail Communications. *Liu, B.*, +, *TVT Dec. 2020 15005-15018*
- Seamless Mobility Under a Dedicated Distributed Antenna System for High-Speed Rail Networks. *Ali, W.*, +, *TVT Dec. 2020 15427-15441*
- Rails**
- Impact of Railway Energy Efficiency on the Primary Distribution Power Grid. *Botte, M.*, +, *TVT Dec. 2020 14131-14140*

Railway communication

- A Comprehensive Access Point Placement for IoT Data Transmission Through Train-Wayside Communications in Multi-Environment Based Rail Networks. *Saki, M.*, +, *TVT Oct. 2020 11937-11949*
- A Fast Beam Alignment Scheme for Dual-Band HSR Wireless Networks. *Yan, L.*, +, *TVT April 2020 3968-3979*
- Channel Characterization and Hybrid Modeling for Millimeter-Wave Communications in Metro Train. *He, D.*, +, *TVT Nov. 2020 12408-12417*
- Coverage Analysis and Optimization for High-Speed Railway Communication Systems With Narrow-Strip-Shaped Cells. *Lin, S.*, +, *TVT Oct. 2020 11544-11556*
- Efficient Hybrid Beamforming With Anti-Blockage Design for High-Speed Railway Communications. *Gao, M.*, +, *TVT Sept. 2020 9643-9655*
- FTGPHA: Fixed-Trajectory Group Pre-Handover Authentication Mechanism for Mobile Relays in 5G High-Speed Rail Networks. *Ma, R.*, +, *TVT Feb. 2020 2126-2140*
- Game Theory-Based Multi-Objective Optimization Interference Alignment Algorithm for HSR 5G Heterogeneous Ultra-Dense Network. *Sheng, J.*, +, *TVT Nov. 2020 13371-13382*
- Impact of UAV Rotation on MIMO Channel Characterization for Air-to-Ground Communication Systems. *Ma, Z.*, +, *TVT Nov. 2020 12418-12431*
- Improving the Congestion Control Performance for Mobile Networks in High-Speed Railway via Deep Reinforcement Learning. *Cui, L.*, +, *TVT June 2020 5864-5875*
- Multi-Feature Fusion Based Recognition and Relevance Analysis of Propagation Scenes for High-Speed Railway Channels. *Zhou, T.*, +, *TVT Aug. 2020 8107-8118*

Railway electrification

- Dynamic Performance of High-Speed Railway Overhead Contact Line Interacting With Pantograph Considering Local Dropper Defect. *Song, Y.*, +, *TVT June 2020 5958-5967*
- Effective Measures to Improve Current Collection Quality for Double Pantographs and Catenary Based on Wave Propagation Analysis. *Xu, Z.*, +, *TVT June 2020 6299-6309*
- Hierarchical Optimization of an On-Board Supercapacitor Energy Storage System Considering Train Electric Braking Characteristics and System Loss. *Zhong, Z.*, +, *TVT March 2020 2576-2587*
- Integrated Timetable Optimization for Minimum Total Energy Consumption of an AC Railway System. *Pan, Z.*, +, *TVT April 2020 3641-3653*
- Multi-Layer Event-Based Vehicle-to-Grid (V2G) Scheduling With Short Term Predictive Capability Within a Modular Aggregator Control Structure. *Krueger, H.*, +, *TVT May 2020 4727-4739*
- Optimisation of a Catenary-Free Tramline Equipped With Stationary Energy Storage Systems. *Wei, S.*, +, *TVT March 2020 2449-2462*

Railway engineering

- A Multi-Dimension End-to-End CNN Model for Rotating Devices Fault Diagnosis on High-Speed Train Bogie. *Kou, L.*, +, *TVT March 2020 2513-2524*

Railways

- An On-Line Multiple Open-Circuit Fault Diagnostic Technique for Railway Vehicle Air-Conditioning Inverters. *Li, K.*, +, *TVT July 2020 7026-7039*
- Assessment of the High-Frequency Response in Railway Pantograph-Catenary Interaction Based on Numerical Simulation. *Song, Y.*, +, *TVT Oct. 2020 10596-10605*
- Coordinated Control in the Presence of Actuator Saturation for Multiple High-Speed Trains in the Moving Block Signaling System Mode. *Bai, W.*, +, *TVT Aug. 2020 8054-8064*
- Data-Driven Incipient Fault Detection and Diagnosis for the Running Gear in High-Speed Trains. *Cheng, C.*, +, *TVT Sept. 2020 9566-9576*
- Dynamic Performance of High-Speed Railway Overhead Contact Line Interacting With Pantograph Considering Local Dropper Defect. *Song, Y.*, +, *TVT June 2020 5958-5967*
- Edge Computing-Aided Framework of Fault Detection for Traction Control Systems in High-Speed Trains. *Chen, H.*, +, *TVT Feb. 2020 1309-1318*
- Look-Ahead Prediction-Based Real-Time Optimal Energy Management for Connected HEVs. *Xu, F.*, +, *TVT March 2020 2537-2551*

- Neural Networks-Based Sliding Mode Fault-Tolerant Control for High-Speed Trains With Bounded Parameters and Actuator Faults. *Dong, H.*, +, *TVT Feb. 2020 1353-1362*

Random codes

- On Multi-Hop Short-Packet Communications: Recoding or End-to-End Fountain Coding?. *Li, Y.*, +, *TVT Aug. 2020 9229-9233*

Random forests

- Error-Tolerant Computation for Voting Classifiers With Multiple Classes. *Liu, S.*, +, *TVT Nov. 2020 13718-13727*
- MagLand: Magnetic Landmarks for Road Vehicle Localization. *Cruz, S.B.*, +, *TVT April 2020 3654-3667*

Random noise

- Error Probability of M-Phase Signaling With Phase Noise Over Fading Channels. *Silva, P.E.G.*, +, *TVT June 2020 6766-6770*

Random processes

- Flight Delay Prediction Based on Aviation Big Data and Machine Learning. *Gui, G.*, +, *TVT Jan. 2020 140-150*
- Impact of UAV Wobbling on the Air-to-Ground Wireless Channel. *Banagar, M.*, +, *TVT Nov. 2020 14025-14030*
- Security Enhanced Content Sharing in Social IoT: A Directed Hypergraph-Based Learning Scheme. *Wang, B.*, +, *TVT April 2020 4412-4425*
- Socially Privacy-Preserving Data Collection for Crowdsensing. *Yang, G.*, +, *TVT Jan. 2020 851-861*
- Spatial Group Based Optimal Uplink Power Control for Random Access in Satellite Networks. *Zhao, B.*, +, *TVT July 2020 7354-7365*
- Wireless Energy Efficiency Evaluation for Buildings Under Design Based on Analysis of Interference Gain. *Zhang, J.*, +, *TVT June 2020 6310-6324*

Random variables

- Capacity Analysis of Coordinated Multipoint Reception for mmWave Uplink With Blockages. *Maham, B.*, +, *TVT Dec. 2020 16299-16303*

Ray tracing

- Calibration of Ray-Tracing With Diffuse Scattering Against 28-GHz Directional Urban Channel Measurements. *Charbonnier, R.*, +, *TVT Dec. 2020 14264-14276*
- Channel Characterization and Hybrid Modeling for Millimeter-Wave Communications in Metro Train. *He, D.*, +, *TVT Nov. 2020 12408-12417*
- Channel Modelling and Performance Limits of Vehicular Visible Light Communication Systems. *Karbalayghareh, M.*, +, *TVT July 2020 6891-6901*
- Characterizing Radio Wave Propagation in Urban Street Canyon With Vehicular Blockage at 28 GHz. *Solomitckii, D.*, +, *TVT Feb. 2020 1227-1236*
- The COST IRACON Geometry-Based Stochastic Channel Model for Vehicle-to-Vehicle Communication in Intersections. *Gustafson, C.*, +, *TVT March 2020 2365-2375*

Rayleigh channels

- A Polarization MDCSK Modulation Without PDL Over Multipath Rayleigh Fading Channels. *Miao, M.*, +, *TVT June 2020 6813-6817*
- Channel Capacity of Massive MIMO With Selected Multi-Stream Transmission in Spatially Correlated Fading Environments. *Karasawa, Y.*, *TVT May 2020 5320-5330*
- Closed-Form Bit Error Probabilities for FBMC Systems. *Kobayashi, R.T.*, +, *TVT Feb. 2020 1237-1244*
- Design and Analysis of Joint Source Channel Coding Schemes Over Non-Standard Coding Channels. *Chen, Q.*, +, *TVT May 2020 5369-5380*
- Design of a Superposition Coding PPM-DCSK System for Downlink Multi-User Transmission. *Ma, H.*, +, *TVT Feb. 2020 1666-1678*
- Error Probability Analysis of NOMA-Based Diamond Relaying Network. *Kara, F.*, +, *TVT Feb. 2020 2280-2285*
- Max-Min QoS Power Control in Generalized Cell-Free Massive MIMO-NOMA With Optimal Backhaul Combining. *Nguyen, T.K.*, +, *TVT Oct. 2020 10949-10964*
- On the Distribution of the Ratio of Products of Fisher-Snedecor \mathcal{F} Random Variables and Its Applications. *Du, H.*, +, *TVT Feb. 2020 1855-1866*
- On The Secrecy Performance Over N-Wave With Diffuse Power Fading Channel. *Sanchez, J.D.V.*, +, *TVT Dec. 2020 15137-15148*
- Performance Analysis of Cellular Downlink With Fluctuating Two-Ray Channels Under Inter-Cell Interference. *Olyaei, M.*, +, *TVT Nov. 2020 13437-13449*

- Performance Analysis of Coherent PLC With MPSK Signaling in Nakagami- m Noise Environment. *Dash, S.P.*, +, *TVT March 2020 3057-3067*
- Performance Analysis of Spatial Modulation Aided NOMA With Full-Duplex Relay. *Si, Q.*, +, *TVT May 2020 5683-5687*
- Physical Layer Security of QSTBC With Power Scaling in MIMO Wiretap Channels. *Chae, S.H.*, +, *TVT May 2020 5647-5651*
- Polar Codes for Fast Fading Channel: Design Based on Polar Spectrum. *Niu, K.*, +, *TVT Sept. 2020 10103-10114*
- Relay Outdatedness Under MRC Deployment. *Le, K.N.*, *TVT March 2020 2802-2811*
- Secrecy Analysis Over Cascaded κ - μ Fading Channels With Multiple Eavesdroppers. *Tashman, D.H.*, +, *TVT Aug. 2020 8433-8442*
- Secrecy Performance of Cooperative Cognitive AF Relaying Networks With Direct Links Over Mixed Rayleigh and Double-Rayleigh Fading Channels. *Pandey, A.*, +, *TVT Dec. 2020 15095-15112*
- Secrecy Under Rayleigh-Dual Correlated Rician Fading Employing Opportunistic Relays and an Adaptive Encoder. *Le, K.N.*, +, *TVT May 2020 5179-5192*
- Short-Term Power Constrained Cell-Free Massive-MIMO Over Spatially Correlated Ricean Fading. *Fementas, G.*, +, *TVT Dec. 2020 15200-15215*
- Smart Grid Network With D2D Communication and Coherent PLC: Error Analysis. *Dash, S.P.*, +, *TVT Jan. 2020 1051-1054*
- Uplink Coverage and Capacity Analysis of mMTC in Ultra-Dense Networks. *Kamel, M.*, +, *TVT Jan. 2020 746-759*
- Rayleigh scattering**
- Vehicle Detection and Classification Using Distributed Fiber Optic Acoustic Sensing. *Liu, H.*, +, *TVT Feb. 2020 1363-1374*
- RC circuits**
- Development of an Equivalent Circuit for Batteries Based on a Distributed Impedance Network. *Khayamy, M.*, +, *TVT June 2020 6119-6128*
- Reachability analysis**
- Impacts of Constrained Sensing and Communication Based Attacks on Vehicular Platoons. *Sun, M.*, +, *TVT May 2020 4773-4787*
- Reactive power**
- A Co-Phase Traction Power Supply System Based on Asymmetric Three-Leg Hybrid Power Quality Conditioner. *Liu, L.*, +, *TVT Dec. 2020 14645-14656*
- An IoT and Edge Computing Based Framework for Charge Scheduling and EV Selection in V2G Systems. *Chamola, V.*, +, *TVT Oct. 2020 10569-10580*
- Sinusoidal-Ripple Current Control in Battery Charger of Electric Vehicles. *Bayati, M.*, +, *TVT July 2020 7201-7210*
- Reactive power control**
- Suppression Method of Current Harmonic for Three-Phase PWM Rectifier in EV Charging System. *Song, T.*, +, *TVT Sept. 2020 9634-9642*
- Real-time systems**
- ARFV: An Efficient Shared Data Auditing Scheme Supporting Revocation for Fog-Assisted Vehicular Ad-Hoc Networks. *Cui, M.*, +, *TVT Dec. 2020 15815-15827*
- DEFT: Decentralized Multiuser Computation Offloading in a Fog-Enabled IoT Environment. *Deb, P.K.*, +, *TVT Dec. 2020 15978-15987*
- Enhancing the Fuel-Economy of V2I-Assisted Autonomous Driving: A Reinforcement Learning Approach. *Liu, X.*, +, *TVT Aug. 2020 8329-8342*
- Introduction to the Special Section on Connected and Autonomous Vehicles: Technologies, Methodologies, and Applications. *Liu, J.*, +, *TVT Sept. 2020 9251-9252*
- Privacy-Preserving Compressive Sensing for Real-Time Traffic Monitoring in Urban City. *Guo, W.*, +, *TVT Dec. 2020 14510-14522*
- SEARCH: An SDN-Enabled Approach for Vehicle Path-Planning. *Oubbati, O.S.*, +, *TVT Dec. 2020 14523-14536*
- SEDAN: Security-Aware Design of Time-Critical Automotive Networks. *Kukkala, V.K.*, +, *TVT Aug. 2020 9017-9030*
- Zero-to-Stable Driver Identification: A Non-Intrusive and Scalable Driver Identification Scheme. *Rahim, M.A.*, +, *TVT Jan. 2020 163-171*
- Receivers**
- A Study of Cross-Layer BP/LTP Data Block Size in Space Vehicle Communications Over Lossy and Highly Asymmetric Channels. *Zhou, Y.*, +, *TVT Dec. 2020 16126-16141*
- A Tight Upper Bound for Enhanced DCT-OFDM With Index Modulation. *Cao, A.*, +, *TVT Dec. 2020 16213-16217*
- Achieving Covert Communication in Overlay Cognitive Radio Networks. *Chen, R.*, +, *TVT Dec. 2020 15113-15126*
- An Autonomous Transmission Scheme Using Dueling DQN for D2D Communication Networks. *Ban, T.*, *TVT Dec. 2020 16348-16352*
- Capacity of Uplink Partial Overlapping Non-Orthogonal Multiple Access for Underwater Acoustic Networks. *Jiang, Z.*, +, *TVT Dec. 2020 14290-14303*
- Fast Specific Absorption Rate Aware Beamforming for Downlink SWIPT via Deep Learning. *Zhang, J.*, +, *TVT Dec. 2020 16178-16182*
- GPS L1CA/BDS B1I Multipath Channel Measurements and Modeling for Dynamic Land Vehicle in Shanghai Dense Urban Area. *Chen, X.*, +, *TVT Dec. 2020 14247-14263*
- Intelligent Reflecting Surface-Assisted Millimeter Wave Communications: Joint Active and Passive Precoding Design. *Wang, P.*, +, *TVT Dec. 2020 14960-14973*
- Localizing Spoofing Attacks on Vehicular GPS Using Vehicle-to-Vehicle Communications. *Sanders, C.*, +, *TVT Dec. 2020 15656-15667*
- Low Complexity Iterative Rake Decision Feedback Equalizer for Zero-Padded OTFS Systems. *Thaj, T.*, +, *TVT Dec. 2020 15606-15622*
- On the Distribution of the Sum of Málaga- \mathcal{M} Random Variables and Applications. *Illi, E.*, +, *TVT Nov. 2020 13996-14000*
- Passive Radar at the Roadside Unit to Configure Millimeter Wave Vehicle-to-Infrastructure Links. *Ali, A.*, +, *TVT Dec. 2020 14903-14917*
- Physical Layer Security Enhancement Using Artificial Noise in Cellular Vehicle-to-Everything (C-V2X) Networks. *Wang, C.*, +, *TVT Dec. 2020 15253-15268*
- RF Fingerprinting Unmanned Aerial Vehicles With Non-Standard Transmitter Waveforms. *Soltani, N.*, +, *TVT Dec. 2020 15518-15531*
- Short-Frame Fountain Code for Plasma Sheath With "Communication Windows". *Zhang, H.*, +, *TVT Dec. 2020 15569-15579*
- Receiving antennas**
- A Dual-Functional Massive MIMO OFDM Communication and Radar Transmitter Architecture. *Temiz, M.*, +, *TVT Dec. 2020 14974-14988*
- A Precoding Aided Space Domain Index Modulation Scheme for Downlink Multiuser MIMO Systems. *Souto, N.*, +, *TVT Oct. 2020 12333-12337*
- A Sequential Subspace Method for Millimeter Wave MIMO Channel Estimation. *Zhang, W.*, +, *TVT May 2020 5355-5368*
- Detection Algorithm for Single-Carrier Spatial Modulation Signals in Frequency-Selective Fading Channels. *Lai, K.*, +, *TVT Nov. 2020 13341-13356*
- Double Space-Time Line Codes. *Joung, J.*, +, *TVT Feb. 2020 2316-2321*
- Energy-Efficient Analog Combiner Design Using Low-Resolution Phase Shifters and Antenna Selection for mmWave D2D Communications. *Chen, J.*, *TVT Nov. 2020 13979-13984*
- Hybrid Combining Based on Constant Phase Shifters and Active/Inactive Switches. *Bahingayi, E.E.*, +, *TVT April 2020 4058-4068*
- Impact of UAV Rotation on MIMO Channel Characterization for Air-to-Ground Communication Systems. *Ma, Z.*, +, *TVT Nov. 2020 12418-12431*
- Joint Beamforming Design and Receive Antenna Selection for Large-Scale MIMO Wiretap Channels. *Tian, M.*, +, *TVT March 2020 2716-2730*
- Non-Coherent Massive MIMO-OFDM Down-Link Based on Differential Modulation. *Chen-Hu, K.*, +, *TVT Oct. 2020 11281-11294*
- On the Throughput of Interference-Based Wireless Powered Communications With Receive Antenna Selection. *Al-Badarneh, Y.H.*, +, *TVT March 2020 3048-3056*
- Oversampling Based Analog Beamforming for Initial Access With a Large Number of Receive Antennas. *Wang, X.*, +, *TVT Aug. 2020 8613-8626*
- Physical Layer Security of QSTBC With Power Scaling in MIMO Wiretap Channels. *Chae, S.H.*, +, *TVT May 2020 5647-5651*
- Push the Limit of Multipath Profiling Using Commodity WiFi Devices With Limited Bandwidth. *Xue, H.*, +, *TVT April 2020 4142-4154*
- Secure Degrees of Freedom of Rank-Deficient BCCM and Rank-Deficient ICCM. *Wang, Q.*, +, *TVT April 2020 4033-4041*

Rectification

A New Hybrid Structure of a Bidirectional DC-DC Converter With High Conversion Ratios for Electric Vehicles. *Elsayad, N., +, TVT Jan. 2020 194-206*

Rectifiers

A Reconfigurable On-Board Power Converter for Electric Vehicle With Reduced Switch Count. *Meher, S.R., +, TVT April 2020 3760-3772*

On the Convex Properties of Wireless Power Transfer With Nonlinear Energy Harvesting. *Hu, Y., +, TVT May 2020 5672-5676*

Recurrent neural networks

A Novel Deep Learning and Polar Transformation Framework for an Adaptive Automatic Modulation Classification. *Ghasemzadeh, P., +, TVT Nov. 2020 13243-13258*

Deep Learning-Based Driving Maneuver Prediction System. *Ou, C., +, TVT Feb. 2020 1328-1340*

Detection of Low-Frequency and Multi-Stage Attacks in Industrial Internet of Things. *Li, X., +, TVT Aug. 2020 8820-8831*

EnLSTM-WPEO: Short-Term Traffic Flow Prediction by Ensemble LSTM, NNCT Weight Integration, and Population Extremal Optimization. *Zhao, F., +, TVT Jan. 2020 101-113*

Extracting and Predicting Taxi Hotspots in Spatiotemporal Dimensions Using Conditional Generative Adversarial Neural Networks. *Yu, H., +, TVT April 2020 3680-3692*

Flight Delay Prediction Based on Aviation Big Data and Machine Learning. *Gui, G., +, TVT Jan. 2020 140-150*

Gait Learning Based Authentication for Intelligent Things. *Zhang, H., +, TVT April 2020 4450-4459*

Game Theory-Based Multi-Objective Optimization Interference Alignment Algorithm for HSR 5G Heterogeneous Ultra-Dense Network. *Sheng, J., +, TVT Nov. 2020 13371-13382*

Learning-Based Multi-Channel Access in 5G and Beyond Networks With Fast Time-Varying Channels. *Wang, S., +, TVT May 2020 5203-5218*

Multi-Agent Deep Reinforcement Learning for Urban Traffic Light Control in Vehicular Networks. *Wu, T., +, TVT Aug. 2020 8243-8256*

Personalized Vehicle Trajectory Prediction Based on Joint Time-Series Modeling for Connected Vehicles. *Xing, Y., +, TVT Feb. 2020 1341-1352*

Proactive Mobility Management With Trajectory Prediction Based on Virtual Cells in Ultra-Dense Networks. *Liu, Q., +, TVT Aug. 2020 8832-8842*

Robust Lane Detection From Continuous Driving Scenes Using Deep Neural Networks. *Zou, Q., +, TVT Jan. 2020 41-54*

Recursive estimation

Adaptive Channel Prediction, Beamforming and Scheduling Design for 5G V2I Network: Analytical and Machine Learning Approaches. *Bogale, T.E., +, TVT May 2020 5055-5067*

Faulty Characteristics and Identification of Increased Connecting and Internal Resistance in Parallel-Connected Lithium-Ion Battery Pack for Electric Vehicles. *Ma, M., +, TVT Oct. 2020 10797-10808*

Kalman Filter Based Recursive Estimation of Slowly Fading Sparse Channel in Impulsive Noise Environment for OFDM Systems. *Ly, X., +, TVT March 2020 2828-2835*

Reduced order systems

Estimation of Transmission Input&Output Shaft Torque and Drive Wheel Speed for Compound Power Split Powertrain Based on Unknown Input Observer. *Li, M., +, TVT May 2020 4883-4893*

On-Board State Estimation in Electrical Vehicles: Achieving Accuracy and Computational Efficiency Through an Electrochemical Model. *Verma, M.K.S., +, TVT March 2020 2563-2575*

Reduced-Order Modeling and Design of Single-Stage LCL Compensated IPT System for Low Voltage Vehicle Charging Applications. *Feng, H., +, TVT April 2020 3728-3739*

Redundancy

Autonomous Tracking Using a Swarm of UAVs: A Constrained Multi-Agent Reinforcement Learning Approach. *Chen, Y., +, TVT Nov. 2020 13702-13717*

Distributed Video Content Caching Policy With Deep Learning Approaches for D2D Communication. *Liu, Z., +, TVT Dec. 2020 15644-15655*

Error-Tolerant Computation for Voting Classifiers With Multiple Classes. *Liu, S., +, TVT Nov. 2020 13718-13727*

Non-Redundant OFDM Receiver Windowing for 5G Frames and Beyond. *Pekoz, B., +, TVT Jan. 2020 676-684*

Regenerative braking

A Multifunctional Solar PV and Grid Based On-Board Converter for Electric Vehicles. *Singh, A.K., +, TVT April 2020 3717-3727*

Development of an Electric Vehicle Synchronous Reluctance Motor Drive. *Kumar, G.V., +, TVT May 2020 5012-5024*

Hierarchical Optimization of an On-Board Supercapacitor Energy Storage System Considering Train Electric Braking Characteristics and System Loss. *Zhong, Z., +, TVT March 2020 2576-2587*

Multi-Layer Event-Based Vehicle-to-Grid (V2G) Scheduling With Short Term Predictive Capability Within a Modular Aggregator Control Structure. *Krueger, H., +, TVT May 2020 4727-4739*

Optimal Anti-Lock Braking Control With Nonlinear Variable Voltage Charging Scheme for an Electric Vehicle. *Wang, J., +, TVT July 2020 7211-7222*

Regression analysis

A Collaborative Gaussian Process Regression Model for Transfer Learning of Capacity Trends Between Li-Ion Battery Cells. *Chehade, A.A., +, TVT Sept. 2020 9542-9552*

A Hybrid Method for the Prediction of the Remaining Useful Life of Lithium-Ion Batteries With Accelerated Capacity Degradation. *Cong, X., +, TVT Nov. 2020 12775-12785*

Adaptive Deep Learning Aided Digital Predistorter Considering Dynamic Envelope. *Sun, J., +, TVT April 2020 4487-4491*

Connected Vehicle Based Distributed Meta-Learning for Online Adaptive Engine/Powertrain Fuel Consumption Modeling. *Ma, X., +, TVT Sept. 2020 9553-9565*

DeepChannel: Wireless Channel Quality Prediction Using Deep Learning. *Kulkarni, A., +, TVT Jan. 2020 443-456*

Early Recognition of Driving Intention for Lane Change Based on Recurrent Hidden Semi-Markov Model. *Liu, Q., +, TVT Oct. 2020 10545-10557*

Fast Prediction Model of Coupling Coefficient Between Pantograph Arcing and GSM-R Antenna. *Song, Y., +, TVT Oct. 2020 11612-11618*

Flight Delay Prediction Based on Aviation Big Data and Machine Learning. *Gui, G., +, TVT Jan. 2020 140-150*

Freeway Travel Time Prediction Using Deep Hybrid Model – Taking Sun Yat-Sen Freeway as an Example. *Ting, P., +, TVT Aug. 2020 8257-8266*

Importance Weighted Gaussian Process Regression for Transferable Driver Behaviour Learning in the Lane Change Scenario. *Li, Z., +, TVT Nov. 2020 12497-12509*

Learning RSSI Feature via Ranking Model for Wi-Fi Fingerprinting Localization. *Chen, P., +, TVT Feb. 2020 1695-1705*

Personalized Vehicle Trajectory Prediction Based on Joint Time-Series Modeling for Connected Vehicles. *Xing, Y., +, TVT Feb. 2020 1341-1352*

Smoothing-Aided Support Vector Machine Based Nonstationary Video Traffic Prediction Towards B5G Networks. *Li, Y., +, TVT July 2020 7493-7502*

Supervised Parameter Estimation for Road Vehicles, Mitigating Powertrain Induced Uncertainty. *Wragge-Morley, R., +, TVT July 2020 7000-7013*

Reinforcement learning

Device Association for RAN Slicing Based on Hybrid Federated Deep Reinforcement Learning. *Liu, Y., +, TVT Dec. 2020 15731-15745*

Voronoi-Based Multi-Robot Autonomous Exploration in Unknown Environments via Deep Reinforcement Learning. *Hu, J., +, TVT Dec. 2020 14413-14423*

Relaxation theory

Joint Sparse Beamforming and Power Control for a Large-Scale DAS With Network-Assisted Full Duplex. *Xia, X., +, TVT July 2020 7569-7582*

Relay networks (telecommunication)

A Cooperative Transmission Scheme in Drone-Based Networks. *Hiraguri, T., +, TVT March 2020 2905-2914*

A Geometric Approach for Distributed Multi-Hop Target Localization in Cooperative Networks. *Tomic, S., +, TVT Jan. 2020 914-919*

A Novel Probabilistic Buffer-Aided Relay Selection Scheme in Cooperative Networks. *Xu, P., +, TVT April 2020 4548-4552*

Adaptive Power Factor Allocation for Cooperative Full-Duplex NOMA Systems With Imperfect SIC and Rate Fairness. *Lima, B.K.S., +, TVT Nov. 2020 14061-14066*

- Adaptive Relay Selection Strategies for Cooperative NOMA Networks With User and Relay Cooperation. *Li, G.*, +, *TVT Oct. 2020 11728-11742*
- Analysis of DF Relay Selection in Massive MIMO Systems With Hardware Impairments. *Kazemi, M.*, +, *TVT June 2020 6141-6152*
- Backscatter Communication Powered By Selective Relaying. *Li, D.*, *TVT Nov. 2020 14037-14042*
- Backscatter Communication via Harvest-Then-Transmit Relaying. *Li, D.*, *TVT June 2020 6843-6847*
- Buffer-Aided Secure Relay Networks With SWIPT. *Ren, J.*, +, *TVT June 2020 6485-6499*
- Characterization and Performance Improvement of Cooperative Wireless Networks With Nonlinear Power Amplifier at Relay. *Majidi, M.*, +, *TVT March 2020 3244-3255*
- Computing and Relaying: Utilizing Mobile Edge Computing for P2P Communications. *Qin, M.*, +, *TVT Feb. 2020 1582-1594*
- Cooperative Time Successive SSK-M-ary Modulation for Decode-and-Forward Relay Systems. *Maheswaran, P.*, +, *TVT Jan. 2020 537-551*
- Cross-Media Communications With Decode-and-Forward Relay and Optimal Power Allocation. *Li, Y.*, +, *TVT Aug. 2020 9201-9205*
- DCE-Based Secure Transmission for Massive MIMO Relay System Against Active Eavesdropper. *Lu, X.*, +, *TVT Nov. 2020 13045-13059*
- Detection for OFDM-AF Relay Systems Under Gaussian Mixture Noise With Imperfect CSI. *Zhang, J.*, +, *TVT May 2020 5666-5671*
- Enabling Edge Caching Through Full-Duplex Non-Orthogonal Multiple Access. *Ma, R.*, +, *TVT Oct. 2020 12338-12342*
- Energy-Aware Relay Selection Improves Security-Reliability Tradeoff in Energy Harvesting Cooperative Cognitive Radio Systems. *Yan, P.*, +, *TVT May 2020 5115-5128*
- Energy-Efficient Power Allocation and Q-Learning-Based Relay Selection for Relay-Aided D2D Communication. *Wang, X.*, +, *TVT June 2020 6452-6462*
- Error Probability Analysis of NOMA-Based Diamond Relaying Network. *Kara, F.*, +, *TVT Feb. 2020 2280-2285*
- Feedbackless Relaying for Enhancing Reliability of Connected Vehicles. *Ali, G.G.M.N.*, +, *TVT May 2020 4621-4634*
- Full-Duplex Non-Orthogonal Multiple Access Cooperative Spectrum-Sharing Networks With Non-Linear Energy Harvesting. *Hakimi, A.*, +, *TVT Oct. 2020 10925-10936*
- Impact of Co-Channel Interference and Vehicles as Obstacles on Full-Duplex V2V Cooperative Wireless Network. *Eshteiwi, K.*, +, *TVT July 2020 7503-7517*
- Impact of Hardware Impairments on the Outage Probability and Ergodic Capacity of One-Way and Two-Way Full-Duplex Relaying Systems. *Nguyen, B.C.*, +, *TVT Aug. 2020 8555-8567*
- Integrating Broadcasting and NOMA in Full-Duplex Buffer-Aided Opportunistic Relay Networks. *Nomikos, N.*, +, *TVT Aug. 2020 9157-9162*
- Joint Optimization of Cooperative Communication and Computation in Two-Way Relay MEC Systems. *Xie, B.*, +, *TVT April 2020 4596-4600*
- Joint Placement and Resources Optimization for Multi-User UAV-Relaying Systems With Underlaid Cellular Networks. *Guo, Y.*, +, *TVT Oct. 2020 12374-12377*
- Joint Transaction Relaying and Block Verification Optimization for Blockchain Empowered D2D Communication. *Jiang, L.*, +, *TVT Jan. 2020 828-841*
- Joint Transmit Power and Placement Optimization for URLLC-Enabled UAV Relay Systems. *Ren, H.*, +, *TVT July 2020 8003-8007*
- Latency and Reliability of mmWave Multi-Hop V2V Communications Under Relay Selections. *Li, Z.*, +, *TVT Sept. 2020 9807-9821*
- Low-Delay Path Selection for Cluster-Based Buffer-Aided Vehicular Communications. *Alam, M.Z.*, +, *TVT Sept. 2020 9356-9363*
- Mixed RF-VLC Relaying Systems for Interference-Sensitive Mobile Applications. *Petkovic, M.I.*, +, *TVT Oct. 2020 11099-11111*
- Multiuser Precoding for Sum-Rate Maximization in Relay-Aided mmWave Communications. *Yalcin, A.Z.*, +, *TVT June 2020 6808-6812*
- Network Coding Assisted Secure Transmission in Full-Duplex Relay Networks. *He, H.*, +, *TVT Aug. 2020 9196-9200*
- Neural Network-Based Relay Selection in Two-Way SWIPT-Enabled Cognitive Radio Networks. *Zhang, Z.*, +, *TVT June 2020 6264-6274*
- New NOMA-Based Two-Way Relay Networks. *Fang, Z.*, +, *TVT Dec. 2020 15314-15324*
- On Outage Analysis in SWIPT Enabled Bidirectional D2D Communications Using Spectrum Sharing in Cellular Networks. *Ghosh, S.*, +, *TVT Sept. 2020 10167-10176*
- On the Distribution of the Ratio of Products of Fisher-Snedecor \mathcal{F} Random Variables and Its Applications. *Du, H.*, +, *TVT Feb. 2020 1855-1866*
- On the Performance Analysis of Higher Order QAM Schemes Over Mixed RF/FSO Systems. *Singya, P.K.*, +, *TVT July 2020 7366-7378*
- On the Physical Layer Security of Underlay Relay-Aided Device-to-Device Communications. *Khoshafa, M.H.*, +, *TVT July 2020 7609-7621*
- On Uplink Performance of Multiuser Massive MIMO Relay Network With Limited RF Chains. *Xu, J.*, +, *TVT Aug. 2020 8670-8683*
- Optimal Power Allocation in Cooperative Networks With Energy-Saving Protocols. *Ojo, F.K.*, +, *TVT May 2020 5079-5088*
- Optimal Power and Bandwidth Allocation for Multiuser Video Streaming in UAV Relay Networks. *Chen, Y.*, +, *TVT June 2020 6644-6655*
- Optimal Relay Selection for Secure NOMA Systems Under Untrusted Users. *Cao, K.*, +, *TVT Feb. 2020 1942-1955*
- Optimal Resource Allocation in Ground Wireless Networks Supporting Unmanned Aerial Vehicle Transmissions. *Hu, Y.*, +, *TVT Aug. 2020 8972-8984*
- Optimal Training Design for MIMO Amplify-and-Forward Two-Way Relay Systems in the Presence of Interference. *Chun, C.*, +, *TVT May 2020 5151-5163*
- Outage Analysis of RF Energy Harvesting Cooperative Communication Systems Over Nakagami- m Fading Channels With Integer and Non-Integer m . *Hoang, T.M.*, +, *TVT March 2020 2785-2801*
- Outage of Cognitive Electric Vehicle Networks Over Mixed RF/VLC Channels With Signal-Dependent Noise and Imperfect CSI. *Nauryzbayev, G.*, +, *TVT June 2020 6828-6832*
- Outage Performance Analysis of Two-Way Full-Duplex DF Relaying Networks With Beamforming. *Lee, J.*, +, *TVT Aug. 2020 8753-8763*
- Performance Analysis of Dual-Hop Relaying With IQ Imbalance and Additive Hardware Impairment. *Gao, Y.*, +, *TVT April 2020 4580-4584*
- Performance Analysis of Full-Duplex Relay-Aided NOMA Systems Using Partial Relay Selection. *Tregancini, A.*, +, *TVT Jan. 2020 622-635*
- Performance Analysis of Hybrid Satellite-Terrestrial Cooperative Networks With Relay Selection. *Guo, K.*, +, *TVT Aug. 2020 9053-9067*
- Performance Analysis of Spatial Modulation Aided NOMA With Full-Duplex Relay. *Si, Q.*, +, *TVT May 2020 5683-5687*
- Performance of SWIPT for Full-Duplex Relay System With Co-Channel Interference. *Guo, J.*, +, *TVT Feb. 2020 2311-2315*
- Pilot Assignment and Power Allocation for Multipair Massive MIMO DF Relaying Networks. *Ho, C.D.*, +, *TVT July 2020 7379-7388*
- Power Optimization for Enhancing Secrecy of Cooperative User Relaying NOMA Networks. *Cao, Y.*, +, *TVT July 2020 8008-8012*
- Robust Secure Beamforming for SWIPT-Aided Relay Systems With Full-Duplex Receiver and Imperfect CSI. *Li, X.*, +, *TVT Feb. 2020 1867-1878*
- SDP-IGD: An Iterative Power Allocation Technique for Cluster-Based Multihop Vehicular Communications. *Alam, M.Z.*, +, *TVT July 2020 7908-7915*
- Secrecy Performance Analysis of UAV Assisted Relay Transmission for Cognitive Network With Energy Harvesting. *Ji, B.*, +, *TVT July 2020 7404-7415*
- Secrecy Performance Analysis of UAV-Assisted Relaying Communication Systems. *Bao, T.*, +, *TVT Jan. 2020 1122-1126*
- Secrecy Performance of Cooperative Cognitive AF Relaying Networks With Direct Links Over Mixed Rayleigh and Double-Rayleigh Fading Channels. *Pandey, A.*, +, *TVT Dec. 2020 15095-15112*
- Secrecy Performance of NOMA Systems With Energy Harvesting and Full-Duplex Relaying. *Guo, C.*, +, *TVT Oct. 2020 12301-12305*

Secrecy Under Rayleigh-Dual Correlated Rician Fading Employing Opportunistic Relays and an Adaptive Encoder. *Le, K.N.*, +, *TVT May 2020 5179-5192*

Secure Communication With Outdated Channel State Information via Untrusted Relay Capable of Energy Harvesting. *Lim, J.*, +, *TVT Oct. 2020 11323-11337*

Secure Outage Analysis for Cooperative NOMA Systems With Antenna Selection. *Pei, X.*, +, *TVT April 2020 4503-4507*

Secure Wireless Powered Cooperative Communication Networks With Finite Energy Storage. *Wang, Y.*, +, *TVT Jan. 2020 1008-1022*

Security Enhancement Using a Novel Two-Slot Cooperative NOMA Scheme. *Chen, B.*, +, *TVT March 2020 3470-3475*

Self-Energized UAV-Assisted Scheme for Cooperative Wireless Relay Networks. *Jayakody, D.N.K.*, +, *TVT Jan. 2020 578-592*

Spatially Correlated Massive MIMO Relay Systems With Low-Resolution ADCs. *Dong, P.*, +, *TVT June 2020 6541-6553*

Spectral Efficiency of Multi-Hop Millimeter Wave Networks Using N^{th} Best Relay Routing Technique. *Ibrahim, M.*, +, *TVT Sept. 2020 9951-9959*

Stability Region and Delay Analysis of a SWIPT-Based Two-Way Relay Network With Opportunistic Network Coding. *Moradian, M.*, +, *TVT Dec. 2020 15682-15693*

Sum-Rate Maximization Based Relay Selection for Cooperative NOMA Over Nakagami- m Fading. *Li, Y.*, +, *TVT Nov. 2020 13985-13989*

Switched Max-Link Relay Selection Based on Maximum Minimum Distance for Cooperative MIMO Systems. *Duarte, F.L.*, +, *TVT Feb. 2020 1928-1941*

System Outage Probability of PS-SWIPT Enabled Two-Way AF Relaying With Hardware Impairments. *Liu, Z.*, +, *TVT Nov. 2020 13532-13545*

Throughput Maximization of a Hybrid EH-SWIPT Relay System Under Temperature Constraints. *Oshaghi, M.*, +, *TVT Feb. 2020 1792-1801*

Transceiver Design for AF MIMO Relay Systems With a Power Splitting Based Energy Harvesting Relay Node. *Li, B.*, +, *TVT March 2020 2376-2388*

Relays

A Joint Design of Platoon Communication and Control Based on LTE-V2V. *Hong, C.*, +, *TVT Dec. 2020 15893-15907*

A Route Segmented Broadcast Protocol Based on RFID for Emergency Message Dissemination in Vehicular Ad-Hoc Networks. *Afrashteh, M.*, +, *TVT Dec. 2020 16017-16026*

Beyond Vision: Hidden Car Detector With On-Demand Relaying in Vehicular Communications. *Hwang, S.*, +, *TVT Dec. 2020 15177-15187*

Energy Efficient Relay Selection and Resource Allocation in D2D-Enabled Mobile Edge Computing. *Li, Y.*, +, *TVT Dec. 2020 15800-15814*

Joint Relay Assignment and Channel Allocation for Opportunistic UAVs-Aided Dynamic Networks: A Mood-Driven Approach. *Zhong, X.*, +, *TVT Dec. 2020 15019-15034*

New NOMA-Based Two-Way Relay Networks. *Fang, Z.*, +, *TVT Dec. 2020 15314-15324*

On the Performance of MIMO Full-Duplex Relaying System With SWIPT Under Outdated CSI. *Hoang, T.M.*, +, *TVT Dec. 2020 15580-15593*

Opportunistic Relaying and Jamming Based on Secrecy-Rate Maximization for Multiuser Buffer-Aided Relay Systems. *Lu, X.*, +, *TVT Dec. 2020 15269-15283*

Two-Way Dual-Hop WPCN With A Practical Energy Harvesting Model. *Ramezani, P.*, +, *TVT July 2020 8013-8017*

UAV-Enabled NOMA Networks Analysis With Selective Incremental Relaying and Imperfect CSI. *Guo, C.*, +, *TVT Dec. 2020 16276-16281*

Wireless Power Transfer Based Adaptive Relaying With Energy Accumulation. *Zhai, C.*, +, *TVT Oct. 2020 11014-11027*

Reliability

A Distributed Framework for Energy Trading Between UAVs and Charging Stations for Critical Applications. *Hassija, V.*, +, *TVT May 2020 5391-5402*

Intelligent and Reliable Deep Learning LSTM Neural Networks-Based OFDM-DCSK Demodulation Design. *Zhang, L.*, +, *TVT Dec. 2020 16163-16167*

NOMA Versus OMA in Finite Blocklength Regime: Link-Layer Rate Performance. *Amjad, M.*, +, *TVT Dec. 2020 16253-16257*

Reducing the Mutual Outage Probability of Cooperative Non-Orthogonal Multiple Access. *Riaz, S.*, +, *TVT Dec. 2020 16207-16212*

Reliability Prediction of Battery Management System for Electric Vehicles Based on Accelerated Degradation Test: A Semi-Parametric Approach. *Lin, K.*, +, *TVT Nov. 2020 12694-12704*

Secrecy Performance of Cooperative Cognitive AF Relaying Networks With Direct Links Over Mixed Rayleigh and Double-Rayleigh Fading Channels. *Pandey, A.*, +, *TVT Dec. 2020 15095-15112*

Spectral Efficient Resource Allocation for URLLC in Distributed Antenna Systems. *Hong, J.*, +, *TVT Dec. 2020 15057-15067*

Structural Design and Analysis of a High Reliability Multi-Turn Wound-Rotor Resolver for Electric Vehicle. *Saneie, H.*, +, *TVT May 2020 4992-4999*

Torque Ripple Minimization for Inter-Turn Short-Circuit Fault Based on Open-Winding Five Phase FTFSCW-IPM Motor for Electric Vehicle Application. *Fan, Y.*, +, *TVT Jan. 2020 282-292*

Reluctance motor drives

Design of an External-Rotor Direct Drive E-Bike Switched Reluctance Motor. *Howey, B.*, +, *TVT March 2020 2552-2562*

Development of an Electric Vehicle Synchronous Reluctance Motor Drive. *Kumar, G.V.*, +, *TVT May 2020 5012-5024*

Reluctance motors

A Single-Phase On-Board Two-Stage Integrated Battery Charger for EVs Based on a Five-Phase Hybrid-Excitation Flux-Switching Machine. *Tong, M.*, +, *TVT April 2020 3793-3804*

A Switched Reluctance Motor Torque Ripple Reduction Strategy With Deadbeat Current Control and Active Thermal Management. *Zhang, X.*, +, *TVT Jan. 2020 317-327*

Making the Case for Switched Reluctance Motors for Propulsion Applications. *Bilgin, B.*, +, *TVT July 2020 7172-7186*

Remaining life assessment

A Hybrid Method for the Prediction of the Remaining Useful Life of Lithium-Ion Batteries With Accelerated Capacity Degradation. *Cong, X.*, +, *TVT Nov. 2020 12775-12785*

State-of-Health Estimation and Remaining-Useful-Life Prediction for Lithium-Ion Battery Using a Hybrid Data-Driven Method. *Gou, B.*, +, *TVT Oct. 2020 10854-10867*

Remotely operated vehicles

A Cooperative Transmission Scheme in Drone-Based Networks. *Hiraguri, T.*, +, *TVT March 2020 2905-2914*

A Distributed Framework for Energy Trading Between UAVs and Charging Stations for Critical Applications. *Hassija, V.*, +, *TVT May 2020 5391-5402*

A Hierarchical Architecture Using Biased Min-Consensus for USV Path Planning. *Yao, P.*, +, *TVT Sept. 2020 9518-9527*

A Nash Q-Learning Based Motion Decision Algorithm With Considering Interaction to Traffic Participants. *Xu, C.*, +, *TVT Nov. 2020 12621-12634*

A Simple and Precise Correction Method for DVL Measurements Under the Dynamic Environment. *Yao, Y.*, +, *TVT Oct. 2020 10750-10758*

A Two-Stage Game Framework to Secure Transmission in Two-Tier UAV Networks. *Xu, M.*, +, *TVT Nov. 2020 13728-13740*

Accurate Probability Distribution Calculation for Drone-Based Highway-VANETs. *Seliem, H.*, +, *TVT Jan. 2020 1127-1130*

Adaptive Switching Spatial-Temporal Fusion Detection for Remote Flying Drones. *Xie, J.*, +, *TVT July 2020 6964-6976*

An Orientation Navigation Approach Based on INS and Odometer Integration for Underground Unmanned Excavating Machine. *Han, S.*, +, *TVT Oct. 2020 10772-10786*

Asymptotic Stabilization of USVs With Actuator Dead-Zones and Yaw Constraints Based on Fixed-Time Disturbance Observer. *Guo, G.*, +, *TVT Jan. 2020 302-316*

Blockchain-Envisioned Secure Data Delivery and Collection Scheme for 5G-Based IoT-Enabled Internet of Drones Environment. *Bera, B.*, +, *TVT Aug. 2020 9097-9111*

Distributed 3D Relative Localization of UAVs. *Liu, Y.*, +, *TVT Oct. 2020 11756-11770*

Distributed Deception Attack Detection in Platoon-Based Connected Vehicle Systems. *Ju, Z.*, +, *TVT May 2020 4609-4620*

Energy-Efficient Data Collection for IoT Networks via Cooperative Multi-Hop UAV Networks. *Kim, T.*, +, *TVT Nov. 2020 13796-13811*

- Extracting Human-Like Driving Behaviors From Expert Driver Data Using Deep Learning. *Sama, K., +, TVT Sept. 2020 9315-9329*
- Heuristic Monte Carlo Algorithm for Unmanned Ground Vehicles Realtime Localization and Mapping. *Chen, D., +, TVT Oct. 2020 10642-10655*
- Impact of UAV Wobbling on the Air-to-Ground Wireless Channel. *Banagar, M., +, TVT Nov. 2020 14025-14030*
- Inertial Navigation and Position Uncertainty During a Blind Safe Stop of an Autonomous Vehicle. *Jonasson, M., +, TVT May 2020 4788-4802*
- Jointly Optimized 3D Drone Mounted Base Station Deployment and User Association in Drone Assisted Mobile Access Networks. *Sun, X., +, TVT Feb. 2020 2195-2203*
- Online Task Allocation and Flying Control in Fog-Aided Internet of Drones. *Yao, J., +, TVT May 2020 5562-5569*
- Optimal Path Planning and Speed Control Integration Strategy for UGVs in Static and Dynamic Environments. *Ren, H., +, TVT Oct. 2020 10619-10629*
- Path Planning for UAV-Mounted Mobile Edge Computing With Deep Reinforcement Learning. *Liu, Q., +, TVT May 2020 5723-5728*
- Real-Time Perception and Positioning for Creature Picking of an Underwater Vehicle. *Cui, S., +, TVT April 2020 3783-3792*
- Rendezvous: Opportunistic Data Delivery to Mobile Users by UAVs Through Target Trajectory Prediction. *Yoon, J., +, TVT Feb. 2020 2230-2245*
- Trajectory Tracking Control of Autonomous Vehicle With Random Network Delay. *Luan, Z., +, TVT Aug. 2020 8140-8150*
- UAV Beam Alignment for Highly Mobile Millimeter Wave Communications. *Zhang, W., +, TVT Aug. 2020 8577-8585*
- Rendering (computer graphics)**
- An Adaptive Wireless Virtual Reality Framework in Future Wireless Networks: A Distributed Learning Approach. *Guo, F., +, TVT Aug. 2020 8514-8528*
- Renewable energy sources**
- Coded Caching for Smart Grid Enabled HetNets With Resource Allocation and Energy Cooperation. *Yin, F., +, TVT Oct. 2020 12058-12071*
- Joint Computation Offloading and Demand Response Management in Mobile Edge Network With Renewable Energy Sources. *Liu, Y., +, TVT Dec. 2020 15720-15730*
- Joint Route Selection and Charging Discharging Scheduling of EVs in V2G Energy Network. *Liu, P., +, TVT Oct. 2020 10630-10641*
- Rental**
- DAPA: A Decentralized, Accountable, and Privacy-Preserving Architecture for Car Sharing Services. *Huang, C., +, TVT May 2020 4869-4882*
- Resistance**
- Research on Optimization of Charging Strategy Control for Aged Batteries. *Sun, J., +, TVT Dec. 2020 14141-14149*
- Resistors**
- Hierarchical Optimization of an On-Board Supercapacitor Energy Storage System Considering Train Electric Braking Characteristics and System Loss. *Zhong, Z., +, TVT March 2020 2576-2587*
- Resonant frequency**
- Analyzing the Impact of Molecular Re-Radiation on the MIMO Capacity in High-Frequency Bands. *Hoseini, S.A., +, TVT Dec. 2020 15458-15471*
- Resonant power converters**
- LLC Resonant Converter With Damping Split Inductor Improving Light-Load Regulation Ability. *Jing, H., +, TVT Feb. 2020 1428-1439*
- Resource allocation**
- 3D Drone Base Station Placement and Resource Allocation With FSO-Based Backhaul in Hotspots. *Zhang, S., +, TVT March 2020 3322-3329*
- 3D-MIMO Dual Communications in SCMA-Based Secure HetNets. *Abedi, M.R., +, TVT Aug. 2020 8499-8513*
- A Critical MTC Resource Allocation Approach for LTE Networks With Finite Blocklength Codes. *Abdelsadek, M.Y., +, TVT May 2020 5598-5609*
- A Joint Iterative Optimal Resource Allocation Algorithm for Non-Orthogonal Multi-User and Multi-Weight Opportunistic Beamforming Systems. *Sun, W., +, TVT March 2020 2864-2877*
- A Model-Driven Deep Reinforcement Learning Heuristic Algorithm for Resource Allocation in Ultra-Dense Cellular Networks. *Liao, X., +, TVT Jan. 2020 983-997*
- A New Block-Based Reinforcement Learning Approach for Distributed Resource Allocation in Clustered IoT Networks. *Hussain, F., +, TVT March 2020 2891-2904*
- A Parking Slot Allocation Framework Based on Virtual Voting and Adaptive Pricing Algorithm. *Hassija, V., +, TVT June 2020 5945-5957*
- A Resource Sharing Scheme for Intercell D2D Communication in Cellular Networks: A Repeated Game Theoretic Approach. *Barik, P.K., +, TVT July 2020 7806-7820*
- A Restless MAB-Based Index Policy for UL Pilot Allocation in Massive MIMO Over Gauss-Markov Fading Channels. *Yang, F., +, TVT March 2020 3034-3047*
- A Speed Adaptive Joint Subcarrier and Power Allocation Technique for Downlink OFDMA Video Transmission Over Doubly Selective Channels. *Raphel, F., +, TVT Feb. 2020 1879-1887*
- A Two-Layered Incentive Scheme for Cooperation in Sliced 5G D2D Networks. *Sun, Q., +, TVT Nov. 2020 13289-13304*
- A Two-Timescale Approach for Network Slicing in C-RAN. *Zhang, H., +, TVT June 2020 6656-6669*
- Adaptive Bitrate Video Streaming in Non-Orthogonal Multiple Access Networks. *Zhang, J., +, TVT April 2020 3980-3993*
- An Adaptive Computation Offloading Mechanism for Mobile Health Applications. *Dai, S., +, TVT Jan. 2020 998-1007*
- An Adaptive State Machine Based Energy Management Strategy for a Multi-Stack Fuel Cell Hybrid Electric Vehicle. *Macias Fernandez, A., +, TVT Jan. 2020 220-234*
- An Energy-Efficient Resource Allocation Scheme for SWIPT-NOMA Based Femtocells Users With Imperfect CSI. *Budhiraja, I., +, TVT July 2020 7790-7805*
- An Online Buffer-Aware Resource Allocation Algorithm for Multiuser Mobile Video Streaming. *Huang, G., +, TVT March 2020 3357-3369*
- Analysis of DF Relay Selection in Massive MIMO Systems With Hardware Impairments. *Kazemi, M., +, TVT June 2020 6141-6152*
- Blind Cancellation in Radar-Based Self Driving Vehicles. *Singh, R., +, TVT July 2020 6977-6986*
- Blockchain Meets Edge Computing: Stackelberg Game and Double Auction Based Task Offloading for Mobile Blockchain. *Guo, S., +, TVT May 2020 5549-5561*
- Buffer-Aided Secure Relay Networks With SWIPT. *Ren, J., +, TVT June 2020 6485-6499*
- Caching Placement and Resource Allocation for Cache-Enabling UAV NOMA Networks. *Zhang, T., +, TVT Nov. 2020 12897-12911*
- Channel-Aware Power Allocation and Decoding Order in Overlay Cognitive NOMA Networks. *Li, G., +, TVT June 2020 6511-6524*
- Coded Caching for Smart Grid Enabled HetNets With Resource Allocation and Energy Cooperation. *Yin, F., +, TVT Oct. 2020 12058-12071*
- Communication and Computing Resource Optimization for Connected Autonomous Driving. *Xiong, K., +, TVT Nov. 2020 12652-12663*
- Computation Offloading in Hierarchical Multi-Access Edge Computing Based on Contract Theory and Bayesian Matching Game. *Su, C., +, TVT Nov. 2020 13686-13701*
- Cross-Media Communications With Decode-and-Forward Relay and Optimal Power Allocation. *Li, Y., +, TVT Aug. 2020 9201-9205*
- Deep Neural Network for Resource Management in NOMA Networks. *Yang, N., +, TVT Jan. 2020 876-886*
- Deep Reinforcement Learning-Based Resource Allocation and Power Control in Small Cells With Limited Information Exchange. *Jang, J., +, TVT Nov. 2020 13768-13783*
- Delay Minimization for Massive MIMO Assisted Mobile Edge Computing. *Zeng, M., +, TVT June 2020 6788-6792*
- Delay-Aware Resource Management for Multi-Service Coexisting LTE-D2D Networks With Wireless Network Virtualization. *Han, Y., +, TVT July 2020 7339-7353*
- Delay-Constrained Beamforming and Resource Allocation in Full Duplex Systems. *Kabir, M.T., +, TVT March 2020 3476-3480*
- Dynamic Network Slicing and Resource Allocation in Mobile Edge Computing Systems. *Feng, J., +, TVT July 2020 7863-7878*

- Dynamic Resource Allocation for Scalable Video Multirate Multicast Over Wireless Networks. *Chen, S.*, +, *TVT Sept. 2020 10227-10241*
- Edge Intelligence for Energy-Efficient Computation Offloading and Resource Allocation in 5G Beyond. *Dai, Y.*, +, *TVT Oct. 2020 12175-12186*
- Efficient Resource Allocation and Power Control for LTE-A D2D Communication With Pure D2D Model. *Lai, W.*, +, *TVT March 2020 3202-3216*
- Efficient Resource Allocation in SCMA-Enabled Device-to-Device Communication for 5G Networks. *Sultana, A.*, +, *TVT May 2020 5343-5354*
- End-to-End Slicing With Optimized Communication and Computing Resource Allocation in Multi-Tenant 5G Systems. *Chien, H.*, +, *TVT Feb. 2020 2079-2091*
- Energy Efficiency for RF-Powered Backscatter Networks Using HTT Protocol. *Shi, L.*, +, *TVT Nov. 2020 13932-13936*
- Energy Efficient Resource Allocation for Underlying Multi-D2D Enabled Multiple-Antennas Communications. *Ozbek, B.*, +, *TVT June 2020 6189-6199*
- Energy- and Spectral-Efficiency Tradeoff With α -Fairness in Energy Harvesting D2D Communication. *Kuang, Z.*, +, *TVT Sept. 2020 9972-9983*
- Energy-Efficient Power Allocation and Q-Learning-Based Relay Selection for Relay-Aided D2D Communication. *Wang, X.*, +, *TVT June 2020 6452-6462*
- Energy-Efficient Power Allocation and User Selection for mmWave-NOMA Transmission in M2M Communications Underlying Cellular Heterogeneous Networks. *Sobhi-Givi, S.*, +, *TVT Sept. 2020 9866-9881*
- Energy-Efficient Resource Allocation for High-Rate Underlay D2D Communications With Statistical CSI: A One-to-Many Strategy. *Li, R.*, +, *TVT April 2020 4006-4018*
- Energy-Efficient Resource Allocation for Latency-Sensitive Mobile Edge Computing. *Chen, X.*, +, *TVT Feb. 2020 2246-2262*
- Energy-Efficient UAV-Assisted Mobile Edge Computing: Resource Allocation and Trajectory Optimization. *Li, M.*, +, *TVT March 2020 3424-3438*
- Enhancing Video Streaming in Vehicular Networks via Resource Slicing. *Khan, H.*, +, *TVT April 2020 3513-3522*
- Equilibrium Problems With Equilibrium Constraints Analysis for Power Control and User Scheduling in NOMA Networks. *Zhang, H.*, +, *TVT May 2020 5467-5480*
- Fairness-Aware Intragroup Cooperative Transmission in Wireless Powered Communication Networks. *Mao, Z.*, +, *TVT June 2020 6463-6472*
- Full-Duplex and Backhaul-Constrained UAV-Enabled Networks Using NOMA. *Youssef, M.*, +, *TVT Sept. 2020 9667-9681*
- Hierarchical Offloading for Delay-Constrained Applications in Fog RAN. *Guo, K.*, +, *TVT April 2020 4257-4270*
- Hierarchical Resource Allocation in Multi-Service Wireless Networks With Wireless Network Virtualization. *Han, Y.*, +, *TVT Oct. 2020 11811-11827*
- Hybrid Beamforming for Multi-User Millimeter-Wave Networks. *Nasir, A.A.*, +, *TVT March 2020 2943-2956*
- Impact of Prediction Errors on High Throughput Predictive Resource Allocation. *Guo, J.*, +, *TVT Sept. 2020 9984-9999*
- Importance-Aware Data Selection and Resource Allocation in Federated Edge Learning System. *He, Y.*, +, *TVT Nov. 2020 13593-13605*
- Improving PHY-Security of UAV-Enabled Transmission With Wireless Energy Harvesting: Robust Trajectory Design and Communications Resource Allocation. *Mamaghani, M.T.*, +, *TVT Aug. 2020 8586-8600*
- Incremental Decode-and-Forward Protocols for D2D Communication: A Diversity-Multiplexing-Tradeoff Perspective. *Yang, T.*, +, *TVT Nov. 2020 13927-13931*
- Integrated Resource Management for Terrestrial-Satellite Systems. *Fu, S.*, +, *TVT March 2020 3256-3266*
- Joint Long-Term Admission Control and Beamforming in Green Downlink Networks: Offline and Online Approaches. *Lin, J.*, +, *TVT Aug. 2020 8710-8724*
- Joint Mode Selection and Power Control for Interference Management in D2D-Enabled Heterogeneous Cellular Networks. *Liu, X.*, +, *TVT Sept. 2020 9707-9719*
- Joint Optimal Software Caching, Computation Offloading and Communications Resource Allocation for Mobile Edge Computing. *Wen, W.*, +, *TVT July 2020 7879-7894*
- Joint Optimization of Cooperative Communication and Computation in Two-Way Relay MEC Systems. *Xie, B.*, +, *TVT April 2020 4596-4600*
- Joint Optimization of Handover Control and Power Allocation Based on Multi-Agent Deep Reinforcement Learning. *Guo, D.*, +, *TVT Nov. 2020 13124-13138*
- Joint Optimization of Offloading and Resources Allocation in Secure Mobile Edge Computing Systems. *Wang, J.*, +, *TVT Aug. 2020 8843-8854*
- Joint Optimization Strategy of Computation Offloading and Resource Allocation in Multi-Access Edge Computing Environment. *Li, H.*, +, *TVT Sept. 2020 10214-10226*
- Joint Power and Subcarrier Allocation Optimization for Multigroup Multicast Systems With Rate Splitting. *Chen, H.*, +, *TVT Feb. 2020 2306-2310*
- Joint Resource Allocation and Computation Offloading With Time-Varying Fading Channel in Vehicular Edge Computing. *Li, S.*, +, *TVT March 2020 3384-3398*
- Joint Resource Management With Distributed Uplink Power Control in Full-Duplex OFDMA Networks. *Sultan, R.*, +, *TVT March 2020 2850-2863*
- Joint Task Offloading and Payment Determination for Mobile Edge Computing: A Stable Matching Based Approach. *Wang, X.*, +, *TVT Oct. 2020 12148-12161*
- Joint User Pairing, Subchannel Assignment and Power Allocation in Cooperative Non-Orthogonal Multiple Access Networks. *Lamba, A.K.*, +, *TVT Oct. 2020 11790-11799*
- Latency Constrained Non-Orthogonal Packets Scheduling With Finite Blocklength Codes. *Xu, Y.*, +, *TVT Oct. 2020 12312-12316*
- Latency Minimization for D2D-Enabled Partial Computation Offloading in Mobile Edge Computing. *Saleem, U.*, +, *TVT April 2020 4472-4486*
- Latency Optimization for Cellular Assisted Mobile Edge Computing via Non-Orthogonal Multiple Access. *Qian, L.*, +, *TVT May 2020 5494-5507*
- Learn to Coloring: Fast Response to Perturbation in UAV-Assisted Disaster Relief Networks. *Wang, B.*, +, *TVT March 2020 3505-3509*
- Learning to Branch: Accelerating Resource Allocation in Wireless Networks. *Lee, M.*, +, *TVT Jan. 2020 958-970*
- Leveraging Dynamic Stackelberg Pricing Game for Multi-Mode Spectrum Sharing in 5G-VANET. *Qian, B.*, +, *TVT June 2020 6374-6387*
- Lifetime Maximization in Mobile Edge Computing Networks. *Gupta, S.*, +, *TVT March 2020 3310-3321*
- Location Based Joint Spectrum Sensing and Radio Resource Allocation in Cognitive Radio Enabled LTE-U Systems. *Yang, Q.*, +, *TVT March 2020 2967-2979*
- MB-GVNS: Memetic Based Bidirectional General Variable Neighborhood Search for Time-Sensitive Task Allocation in Mobile Crowd Sensing. *Wang, H.*, +, *TVT Feb. 2020 2219-2229*
- Mechanism Design for Wireless Powered Spatial Crowdsourcing Networks. *Jiao, Y.*, +, *TVT Jan. 2020 920-934*
- Mobility Prediction Based Proactive Dynamic Network Orchestration for Load Balancing With QoS Constraint (OPERA). *Farooq, H.*, +, *TVT March 2020 3370-3383*
- Mobility-Aware Multi-User Offloading Optimization for Mobile Edge Computing. *Zhan, W.*, +, *TVT March 2020 3341-3356*
- Mobility-Aware Subband and Beam Resource Allocation Schemes for Millimeter Wave Wireless Networks. *Shen, L.*, +, *TVT Oct. 2020 11893-11908*
- Mode Selection and Resource Allocation in Sliced Fog Radio Access Networks: A Reinforcement Learning Approach. *Xiang, H.*, +, *TVT April 2020 4271-4284*
- Multi-Agent Deep Reinforcement Learning for Distributed Resource Management in Wirelessly Powered Communication Networks. *Hwang, S.*, +, *TVT Nov. 2020 14055-14060*
- Multi-Agent Deep Reinforcement Learning-Based Flexible Satellite Payload for Mobile Terminals. *Hu, X.*, +, *TVT Sept. 2020 9849-9865*
- Multi-Armed Bandit Learning for Computation-Intensive Services in MEC-Empowered Vehicular Networks. *Dai, P.*, +, *TVT July 2020 7821-7834*
- Multi-Task Learning at the Mobile Edge: An Effective Way to Combine Traffic Classification and Prediction. *Rago, A.*, +, *TVT Sept. 2020 10362-10374*

- Network Function Virtualization Resource Allocation Based on Joint Benders Decomposition and ADMM. *Yu, Y., +, TVT Feb. 2020 1706-1718*
- Network Slicing Enabled Resource Management for Service-Oriented Ultra-Reliable and Low-Latency Vehicular Networks. *Chen, Y., +, TVT July 2020 7847-7862*
- On Cooperative Achievable Rates of UAV Assisted Cellular Networks. *Song, Y., +, TVT Sept. 2020 9882-9895*
- On Delay-Aware Resource Control With Statistical QoS Provisioning By Dual Connectivity in Heterogeneous Aeronautical Network. *Wang, D., +, TVT March 2020 2915-2927*
- On the Multiplexing of Data and Metadata for Ultra-Reliable Low-Latency Communications in 5G. *Karimi, A., +, TVT Oct. 2020 12136-12147*
- On Throughput Optimization and Bound Analysis in Cache-Enabled Fiber-Wireless Networks. *Gu, Z., +, TVT Aug. 2020 9068-9082*
- On Wireless Blind Spots in the C-V2X Sidelink. *Bazzi, A., +, TVT Aug. 2020 9239-9243*
- Optimal Power Allocation in Cooperative Networks With Energy-Saving Protocols. *Ojo, F.K., +, TVT May 2020 5079-5088*
- Optimal Resource Allocation for Multicarrier NOMA in Short Packet Communications. *Chen, J., +, TVT Feb. 2020 2141-2156*
- Optimal Resource Allocation in Cellular Networks With H2H/M2M Coexistence. *Alhussien, N., +, TVT Nov. 2020 12951-12962*
- Optimal Resource Allocation in Ground Wireless Networks Supporting Unmanned Aerial Vehicle Transmissions. *Hu, Y., +, TVT Aug. 2020 8972-8984*
- Optimal Uplink Pilot-Data Power Allocation for Large-Scale Antenna Array-Aided OFDM Systems. *Guo, X., +, TVT Jan. 2020 428-442*
- Optimization of Data Exchange in 5G Vehicle-to-Infrastructure Edge Networks. *Huang, T., +, TVT Sept. 2020 9376-9389*
- Optimizing Live Layered Video Multicasting Over LTE With Mobile Edge Computing. *Hwang, R., +, TVT Oct. 2020 12072-12084*
- Pair Auction and Matching for Resource Allocation in Full-Duplex Cellular Systems. *Chao, C., +, TVT April 2020 4325-4339*
- Pairing Distance Resolution and Power Control for Massive Connectivity Improvement in NOMA Systems. *Mounchili, S., +, TVT April 2020 4093-4103*
- PARC: Placement Availability Resilient Controller Scheme for Software-Defined Datacenters. *Chaudhary, R., +, TVT Aug. 2020 8985-9001*
- Performance Analysis and Power Allocation Strategy for Downlink NOMA Systems in Large-Scale Cellular Networks. *Wang, J., +, TVT March 2020 3459-3464*
- Performance Analysis of a Delay Constrained Data Offloading Scheme in an Integrated Cloud-Fog-Edge Computing System. *Fantacci, R., +, TVT Oct. 2020 12004-12014*
- Pilot Design and Allocation for Multi-Cell Massive MIMO Systems With Two-Tier Receiving. *Hu, A., TVT July 2020 7443-7457*
- PLS-Based Secrecy Transmission for VANETs. *Song, H., +, TVT July 2020 7596-7608*
- Power Allocation for Intelligent Interference Exploitation Aided Physical-Layer Security in OFDM-Based Heterogeneous Cellular Networks. *Jiang, Y., +, TVT March 2020 3021-3033*
- Power and Bandwidth Allocation for Multi-Target Tracking in Collocated MIMO Radar. *Zhang, H., +, TVT Sept. 2020 9795-9806*
- Predicted Decoupling for Coexistence Between WiFi and LTE in Unlicensed Band. *Tian, F., +, TVT April 2020 4130-4141*
- Pricing Based Distributed Traffic Allocation for 5G Heterogeneous Networks. *Passas, V., +, TVT Oct. 2020 12111-12123*
- Prospects of 60 GHz mmWave WBAN: A PHY-MAC Joint Approach. *Anjum, M.N., +, TVT June 2020 6153-6164*
- QoS-Aware Self-Tuning of Service Priority Factor for Resource Allocation Optimization in LTE Networks. *Uthansakul, P., +, TVT Jan. 2020 887-900*
- QoS Guaranteed Edge Cloud Resource Provisioning for Vehicle Fleets. *Tang, G., +, TVT June 2020 5889-5900*
- QoS Optimisation of eMBB Services in Converged 5G-Satellite Networks. *de Cola, T., +, TVT Oct. 2020 12098-12110*
- Real-Time QoS Optimization for Vehicular Edge Computing With Off-Grid Roadside Units. *Ku, Y., +, TVT Oct. 2020 11975-11991*
- Receive Beamforming and Resource Allocation for Wireless Powered Non-Orthogonal Multiple Access. *Lee, C., +, TVT April 2020 4563-4568*
- Research on Cost-Balanced Mobile Energy Replenishment Strategy for Wireless Rechargeable Sensor Networks. *Sha, C., +, TVT March 2020 3135-3150*
- Resource Allocation and Basestation Placement in Downlink Cellular Networks Assisted by Multiple Wireless Powered UAVs. *Yin, S., +, TVT Feb. 2020 2171-2184*
- Resource Allocation and Trajectory Optimization for QoE Provisioning in Energy-Efficient UAV-Enabled Wireless Networks. *Zeng, F., +, TVT July 2020 7634-7647*
- Resource Allocation for 5G-Enabled Vehicular Networks in Unlicensed Frequency Bands. *Li, P., +, TVT Nov. 2020 13546-13555*
- Resource Allocation for Cellular V2X Networks Mode-3 With Underlay Approach in LTE-V Standard. *Aslani, R., +, TVT Aug. 2020 8601-8612*
- Resource Allocation for Intelligent Reflecting Surface Aided Vehicular Communications. *Chen, Y., +, TVT Oct. 2020 12321-12326*
- Resource Allocation for Multi-Tenant Network Slicing: A Multi-Leader Multi-Follower Stackelberg Game Approach. *Tran, T.D., +, TVT Aug. 2020 8886-8899*
- Resource Allocation in Green Dense Cellular Networks: Complexity and Algorithms. *Mlika, Z., +, TVT Feb. 2020 1994-2007*
- Resource Cube: Multi-Virtual Resource Management for Integrated Satellite-Terrestrial Industrial IoT Networks. *Chen, D., +, TVT Oct. 2020 11963-11974*
- Resources Allocation at the Physical Layer for Network Function Virtualization Deployment. *Xie, N., +, TVT March 2020 2771-2784*
- SDP-IGD: An Iterative Power Allocation Technique for Cluster-Based Multihop Vehicular Communications. *Alam, M.Z., +, TVT July 2020 7908-7915*
- Secrecy Rate Maximization via Radio Resource Allocation in Cellular Underlying V2V Communications. *Liu, Y., +, TVT July 2020 7281-7294*
- Secure Transmission via Power Allocation in NOMA-UAV Networks With Circular Trajectory. *Chen, X., +, TVT Sept. 2020 10033-10045*
- Security Enhancement for NOMA-UAV Networks. *Zhao, N., +, TVT April 2020 3994-4005*
- Service-Oriented Fair Resource Allocation and Auction for Civil Aircrafts Augmented Space-Air-Ground Integrated Networks. *Chen, Q., +, TVT Nov. 2020 13658-13672*
- Spectral Efficiency Optimization and Interference Management for Multi-Hop D2D Communications in VANETs. *Yang, F., +, TVT June 2020 6422-6436*
- Subchannel Allocation Based on Clustered Interference Alignment for Differentiated Data Streams in Dense Small Cell Networks. *Zhang, H., +, TVT Nov. 2020 14049-14054*
- System-Centric Computation Energy Efficiency for Distributed NOMA-Based MEC Networks. *Ye, Y., +, TVT Aug. 2020 8938-8948*
- Task Offloading in Vehicular Edge Computing Networks: A Load-Balancing Solution. *Zhang, J., +, TVT Feb. 2020 2092-2104*
- Throughput Maximization of a Hybrid EH-SWIPT Relay System Under Temperature Constraints. *Oshaghi, M., +, TVT Feb. 2020 1792-1801*
- Tradeoff Between Ergodic Energy Efficiency and Spectral Efficiency in D2D Communications Under Rician Fading Channel. *Mili, M.R., +, TVT Sept. 2020 9750-9766*
- Twin-Timescale Radio Resource Management for Ultra-Reliable and Low-Latency Vehicular Networks. *Yang, H., +, TVT Jan. 2020 1023-1036*
- Two-Way Dual-Hop WPCN With A Practical Energy Harvesting Model. *Ramezani, P., +, TVT July 2020 8013-8017*
- UAV Virtualization for Enabling Heterogeneous and Persistent UAV-as-a-Service. *Pathak, N., +, TVT June 2020 6731-6738*
- Uplink Performance Improvement for Downlink-Uplink Decoupled HetNets With Non-Uniform User Distribution. *Sun, K., +, TVT July 2020 7518-7530*
- User Access and Resource Allocation in Full-Duplex User-Centric Ultra-Dense Networks. *Zhang, G., +, TVT Oct. 2020 12015-12030*
- Utility Analysis of Radio Access Network Slicing. *Zhou, G., +, TVT Jan. 2020 1163-1167*

Video Caching and Transcoding in Wireless Cellular Networks With Mobile Edge Computing: A Robust Approach. *Wang, C.*, +, *TVT Aug. 2020 9234-9238*

Whale Optimization Algorithm With Applications to Resource Allocation in Wireless Networks. *Pham, Q.*, +, *TVT April 2020 4285-4297*

Resource management

An Autonomous Transmission Scheme Using Dueling DQN for D2D Communication Networks. *Ban, T.*, *TVT Dec. 2020 16348-16352*

Analysis of Traffic Performance on Network Slicing Using Complex Network Theory. *Guan, W.*, +, *TVT Dec. 2020 15188-15199*

Deep Learning Based Power Allocation for Workload Driven Full-Duplex D2D-Aided Underlying Networks. *Du, C.*, +, *TVT Dec. 2020 15880-15892*

Device Association for RAN Slicing Based on Hybrid Federated Deep Reinforcement Learning. *Liu, Y.*, +, *TVT Dec. 2020 15731-15745*

Downlink Transmit Power Control in Ultra-Dense UAV Network Based on Mean Field Game and Deep Reinforcement Learning. *Li, L.*, +, *TVT Dec. 2020 15594-15605*

Efficient Subchannel Allocation Based on Partial Clustered Interference Alignment and Clusters Merging in Dense Small Cell Networks. *Zhang, H.*, +, *TVT Dec. 2020 16191-16196*

Energy Efficient Relay Selection and Resource Allocation in D2D-Enabled Mobile Edge Computing. *Li, Y.*, +, *TVT Dec. 2020 15800-15814*

Energy-Efficient and Delay-Fair Mobile Computation Offloading. *Mu, S.*, +, *TVT Dec. 2020 15746-15759*

Energy-Minimization Task Offloading and Resource Allocation for Mobile Edge Computing in NOMA Heterogeneous Networks. *Xu, C.*, +, *TVT Dec. 2020 16001-16016*

How Much Can Radio Resource Allocation Help to Improve Secrecy Capacity of V2V Underlay Cellular Networks?. *Luo, X.*, +, *TVT Dec. 2020 14932-14944*

Incentive Mechanism for Cooperative Localization in Wireless Networks. *Zhu, Y.*, +, *TVT Dec. 2020 15920-15932*

New NOMA-Based Two-Way Relay Networks. *Fang, Z.*, +, *TVT Dec. 2020 15314-15324*

On NOMA-Based mmWave Communications. *Tian, Y.*, +, *TVT Dec. 2020 15398-15411*

Optimal Pilot Power Based Channel Estimation Improves the Throughput of Intelligent Reflective Surface Assisted Systems. *An, J.*, +, *TVT Dec. 2020 16202-16206*

Optimal Resource Allocation for RF-Powered Underlay Cognitive Radio Networks With Ambient Backscatter Communication. *Zhuang, Y.*, +, *TVT Dec. 2020 15216-15228*

Outage Performance of CDF-Based Scheduling in Downlink and Uplink NOMA Systems. *Lu, H.*, +, *TVT Dec. 2020 14945-14959*

Power Allocation and Outage Analysis for Secure MISO Cognitive Radio Networks With an Unknown Eavesdropper. *Jia, S.*, +, *TVT Dec. 2020 16294-16298*

Priority-Aware Task Offloading in Vehicular Fog Computing Based on Deep Reinforcement Learning. *Shi, J.*, +, *TVT Dec. 2020 16067-16081*

Reconfigurable Intelligent Surface (RIS)-Enhanced Two-Way OFDM Communications. *Pradhan, C.*, +, *TVT Dec. 2020 16270-16275*

Reducing the Mutual Outage Probability of Cooperative Non-Orthogonal Multiple Access. *Riaz, S.*, +, *TVT Dec. 2020 16207-16212*

Reputation Based Attacker Identification Policy for Multi-Access Edge Computing in Internet of Things. *Sandal, Y.S.*, +, *TVT Dec. 2020 15346-15356*

Resource Allocation for Edge Computing-Based Vehicle Platoon on Freeway: A Contract-Optimization Approach. *Yang, C.*, +, *TVT Dec. 2020 15988-16000*

Spatial Resource Management in LEO Satellite. *Ivanov, A.*, +, *TVT Dec. 2020 15623-15632*

Spectral Efficiency of Dynamic Licensed Shared Access. *Omidare, S.O.*, +, *TVT Dec. 2020 15149-15161*

Spectral Efficiency Optimization for Next Generation NOMA-Enabled IoT Networks. *Khan, W.U.*, +, *TVT Dec. 2020 15284-15297*

Spectral Efficient Resource Allocation for URLLC in Distributed Antenna Systems. *Hong, J.*, +, *TVT Dec. 2020 15057-15067*

Strategy-Proof Spectrum Allocation Among Multiple Operators in Wireless Networks. *Yadav, I.*, +, *TVT Dec. 2020 15964-15977*

Response surface methodology

Global Synchronous Optimization Including Intake Valves and Exhaust Valves Based on MODM Strategy. *Lu, Y.*, +, *TVT Dec. 2020 14858-14868*

RF signals

Optimal Non-Coherent Detector for Ambient Backscatter Communication System. *Guruacharya, S.*, +, *TVT Dec. 2020 16197-16201*

Rician channels

An Experimental Investigation of Enhanced SM-OFDM Over Indoor Rician Multipath Channels. *Jiang, K.*, +, *TVT Feb. 2020 2291-2295*

Impact of UAV Wobbling on the Air-to-Ground Wireless Channel. *Banagar, M.*, +, *TVT Nov. 2020 14025-14030*

Joint User Identification and Channel Estimation Over Rician Fading Channels. *Wu, L.*, +, *TVT June 2020 6803-6807*

Measurements and Analysis of Propagation Channels in Vehicle-to-Infrastructure Scenarios. *Li, W.*, +, *TVT April 2020 3550-3561*

Multi-Feature Fusion Based Recognition and Relevance Analysis of Propagation Scenes for High-Speed Railway Channels. *Zhou, T.*, +, *TVT Aug. 2020 8107-8118*

New Results on the Second Order Scattering Fading Model: Amount of Fading and Energy Detection. *Lopez-Fernandez, J.*, +, *TVT Jan. 2020 1037-1040*

Outage Behaviors of NOMA-Based Satellite Network Over Shadowed-Rician Fading Channels. *Yue, X.*, +, *TVT June 2020 6818-6821*

Performance Analysis of Full-Duplex Massive MIMO Systems With Low-Resolution ADCs/DACs Over Rician Fading Channels. *Ding, Q.*, +, *TVT July 2020 7389-7403*

Polar Codes for Fast Fading Channel: Design Based on Polar Spectrum. *Niu, K.*, +, *TVT Sept. 2020 10103-10114*

Relay Outdatedness Under MRC Deployment. *Le, K.N.*, *TVT March 2020 2802-2811*

Secrecy Analysis Over Cascaded κ - μ Fading Channels With Multiple Eavesdroppers. *Tashman, D.H.*, +, *TVT Aug. 2020 8433-8442*

Secrecy Under Rayleigh-Dual Correlated Rician Fading Employing Opportunistic Relays and an Adaptive Encoder. *Le, K.N.*, +, *TVT May 2020 5179-5192*

Short-Term Power Constrained Cell-Free Massive-MIMO Over Spatially Correlated Ricean Fading. *Femenias, G.*, +, *TVT Dec. 2020 15200-15215*

Three-Dimensional Modeling of mmWave Doubly Massive MIMO Aerial Fading Channels. *Michailidis, E.T.*, +, *TVT Feb. 2020 1190-1202*

Tradeoff Between Ergodic Energy Efficiency and Spectral Efficiency in D2D Communications Under Rician Fading Channel. *Mili, M.R.*, +, *TVT Sept. 2020 9750-9766*

Rigidity

Assessment of the High-Frequency Response in Railway Pantograph-Catenary Interaction Based on Numerical Simulation. *Song, Y.*, +, *TVT Oct. 2020 10596-10605*

Risk analysis

VeRA: A Simplified Security Risk Analysis Method for Autonomous Vehicles. *Cui, J.*, +, *TVT Oct. 2020 10494-10505*

Risk management

VeRA: A Simplified Security Risk Analysis Method for Autonomous Vehicles. *Cui, J.*, +, *TVT Oct. 2020 10494-10505*

Rivers

Analysis of M-QAM Modulated Underwater Wireless Optical Communication System for Reconfigurable UOWSNs Employed in River Meets Ocean Scenario. *Uppalapati, A.*, +, *TVT Dec. 2020 15244-15252*

Road accidents

A Decision-Making Strategy for Vehicle Autonomous Braking in Emergency via Deep Reinforcement Learning. *Fu, Y.*, +, *TVT June 2020 5876-5888*

An Augmentation Function for Active Pedestrian Safety System Based on Crash Risk Evaluation. *Yue, L.*, +, *TVT Nov. 2020 12459-12469*

Trust Management Scheme Based on Hybrid Cryptography for Secure Communications in VANETs. *Tangade, S.*, +, *TVT May 2020 5232-5243*

Unsupervised Drowsy Driving Detection With RFID. *Yang, C.*, +, *TVT Aug. 2020 8151-8163*

Road pricing (tolls)

DwaRa: A Deep Learning-Based Dynamic Toll Pricing Scheme for Intelligent Transportation Systems. *Shukla, A.*, +, *TVT Nov. 2020 12510-12520*

Road safety

A Decision-Making Strategy for Vehicle Autonomous Braking in Emergency via Deep Reinforcement Learning. *Fu, Y.*, +, *TVT June 2020 5876-5888*

A Real-Time Collision Prediction Mechanism With Deep Learning for Intelligent Transportation System. *Wang, X.*, +, *TVT Sept. 2020 9497-9508*

A Secure Flexible and Tampering-Resistant Data Sharing System for Vehicular Social Networks. *Sun, J.*, +, *TVT Nov. 2020 12938-12950*

An Augmentation Function for Active Pedestrian Safety System Based on Crash Risk Evaluation. *Yue, L.*, +, *TVT Nov. 2020 12459-12469*

Capturing the Impact of Speed, Grade, and Traffic on Class 8 Truck Platooning. *Taylor, A.H.*, +, *TVT Oct. 2020 10506-10518*

Collision Imminent Steering at High Speed Using Nonlinear Model Predictive Control. *Wurts, J.*, +, *TVT Aug. 2020 8278-8289*

Communication and Computing Resource Optimization for Connected Autonomous Driving. *Xiong, K.*, +, *TVT Nov. 2020 12652-12663*

Content Delivery Based on Vehicular Cloud. *Wang, X.*, +, *TVT Feb. 2020 2105-2113*

Cyber-Physical Scheduling for Predictable Reliability of Inter-Vehicle Communications. *Li, C.*, +, *TVT April 2020 4192-4206*

Deep Learning-Based Driving Maneuver Prediction System. *Ou, C.*, +, *TVT Feb. 2020 1328-1340*

Distributed Control of Cooperative Vehicular Platoon With Nonideal Communication Condition. *Ma, F.*, +, *TVT Aug. 2020 8207-8220*

Driving Maneuvers Prediction Based Autonomous Driving Control by Deep Monte Carlo Tree Search. *Chen, J.*, +, *TVT July 2020 7146-7158*

Early Recognition of Driving Intention for Lane Change Based on Recurrent Hidden Semi-Markov Model. *Liu, Q.*, +, *TVT Oct. 2020 10545-10557*

Enhancing the Fuel-Economy of V2I-Assisted Autonomous Driving: A Reinforcement Learning Approach. *Liu, X.*, +, *TVT Aug. 2020 8329-8342*

Ensuring Safety and Security in CAN-Based Automotive Embedded Systems: A Combination of Design Optimization and Secure Communication. *Mun, H.*, +, *TVT July 2020 7078-7091*

Evaluating Model Predictive Path Following and Yaw Stability Controllers for Over-Actuated Autonomous Electric Vehicles. *Zhang, W.*, +, *TVT Nov. 2020 12807-12821*

Extracting Human-Like Driving Behaviors From Expert Driver Data Using Deep Learning. *Sama, K.*, +, *TVT Sept. 2020 9315-9329*

Min-Max Model Predictive Vehicle Platooning With Communication Delay. *Lan, J.*, +, *TVT Nov. 2020 12570-12584*

Motion Planning Approach Considering Localization Uncertainty. *Artunedo, A.*, +, *TVT June 2020 5983-5994*

Multiobjective Optimization of Lane-Changing Strategy for Intelligent Vehicles in Complex Driving Environments. *Zhou, J.*, +, *TVT Feb. 2020 1291-1308*

On Wireless Blind Spots in the C-V2X Sidelink. *Bazzi, A.*, +, *TVT Aug. 2020 9239-9243*

On-Road Dynamic Pattern Projection Using an Active Mirror for Vehicle Warning Systems. *Han, D.*, +, *TVT May 2020 4947-4956*

Personalized Vehicle Trajectory Prediction Based on Joint Time-Series Modeling for Connected Vehicles. *Xing, Y.*, +, *TVT Feb. 2020 1341-1352*

RACE: Reinforced Cooperative Autonomous Vehicle Collision Avoidance. *Yuan, Y.*, +, *TVT Sept. 2020 9279-9291*

Robust Observer Based Intermittent Forces Estimation for Driver Intervention Identification. *Huang, C.*, +, *TVT April 2020 3628-3640*

Secure and Efficient Privacy-Preserving Authentication Scheme for 5G Software Defined Vehicular Networks. *Huang, J.*, +, *TVT Aug. 2020 8542-8554*

Trust Based Secure Content Delivery in Vehicular Networks: A Bargaining Game Theoretical Approach. *Li, J.*, +, *TVT March 2020 3267-3279*

Trust Management Scheme Based on Hybrid Cryptography for Secure Communications in VANETs. *Tangade, S.*, +, *TVT May 2020 5232-5243*

Unsupervised Drowsy Driving Detection With RFID. *Yang, C.*, +, *TVT Aug. 2020 8151-8163*

Vision-Based Personal Safety Messages (PSMs) Generation for Connected Vehicles. *Islam, M.*, +, *TVT Sept. 2020 9402-9416*

Wheel Modules With Distributed Controllers: A Multi-Agent Approach to Vehicular Control. *Tang, C.*, +, *TVT Oct. 2020 10879-10888*

Road traffic

A Joint Service Migration and Mobility Optimization Approach for Vehicular Edge Computing. *Yuan, Q.*, +, *TVT Aug. 2020 9041-9052*

Blind Cancellation in Radar-Based Self Driving Vehicles. *Singh, R.*, +, *TVT July 2020 6977-6986*

BSFP: Blockchain-Enabled Smart Parking With Fairness, Reliability and Privacy Protection. *Zhang, C.*, +, *TVT June 2020 6578-6591*

Capturing the Impact of Speed, Grade, and Traffic on Class 8 Truck Platooning. *Taylor, A.H.*, +, *TVT Oct. 2020 10506-10518*

Communication and Computing Resource Optimization for Connected Autonomous Driving. *Xiong, K.*, +, *TVT Nov. 2020 12652-12663*

Congestion Propagation Based Bottleneck Identification in Urban Road Networks. *Li, C.*, +, *TVT May 2020 4827-4841*

Content-Aware Traffic Data Completion in ITS Based on Generative Adversarial Nets. *Han, L.*, +, *TVT Oct. 2020 11950-11962*

Cyber-Physical Scheduling for Predictable Reliability of Inter-Vehicle Communications. *Li, C.*, +, *TVT April 2020 4192-4206*

Deep Learning-Based Driving Maneuver Prediction System. *Ou, C.*, +, *TVT Feb. 2020 1328-1340*

DwaRa: A Deep Learning-Based Dynamic Toll Pricing Scheme for Intelligent Transportation Systems. *Shukla, A.*, +, *TVT Nov. 2020 12510-12520*

Early Recognition of Driving Intention for Lane Change Based on Recurrent Hidden Semi-Markov Model. *Liu, Q.*, +, *TVT Oct. 2020 10545-10557*

EnLSTM-WPEO: Short-Term Traffic Flow Prediction by Ensemble LSTM, NNCT Weight Integration, and Population Extremal Optimization. *Zhao, F.*, +, *TVT Jan. 2020 101-113*

Feedbackless Relaying for Enhancing Reliability of Connected Vehicles. *Ali, G.G.M.N.*, +, *TVT May 2020 4621-4634*

Finding Reliable Paths Considering the Earliest Arrival Time and the Latest Departure Time With 3-Parameter Lognormal Travel Times. *Yang, Z.*, +, *TVT Oct. 2020 10457-10468*

Freeway Travel Time Prediction Using Deep Hybrid Model – Taking Sun Yat-Sen Freeway as an Example. *Ting, P.*, +, *TVT Aug. 2020 8257-8266*

Infrastructure-Less Vehicle Traffic Density Estimation via Distributed Packet Probing in V2V Network. *Shin, C.S.*, +, *TVT Oct. 2020 10403-10418*

Inter-Vehicle Distance Estimation Method Based on Monocular Vision Using 3D Detection. *Zhe, T.*, +, *TVT May 2020 4907-4919*

Latency and Reliability of mmWave Multi-Hop V2V Communications Under Relay Selections. *Li, Z.*, +, *TVT Sept. 2020 9807-9821*

Parking-Area-Assisted Spider-Web Routing Protocol for Emergency Data in Urban VANET. *Liu, H.*, +, *TVT Jan. 2020 971-982*

Performance Analysis for Uplink Transmission in User-Centric Ultra-Dense V2I Networks. *Wu, P.*, +, *TVT Sept. 2020 9342-9355*

Secure Real-Time Traffic Data Aggregation With Batch Verification for Vehicular Cloud in VANETs. *Shen, J.*, +, *TVT Jan. 2020 807-817*

Synthesis of Cooperative Adaptive Cruise Control With Feedforward Strategies. *Zhu, Y.*, +, *TVT April 2020 3615-3627*

Trust Management Scheme Based on Hybrid Cryptography for Secure Communications in VANETs. *Tangade, S.*, +, *TVT May 2020 5232-5243*

Using Reinforcement Learning to Minimize the Probability of Delay Occurrence in Transportation. *Cao, Z.*, +, *TVT March 2020 2424-2436*

Verifiable and Privacy-Preserving Traffic Flow Statistics for Advanced Traffic Management Systems. *Zhang, C.*, +, *TVT Sept. 2020 10336-10347*

Vision-Based Personal Safety Messages (PSMs) Generation for Connected Vehicles. *Islam, M.*, +, *TVT Sept. 2020 9402-9416*

Road traffic control

A Decision-Making Strategy for Vehicle Autonomous Braking in Emergency via Deep Reinforcement Learning. *Fu, Y.*, +, *TVT June 2020 5876-5888*

A Robust Traction Control Platform for AWD Vehicles With AWD TMU and eLSD. *Guo, Q.*, *TVT Aug. 2020 8395-8406*

An Edge Computing Based Public Vehicle System for Smart Transportation. *Lin, J.*, +, *TVT Nov. 2020 12635-12651*

An Efficient Security Scheme for Vehicular Communication Using a Quantum Secret Sharing Method. *Xiao, H.*, +, *TVT Jan. 2020 1101-1105*

Bundle Adjustment for Monocular Visual Odometry Based on Detections of Traffic Signs. *Zhang, Y.*, +, *TVT Jan. 2020 151-162*

Centralized Cooperation for Connected and Automated Vehicles at Intersections by Proximal Policy Optimization. *Guan, Y.*, +, *TVT Nov. 2020 12597-12608*

Collision Imminent Steering at High Speed Using Nonlinear Model Predictive Control. *Wurts, J.*, +, *TVT Aug. 2020 8278-8289*

Compensation of Communication Delays in a Cooperative ACC System. *Xing, H.*, +, *TVT Feb. 2020 1177-1189*

Deterministic Promotion Reinforcement Learning Applied to Longitudinal Velocity Control for Automated Vehicles. *Zhang, Y.*, +, *TVT Jan. 2020 338-348*

Ethical Decision-Making Platform in Autonomous Vehicles With Lexicographic Optimization Based Model Predictive Controller. *Wang, H.*, +, *TVT Aug. 2020 8164-8175*

Evaluating Model Predictive Path Following and Yaw Stability Controllers for Over-Actuated Autonomous Electric Vehicles. *Zhang, W.*, +, *TVT Nov. 2020 12807-12821*

Impact of Jamming Attacks on Vehicular Cooperative Adaptive Cruise Control Systems. *Alipour-Fanid, A.*, +, *TVT Nov. 2020 12679-12693*

IMU-Based Automated Vehicle Body Sideslip Angle and Attitude Estimation Aided by GNSS Using Parallel Adaptive Kalman Filters. *Xiong, L.*, +, *TVT Oct. 2020 10668-10680*

Look-Ahead Prediction-Based Real-Time Optimal Energy Management for Connected HEVs. *Xu, F.*, +, *TVT March 2020 2537-2551*

Min-Max Model Predictive Vehicle Platooning With Communication Delay. *Lan, J.*, +, *TVT Nov. 2020 12570-12584*

Multi-Agent Deep Reinforcement Learning for Urban Traffic Light Control in Vehicular Networks. *Wu, T.*, +, *TVT Aug. 2020 8243-8256*

Multiobjective Optimization of Lane-Changing Strategy for Intelligent Vehicles in Complex Driving Environments. *Zhou, J.*, +, *TVT Feb. 2020 1291-1308*

On-Road Dynamic Pattern Projection Using an Active Mirror for Vehicle Warning Systems. *Han, D.*, +, *TVT May 2020 4947-4956*

Performance Enhancement of INS/GNSS/Refreshed-SLAM Integration for Acceptable Lane-Level Navigation Accuracy. *Chiang, K.*, +, *TVT March 2020 2463-2476*

Personalized Vehicle Trajectory Prediction Based on Joint Time-Series Modeling for Connected Vehicles. *Xing, Y.*, +, *TVT Feb. 2020 1341-1352*

Prepositioning of a Land Vehicle Simulation-Based Motion Platform Using Fuzzy Logic and Neural Network. *Qazani, M.R.C.*, +, *TVT Oct. 2020 10446-10456*

Road transportation

Generation of Cooperative Perception Messages for Connected and Automated Vehicles. *Thandavarayan, G.*, +, *TVT Dec. 2020 16336-16341*

Road vehicle radar

Blind Cancellation in Radar-Based Self Driving Vehicles. *Singh, R.*, +, *TVT July 2020 6977-6986*

Doppler Influence on Waveform Orthogonality in 79 GHz MIMO Phase-Coded Automotive Radar. *Overdevest, J.*, +, *TVT Jan. 2020 16-25*

Full Waveform LiDAR for Adverse Weather Conditions. *Wallace, A.M.*, +, *TVT July 2020 7064-7077*

High-Resolution Delay-Doppler Estimation Using Received Communication Signals for OFDM Radar-Communication System. *Sanson, J.B.*, +, *TVT Nov. 2020 13112-13123*

Interference Characterization and Power Optimization for Automotive Radar With Directional Antenna. *Chu, P.*, +, *TVT April 2020 3703-3716*

Phase-Coded FMCW Automotive Radar: System Design and Interference Mitigation. *Uysal, F.*, *TVT Jan. 2020 270-281*

Radar Sensing-Throughput Tradeoff for Radar Assisted Cognitive Radio Enabled Vehicular Ad-Hoc Networks. *Huang, S.*, +, *TVT July 2020 7483-7492*

Super Resolution DOA Based on Relative Motion for FMCW Automotive Radar. *Zhang, W.*, +, *TVT Aug. 2020 8698-8709*

Super-Resolution Range and Velocity Estimations With OFDM Integrated Radar and Communications Waveform. *Liu, Y.*, +, *TVT Oct. 2020 11659-11672*

Road vehicles

A Decision-Making Strategy for Vehicle Autonomous Braking in Emergency via Deep Reinforcement Learning. *Fu, Y.*, +, *TVT June 2020 5876-5888*

A Real-Time Nonlinear Model Predictive Controller for Yaw Motion Optimization of Distributed Drive Electric Vehicles. *Guo, N.*, +, *TVT May 2020 4935-4946*

A Reinforcement Learning-Based Adaptive Path Tracking Approach for Autonomous Driving. *Shan, Y.*, +, *TVT Oct. 2020 10581-10595*

A Robust Traction Control Platform for AWD Vehicles With AWD TMU and eLSD. *Guo, Q.*, *TVT Aug. 2020 8395-8406*

A Universal and Reconfigurable Stability Control Methodology for Articulated Vehicles With Any Configurations. *Zhang, Y.*, +, *TVT April 2020 3748-3759*

Accessibility Analysis and Modeling for IoV in an Urban Scene. *Cheng, J.*, +, *TVT April 2020 4246-4256*

Adaptive Fault-Tolerant Control of Platoons With Guaranteed Traffic Flow Stability. *Guo, G.*, +, *TVT July 2020 6916-6927*

Adaptive Sliding Mode-Based Lateral Stability Control of Steer-by-Wire Vehicles With Experimental Validations. *Zhang, J.*, +, *TVT Sept. 2020 9589-9600*

An Adaptive Backstepping Sliding Mode Controller to Improve Vehicle Maneuverability and Stability via Torque Vectoring Control. *Zhang, L.*, +, *TVT March 2020 2598-2612*

An Energy-Saving Torque Vectoring Control Strategy for Electric Vehicles Considering Handling Stability Under Extreme Conditions. *Hu, X.*, +, *TVT Oct. 2020 10787-10796*

An Integrated GNSS/UWB/DR/VMM Positioning Strategy for Intelligent Vehicles. *Zhu, B.*, +, *TVT Oct. 2020 10842-10853*

Anomalous Trajectory Detection and Classification Based on Difference and Intersection Set Distance. *Wang, J.*, +, *TVT March 2020 2487-2500*

Blind Cancellation in Radar-Based Self Driving Vehicles. *Singh, R.*, +, *TVT July 2020 6977-6986*

Capturing the Impact of Speed, Grade, and Traffic on Class 8 Truck Platooning. *Taylor, A.H.*, +, *TVT Oct. 2020 10506-10518*

Collision Imminent Steering at High Speed Using Nonlinear Model Predictive Control. *Wurts, J.*, +, *TVT Aug. 2020 8278-8289*

Compensation of Communication Delays in a Cooperative ACC System. *Xing, H.*, +, *TVT Feb. 2020 1177-1189*

Connected Vehicle Based Distributed Meta-Learning for Online Adaptive Engine/Powertrain Fuel Consumption Modeling. *Ma, X.*, +, *TVT Sept. 2020 9553-9565*

Cyber-Physical Scheduling for Predictable Reliability of Inter-Vehicle Communications. *Li, C.*, +, *TVT April 2020 4192-4206*

Deep Learning-Based Driving Maneuver Prediction System. *Ou, C.*, +, *TVT Feb. 2020 1328-1340*

Distributed Control of Cooperative Vehicular Platoon With Nonideal Communication Condition. *Ma, F.*, +, *TVT Aug. 2020 8207-8220*

Distributed Deception Attack Detection in Platoon-Based Connected Vehicle Systems. *Ju, Z.*, +, *TVT May 2020 4609-4620*

Driving Maneuvers Prediction Based Autonomous Driving Control by Deep Monte Carlo Tree Search. *Chen, J.*, +, *TVT July 2020 7146-7158*

Early Recognition of Driving Intention for Lane Change Based on Recurrent Hidden Semi-Markov Model. *Liu, Q.*, +, *TVT Oct. 2020 10545-10557*

Edge-Facilitated Augmented Vision in Vehicle-to-Everything Networks. *Zhou, P.*, +, *TVT Oct. 2020 12187-12201*

Efficient 3D Road Map Data Exchange for Intelligent Vehicles in Vehicular Fog Networks. *Ho, I.W.*, +, *TVT March 2020 3151-3165*

Enhancing Misbehavior Detection in 5G Vehicle-to-Vehicle Communications. *Nguyen, V.*, +, *TVT Sept. 2020 9417-9430*

Ethical Decision-Making Platform in Autonomous Vehicles With Lexicographic Optimization Based Model Predictive Controller. *Wang, H.*, +, *TVT Aug. 2020 8164-8175*

- Evaluating Model Predictive Path Following and Yaw Stability Controllers for Over-Actuated Autonomous Electric Vehicles. *Zhang, W.*, +, *TVT Nov. 2020 12807-12821*
- Forecasts of Electric Vehicle Energy Consumption Based on Characteristic Speed Profiles and Real-Time Traffic Data. *Morlock, F.*, +, *TVT Feb. 2020 1404-1418*
- Fuel Minimization of the Electric Engine Cooling System With Active Grille Shutter by Iterative Quadratic Programming. *Feng, L.*, +, *TVT March 2020 2621-2635*
- Heuristic Monte Carlo Algorithm for Unmanned Ground Vehicles Realtime Localization and Mapping. *Chen, D.*, +, *TVT Oct. 2020 10642-10655*
- Impact of Jamming Attacks on Vehicular Cooperative Adaptive Cruise Control Systems. *Alipour-Fanid, A.*, +, *TVT Nov. 2020 12679-12693*
- IMU-Based Automated Vehicle Body Sideslip Angle and Attitude Estimation Aided by GNSS Using Parallel Adaptive Kalman Filters. *Xiong, L.*, +, *TVT Oct. 2020 10668-10680*
- Inertial Navigation and Position Uncertainty During a Blind Safe Stop of an Autonomous Vehicle. *Jonasson, M.*, +, *TVT May 2020 4788-4802*
- Inter-Vehicle Distance Estimation Method Based on Monocular Vision Using 3D Detection. *Zhe, T.*, +, *TVT May 2020 4907-4919*
- Latency and Reliability of mmWave Multi-Hop V2V Communications Under Relay Selections. *Li, Z.*, +, *TVT Sept. 2020 9807-9821*
- Link Reliability-Based Adaptive Routing for Multilevel Vehicular Networks. *Xu, C.*, +, *TVT Oct. 2020 11771-11785*
- Longitudinal Vehicle Speed Estimation for Four-Wheel-Independently-Actuated Electric Vehicles Based on Multi-Sensor Fusion. *Ding, X.*, +, *TVT Nov. 2020 12797-12806*
- Look-Ahead Prediction-Based Real-Time Optimal Energy Management for Connected HEVs. *Xu, F.*, +, *TVT March 2020 2537-2551*
- Low-Cost Reconstruction of Typical Driving Cycles Based on Empirical Information and Low-Frequency Speed Data. *Shi, S.*, +, *TVT Aug. 2020 8221-8231*
- MagLand: Magnetic Landmarks for Road Vehicle Localization. *Cruz, S.B.*, +, *TVT April 2020 3654-3667*
- Min-Max Model Predictive Vehicle Platooning With Communication Delay. *Lan, J.*, +, *TVT Nov. 2020 12570-12584*
- Modular Kinematic Modelling of Articulated Buses. *Michalek, M.M.*, +, *TVT Aug. 2020 8381-8394*
- Motion Planning Approach Considering Localization Uncertainty. *Artunedo, A.*, +, *TVT June 2020 5983-5994*
- Multiobjective Optimization of Lane-Changing Strategy for Intelligent Vehicles in Complex Driving Environments. *Zhou, J.*, +, *TVT Feb. 2020 1291-1308*
- On the Design of Yaw Rate Control via Variable Front-to-Total Anti-Roll Moment Distribution. *Ricco, M.*, +, *TVT Feb. 2020 1388-1403*
- On-Road Dynamic Pattern Projection Using an Active Mirror for Vehicle Warning Systems. *Han, D.*, +, *TVT May 2020 4947-4956*
- Optimal Anti-Lock Braking Control With Nonlinear Variable Voltage Charging Scheme for an Electric Vehicle. *Wang, J.*, +, *TVT July 2020 7211-7222*
- Optimal Coordinated Control of ARS and DYC for Four-Wheel Steer and In-Wheel Motor Driven Electric Vehicle With Unknown Tire Model. *Wang, Q.*, +, *TVT Oct. 2020 10809-10819*
- Optimal Path Planning and Speed Control Integration Strategy for UGVs in Static and Dynamic Environments. *Ren, H.*, +, *TVT Oct. 2020 10619-10629*
- Path Tracking and Direct Yaw Moment Coordinated Control Based on Robust MPC With the Finite Time Horizon for Autonomous Independent-Drive Vehicles. *Peng, H.*, +, *TVT June 2020 6053-6066*
- Performance Enhancement of INS/GNSS/Refreshed-SLAM Integration for Acceptable Lane-Level Navigation Accuracy. *Chiang, K.*, +, *TVT March 2020 2463-2476*
- Personalized Adaptive Cruise Control Based on Online Driving Style Recognition Technology and Model Predictive Control. *Gao, B.*, +, *TVT Nov. 2020 12482-12496*
- Personalized Vehicle Trajectory Prediction Based on Joint Time-Series Modeling for Connected Vehicles. *Xing, Y.*, +, *TVT Feb. 2020 1341-1352*
- Prepositioning of a Land Vehicle Simulation-Based Motion Platform Using Fuzzy Logic and Neural Network. *Qazani, M.R.C.*, +, *TVT Oct. 2020 10446-10456*
- Racecar Longitudinal Control in Unknown and Highly-Varying Driving Conditions. *Pedone, S.*, +, *TVT Nov. 2020 12521-12535*
- Real-Time Model Predictive Powertrain Control for a Connected Plug-In Hybrid Electric Vehicle. *Oncken, J.*, +, *TVT Aug. 2020 8420-8432*
- Real-Time Single-Stage Vehicle Detector Optimized by Multi-Stage Image-Based Online Hard Example Mining. *Lin, C.*, +, *TVT Feb. 2020 1505-1518*
- Rear-Steering Based Decentralized Control of Four-Wheel Steering Vehicle. *Wu, Y.*, +, *TVT Oct. 2020 10899-10913*
- Reducing Road Wear While Ensuring Comfort and Charging Constraints for Dynamically Charged Passenger Vehicles Through Noise-Shaped Path Variations. *Ferrin, C.*, +, *TVT May 2020 4803-4816*
- Required Lever Arm Accuracy of Non-Holonomic Constraint for Land Vehicle Navigation. *Zhang, Q.*, +, *TVT Aug. 2020 8305-8316*
- Ride Comfort Optimization via Speed Planning and Preview Semi-Active Suspension Control for Autonomous Vehicles on Uneven Roads. *Wu, J.*, +, *TVT Aug. 2020 8343-8355*
- Robust \mathcal{H}_∞ Filtering for Vehicle Sideslip Angle With Quantization and Data Dropouts. *Chang, X.*, +, *TVT Oct. 2020 10435-10445*
- Robust Observer Based Intermittent Forces Estimation for Driver Intervention Identification. *Huang, C.*, +, *TVT April 2020 3628-3640*
- Self-Adaptive Hyper-Heuristic Markov Chain Evolution for Generating Vehicle Multi-Parameter Driving Cycles. *Zhang, M.*, +, *TVT June 2020 6041-6052*
- Short-Term Multi-Vehicle Trajectory Planning for Collision Avoidance. *Nakamura, A.*, +, *TVT Sept. 2020 9253-9264*
- Single-Photon Detection Approach for Autonomous Vehicles Sensing. *Du, P.*, +, *TVT June 2020 6067-6078*
- Smart Proactive Caching: Empower the Video Delivery for Autonomous Vehicles in ICN-Based Networks. *Zhang, Z.*, +, *TVT July 2020 7955-7965*
- Stabilization Approaches for Reinforcement Learning-Based End-to-End Autonomous Driving. *Chen, S.*, +, *TVT May 2020 4740-4750*
- Synthesis of Cooperative Adaptive Cruise Control With Feedforward Strategies. *Zhu, Y.*, +, *TVT April 2020 3615-3627*
- Torque Vectoring Algorithm of Electronic-Four-Wheel Drive Vehicles for Enhancement of Cornering Performance. *Park, G.*, +, *TVT April 2020 3668-3679*
- Torque Vectoring and Rear-Wheel-Steering Control for Vehicle's Uncertain Slips on Soft and Slope Terrain Using Sliding Mode Algorithm. *Liang, Z.*, +, *TVT April 2020 3805-3815*
- Vehicle Detection and Classification Using Distributed Fiber Optic Acoustic Sensing. *Liu, H.*, +, *TVT Feb. 2020 1363-1374*
- VeRA: A Simplified Security Risk Analysis Method for Autonomous Vehicles. *Cui, J.*, +, *TVT Oct. 2020 10494-10505*
- Vision-Based Personal Safety Messages (PSMs) Generation for Connected Vehicles. *Islam, M.*, +, *TVT Sept. 2020 9402-9416*
- Vision-Based Race Track SLAM Based Only on Lane Curvature. *Suh, J.*, +, *TVT Feb. 2020 1495-1504*
- Wheel Modules With Distributed Controllers: A Multi-Agent Approach to Vehicular Control. *Tang, C.*, +, *TVT Oct. 2020 10879-10888*

Roads

- A Route Segmented Broadcast Protocol Based on RFID for Emergency Message Dissemination in Vehicular Ad-Hoc Networks. *Afrashteh, M.*, +, *TVT Dec. 2020 16017-16026*
- Active Braking Control of Electric Vehicles to Achieve Maximal Friction Based on Fast Extremum-Seeking and Reachability. *Xu, Q.*, +, *TVT Dec. 2020 14869-14883*
- Adaptive Robust Game-Theoretic Decision Making Strategy for Autonomous Vehicles in Highway. *Sankar, G.S.*, +, *TVT Dec. 2020 14484-14493*
- Data-Driven Identification of Characteristic Real-Driving Cycles Based on k-Means Clustering and Mixed-Integer Optimization. *Forster, D.*, +, *TVT March 2020 2398-2410*
- Heterogeneous User-Centric Cluster Migration Improves the Connectivity-Handover Trade-Off in Vehicular Networks. *Lin, Y.*, +, *TVT Dec. 2020 16027-16043*

High Throughput Vehicle Coordination Strategies at Road Intersections. *Liu, C.*, +, *TVT Dec. 2020 14341-14354*

Highly Accurate Scale Estimation from Multiple Keyframes Using RANSAC Plane Fitting With a Novel Scoring Method. *Fan, M.*, +, *TVT Dec. 2020 15335-15345*

Physical Layer Security Enhancement Using Artificial Noise in Cellular Vehicle-to-Everything (C-V2X) Networks. *Wang, C.*, +, *TVT Dec. 2020 15253-15268*

Prescribed Performance Concurrent Control of Connected Vehicles With Nonlinear Third-Order Dynamics. *Li, D.*, +, *TVT Dec. 2020 14793-14802*

Privacy-Preserving Compressive Sensing for Real-Time Traffic Monitoring in Urban City. *Guo, W.*, +, *TVT Dec. 2020 14510-14522*

Racecar Longitudinal Control in Unknown and Highly-Varying Driving Conditions. *Pedone, S.*, +, *TVT Nov. 2020 12521-12535*

Resource Allocation for Edge Computing-Based Vehicle Platoon on Freeway: A Contract-Optimization Approach. *Yang, C.*, +, *TVT Dec. 2020 15988-16000*

SEARCH: An SDN-Enabled Approach for Vehicle Path-Planning. *Oubbati, O.S.*, +, *TVT Dec. 2020 14523-14536*

Strategic Behavior of In-Motion Wireless Charging Aggregators in the Electricity and Transportation Networks. *Manshadi, S.D.*, +, *TVT Dec. 2020 14780-14792*

Robot dynamics

A Novel Terramechanics-Based Path-Tracking Control of Terrain-Based Wheeled Robot Vehicle With Matched-Mismatched Uncertainties. *Taghavifar, H.*, +, *TVT Jan. 2020 67-77*

Optimal Path Planning and Speed Control Integration Strategy for UGVs in Static and Dynamic Environments. *Ren, H.*, +, *TVT Oct. 2020 10619-10629*

Rear-Steering Based Decentralized Control of Four-Wheel Steering Vehicle. *Wu, Y.*, +, *TVT Oct. 2020 10899-10913*

Robot kinematics

A Novel Local Motion Planning Framework for Autonomous Vehicles Based on Resistance Network and Model Predictive Control. *Huang, Y.*, +, *TVT Jan. 2020 55-66*

Voronoi-Based Multi-Robot Autonomous Exploration in Unknown Environments via Deep Reinforcement Learning. *Hu, J.*, +, *TVT Dec. 2020 14413-14423*

Robot sensing systems

Stochastic Targets Monitoring in Wireless Powered Sensor Networks. *Fei, J.*, +, *TVT Dec. 2020 15908-15919*

Voronoi-Based Multi-Robot Autonomous Exploration in Unknown Environments via Deep Reinforcement Learning. *Hu, J.*, +, *TVT Dec. 2020 14413-14423*

Robot vision

An Acoustic-Based Surveillance System for Amateur Drones Detection and Localization. *Shi, Z.*, +, *TVT March 2020 2731-2739*

Bundle Adjustment for Monocular Visual Odometry Based on Detections of Traffic Signs. *Zhang, Y.*, +, *TVT Jan. 2020 151-162*

Driving Maneuvers Prediction Based Autonomous Driving Control by Deep Monte Carlo Tree Search. *Chen, J.*, +, *TVT July 2020 7146-7158*

Edge Computing-Based Collaborative Vehicles 3D Mapping in Real Time. *Wen, S.*, +, *TVT Nov. 2020 12470-12481*

Federated Learning Assisted Multi-UAV Networks. *Zhang, H.*, +, *TVT Nov. 2020 14104-14109*

Heuristic Monte Carlo Algorithm for Unmanned Ground Vehicles Realtime Localization and Mapping. *Chen, D.*, +, *TVT Oct. 2020 10642-10655*

Pseudo-3D Vision-Inertia Based Underwater Self-Localization for AUVs. *Wang, Y.*, +, *TVT July 2020 7895-7907*

Real-Time Perception and Positioning for Creature Picking of an Underwater Vehicle. *Cui, S.*, +, *TVT April 2020 3783-3792*

Robust and Autonomous Stereo Visual-Inertial Navigation for Non-Holonomic Mobile Robots. *Chae, H.*, +, *TVT Sept. 2020 9613-9623*

Vision-Based Race Track SLAM Based Only on Lane Curvature. *Suh, J.*, +, *TVT Feb. 2020 1495-1504*

Robust control

A Novel Terramechanics-Based Path-Tracking Control of Terrain-Based Wheeled Robot Vehicle With Matched-Mismatched Uncertainties. *Taghavifar, H.*, +, *TVT Jan. 2020 67-77*

A Robust Traction Control Platform for AWD Vehicles With AWD TMU and eLSD. *Guo, Q.*, *TVT Aug. 2020 8395-8406*

Adaptive Sliding Mode-Based Lateral Stability Control of Steer-by-Wire Vehicles With Experimental Validations. *Zhang, J.*, +, *TVT Sept. 2020 9589-9600*

An Adaptive Backstepping Sliding Mode Controller to Improve Vehicle Maneuverability and Stability via Torque Vectoring Control. *Zhang, L.*, +, *TVT March 2020 2598-2612*

Development of an Electric Vehicle Synchronous Reluctance Motor Drive. *Kumar, G.V.*, +, *TVT May 2020 5012-5024*

Energy-Efficient Speed Control of Electric Vehicles: Linear Matrix Inequality Approach. *Veysi, M.*, +, *TVT Oct. 2020 10469-10483*

Energy-Spectral Efficiency Optimization in Vehicular Communications: Joint Clustering and Pricing-Based Robust Power Control Approach. *Xie, Y.*, +, *TVT Nov. 2020 13673-13685*

Multiojective Beamforming Power Control for Robust SINR Target Tracking and Power Efficiency in Multicell MU-MIMO Wireless System. *Chen, W.*, +, *TVT June 2020 6200-6214*

Path Tracking and Direct Yaw Moment Coordinated Control Based on Robust MPC With the Finite Time Horizon for Autonomous Independent-Drive Vehicles. *Peng, H.*, +, *TVT June 2020 6053-6066*

Robust \mathcal{H}_∞ Filtering for Vehicle Sideslip Angle With Quantization and Data Dropouts. *Chang, X.*, +, *TVT Oct. 2020 10435-10445*

Robust Event-Triggered Model Predictive Control for Multiple High-Speed Trains With Switching Topologies. *Zhao, H.*, +, *TVT May 2020 4700-4710*

Robust Observer Based Intermittent Forces Estimation for Driver Intervention Identification. *Huang, C.*, +, *TVT April 2020 3628-3640*

Robust Time-Varying Formation Control for a Set of Quad-Copters With Switching Interaction Communication Topology. *Liu, H.*, +, *TVT July 2020 6880-6890*

Sensor Fault Detection and Isolation Using a Support Vector Machine for Vehicle Suspension Systems. *Jeong, K.*, +, *TVT April 2020 3852-3863*

Torque Vectoring and Rear-Wheel-Steering Control for Vehicle's Uncertain Slips on Soft and Slope Terrain Using Sliding Mode Algorithm. *Liang, Z.*, +, *TVT April 2020 3805-3815*

Trajectory Tracking Control of Autonomous Vehicle With Random Network Delay. *Luan, Z.*, +, *TVT Aug. 2020 8140-8150*

Variable-Performance Servo System Design Without Actuator Current and Angle Measurement for Rover Vehicles. *Kim, S.*, +, *TVT Nov. 2020 12725-12733*

Robustness

Achieving Robust and Efficient Consensus for Large-Scale Drone Swarm. *Chen, W.*, +, *TVT Dec. 2020 15867-15879*

Active Braking Control of Electric Vehicles to Achieve Maximal Friction Based on Fast Extremum-Seeking and Reachability. *Xu, Q.*, +, *TVT Dec. 2020 14869-14883*

Rolling bearings

A Multi-Dimension End-to-End CNN Model for Rotating Devices Fault Diagnosis on High-Speed Train Bogie. *Kou, L.*, +, *TVT March 2020 2513-2524*

Rotors

A Comprehensive Analysis of Short-Circuit Fault in Wound-Rotor Resolvers. *Lasjerdi, H.*, +, *TVT Dec. 2020 14884-14892*

Design and Optimization of a Novel Dual-PM Machine for Electric Vehicle Applications. *Lin, Q.*, +, *TVT Dec. 2020 14391-14400*

Design of an External-Rotor Direct Drive E-Bike Switched Reluctance Motor. *Howey, B.*, +, *TVT March 2020 2552-2562*

Design of Axial Flux Induction Motor With Reduced Back Iron for Electric Vehicles. *Mei, J.*, +, *TVT Jan. 2020 293-301*

Mechanical Design and Analysis of a High-Torque Modular Hybrid Excitation Synchronous Machine for Electric Vehicle Propulsion Applications. *Wang, C.*, +, *TVT Sept. 2020 9624-9633*

Modeling and Optimizing Method for Axial Flux Induction Motor of Electric Vehicles. *Mei, J.*, +, *TVT Nov. 2020 12822-12831*

PMSM Design for Achieving a Target Torque-Speed-Efficiency Map. *Candelo-Zuluaga, C.*, +, *TVT Dec. 2020 14448-14457*

Speed Sensorless Control of SPMSM Drives for EVs With a Binary Search Algorithm-Based Phase-Locked Loop. *Sun, X.*, +, *TVT May 2020 4968-4978*

Structural Design and Analysis of a High Reliability Multi-Turn Wound-Rotor Resolver for Electric Vehicle. *Saneie, H.*, +, *TVT May 2020 4992-4999*

Torque Improvement in Dual *M*-Phase Permanent-Magnet Machines by Phase Shift for Electric Ship Applications. *Sun, Y.*, +, *TVT Sept. 2020 9601-9612*

Routing

Achieving Robust and Efficient Consensus for Large-Scale Drone Swarm. *Chen, W.*, +, *TVT Dec. 2020 15867-15879*

Congestion and Position Aware Dynamic Routing for the Internet of Vehicles. *Han, R.*, +, *TVT Dec. 2020 16082-16094*

Optimal Charging and Routing of Electric Vehicles With Power Constraints and Time-of-Use Energy Prices. *Ferro, G.*, +, *TVT Dec. 2020 14436-14447*

Routing protocols

Congestion and Position Aware Dynamic Routing for the Internet of Vehicles. *Han, R.*, +, *TVT Dec. 2020 16082-16094*

Energy-Spectral Efficiency Optimization in Vehicular Communications: Joint Clustering and Pricing-Based Robust Power Control Approach. *Xie, Y.*, +, *TVT Nov. 2020 13673-13685*

Link Reliability-Based Adaptive Routing for Multilevel Vehicular Networks. *Xu, C.*, +, *TVT Oct. 2020 11771-11785*

Parking-Area-Assisted Spider-Web Routing Protocol for Emergency Data in Urban VANET. *Liu, H.*, +, *TVT Jan. 2020 971-982*

Toward Swarm Coordination: Topology-Aware Inter-UAV Routing Optimization. *Hong, L.*, +, *TVT Sept. 2020 10177-10187*

RSSI

A Geometric Approach for Distributed Multi-Hop Target Localization in Cooperative Networks. *Tomic, S.*, +, *TVT Jan. 2020 914-919*

Data-Driven Interference Localization Using a Single Satellite Based on Received Signal Strength. *Shen, Z.*, +, *TVT Aug. 2020 8657-8669*

Learning RSSI Feature via Ranking Model for Wi-Fi Fingerprinting Localization. *Chen, P.*, +, *TVT Feb. 2020 1695-1705*

Mobility-Aware Femtocaching Algorithm in D2D Networks Based on Handover. *HajiAkhondi-Meybodi, Z.*, +, *TVT Sept. 2020 10188-10201*

S

Safety

A Joint Design of Platoon Communication and Control Based on LTE-V2V. *Hong, C.*, +, *TVT Dec. 2020 15893-15907*

Beyond Vision: Hidden Car Detector With On-Demand Relaying in Vehicular Communications. *Hwang, S.*, +, *TVT Dec. 2020 15177-15187*

Certificateless and Lightweight Authentication Scheme for Vehicular Communication Networks. *Hathal, W.*, +, *TVT Dec. 2020 16110-16125*

High Throughput Vehicle Coordination Strategies at Road Intersections. *Liu, C.*, +, *TVT Dec. 2020 14341-14354*

Introduction to the Special Section on Connected and Autonomous Vehicles: Technologies, Methodologies, and Applications. *Liu, J.*, +, *TVT Sept. 2020 9251-9252*

Time-Dependent Performance Analysis of the 802.11p-Based Platooning Communications Under Disturbance. *Wu, Q.*, +, *TVT Dec. 2020 15760-15773*

Safety systems

Wheel Modules With Distributed Controllers: A Multi-Agent Approach to Vehicular Control. *Tang, C.*, +, *TVT Oct. 2020 10879-10888*

Safety-critical software

SEDAN: Security-Aware Design of Time-Critical Automotive Networks. *Kukkala, V.K.*, +, *TVT Aug. 2020 9017-9030*

Satellite antennas

Four-Element Array for GNSS Attitude Determination Using IRLS: An Improved Rounding of Long-Short Baseline Approach. *Li, Y.*, +, *TVT May 2020 4920-4934*

Multicast Beamforming Optimization in Cloud-Based Heterogeneous Terrestrial and Satellite Networks. *Zhang, H.*, +, *TVT Feb. 2020 1766-1776*

Performance Analysis of Hybrid Satellite-Terrestrial Cooperative Networks With Relay Selection. *Guo, K.*, +, *TVT Aug. 2020 9053-9067*

Satellite broadcasting

An FSO-Based Drone Charging System for Emergency Communications. *Wu, D.*, +, *TVT Dec. 2020 16155-16162*

Satellite communication

A Unified Optimisation Framework for QoS Management and Congestion Control in VHTS Systems. *de Cola, T.*, +, *TVT Oct. 2020 11619-11631*

Balancing Coverage and Response Time in Area Target Scheduling for Satellite Networks. *He, L.*, +, *TVT June 2020 6848-6853*

Integrated Resource Management for Terrestrial-Satellite Systems. *Fu, S.*, +, *TVT March 2020 3256-3266*

Outage Behaviors of NOMA-Based Satellite Network Over Shadowed-Rician Fading Channels. *Yue, X.*, +, *TVT June 2020 6818-6821*

Performance Analysis of Hybrid Satellite-Terrestrial Cooperative Networks With Relay Selection. *Guo, K.*, +, *TVT Aug. 2020 9053-9067*

Physical Layer Security for Multiuser Satellite Communication Systems With Threshold-Based Scheduling Scheme. *Guo, K.*, +, *TVT May 2020 5129-5141*

QoS Optimisation of eMBB Services in Converged 5G-Satellite Networks. *de Cola, T.*, +, *TVT Oct. 2020 12098-12110*

Secure Beamforming and Jamming for Multibeam Satellite Systems With Correlated Wiretap Channels. *Cui, G.*, +, *TVT Oct. 2020 12348-12353*

Spatial Anti-Jamming Scheme for Internet of Satellites Based on the Deep Reinforcement Learning and Stackelberg Game. *Han, C.*, +, *TVT May 2020 5331-5342*

Spatial Group Based Optimal Uplink Power Control for Random Access in Satellite Networks. *Zhao, B.*, +, *TVT July 2020 7354-7365*

Spatial Resource Management in LEO Satellite. *Ivanov, A.*, +, *TVT Dec. 2020 15623-15632*

TCSC: A Novel File Distribution Strategy in Integrated LEO Satellite-Terrestrial Networks. *Yang, Z.*, +, *TVT May 2020 5426-5441*

Time-Expanded Graph Based Energy-Efficient Delay-Bounded Multicast Over Satellite Networks. *Shi, K.*, +, *TVT Sept. 2020 10380-10384*

Satellite navigation

A Novel Multipath Mitigation Technique for GNSS Signals in Urban Scenarios. *Kumar, A.*, +, *TVT March 2020 2649-2658*

A Reconfigurable Dual-Band Dual-Circularly Polarized Antenna for Vehicle Global Navigation Satellite System Application. *Xu, R.*, +, *TVT Oct. 2020 11857-11867*

An Integrated GNSS/UWB/DR/VMM Positioning Strategy for Intelligent Vehicles. *Zhu, B.*, +, *TVT Oct. 2020 10842-10853*

An Orientation Navigation Approach Based on INS and Odometer Integration for Underground Unmanned Excavating Machine. *Han, S.*, +, *TVT Oct. 2020 10772-10786*

Carrier-Phase-Based Multi-Vehicle Cooperative Positioning Using V2V Sensors. *Xiong, J.*, +, *TVT Sept. 2020 9528-9541*

Data-Driven Interference Localization Using a Single Satellite Based on Received Signal Strength. *Shen, Z.*, +, *TVT Aug. 2020 8657-8669*

Four-Element Array for GNSS Attitude Determination Using IRLS: An Improved Rounding of Long-Short Baseline Approach. *Li, Y.*, +, *TVT May 2020 4920-4934*

IMU-Based Automated Vehicle Body Sideslip Angle and Attitude Estimation Aided by GNSS Using Parallel Adaptive Kalman Filters. *Xiong, L.*, +, *TVT Oct. 2020 10668-10680*

Performance Enhancement of INS/GNSS/Refreshed-SLAM Integration for Acceptable Lane-Level Navigation Accuracy. *Chiang, K.*, +, *TVT March 2020 2463-2476*

Satellites

A Novel Atmosphere-Informed Data-Driven Predictive Channel Modeling for B5G/6G Satellite-Terrestrial Wireless Communication Systems at Q-Band. *Bai, L.*, +, *TVT Dec. 2020 14225-14237*

Deep Learning Aided Spectrum Prediction for Satellite Communication Systems. *Ding, X.*, +, *TVT Dec. 2020 16314-16319*

GCH-MV: Game-Enhanced Compensation Handover Scheme for Multipath TCP in 6G Software Defined Vehicular Networks. *Gao, K., +, TVT Dec. 2020 16142-16154*

Localizing Spoofing Attacks on Vehicular GPS Using Vehicle-to-Vehicle Communications. *Sanders, C., +, TVT Dec. 2020 15656-15667*

Spatial Resource Management in LEO Satellite. *Ivanov, A., +, TVT Dec. 2020 15623-15632*

Scanning antennas

On Angular Sampling Intervals for Reconstructing Wideband Channel Spatial Profiles in Directional Scanning Measurements. *Fan, W., +, TVT Nov. 2020 13910-13915*

Scattering

Calibration of Ray-Tracing With Diffuse Scattering Against 28-GHz Directional Urban Channel Measurements. *Charbonnier, R., +, TVT Dec. 2020 14264-14276*

Schedules

Optimal Selection of Heterogeneous Network Interfaces for High-Speed Rail Communications. *Liu, B., +, TVT Dec. 2020 15005-15018*

Stochastic Targets Monitoring in Wireless Powered Sensor Networks. *Fei, J., +, TVT Dec. 2020 15908-15919*

Scheduling

A Joint Scheduling and Power Control Scheme for Hybrid I2V/V2V Networks. *Nguyen, B.L., +, TVT Dec. 2020 15668-15681*

Age of Information Aware Trajectory Planning of UAVs in Intelligent Transportation Systems: A Deep Learning Approach. *Samir, M., +, TVT Nov. 2020 12382-12395*

An Edge Computing Based Public Vehicle System for Smart Transportation. *Lin, J., +, TVT Nov. 2020 12635-12651*

Edge-Facilitated Augmented Vision in Vehicle-to-Everything Networks. *Zhou, P., +, TVT Oct. 2020 12187-12201*

Energy-Efficient Data Collection for IoT Networks via Cooperative Multi-Hop UAV Networks. *Kim, T., +, TVT Nov. 2020 13796-13811*

Enhancing Video Streaming in Vehicular Networks via Resource Slicing. *Khan, H., +, TVT April 2020 3513-3522*

Large-Scale Intelligent Taxicab Scheduling: A Distributed and Future-Aware Approach. *Wang, Y., +, TVT Aug. 2020 8176-8191*

Multi-Layer Event-Based Vehicle-to-Grid (V2G) Scheduling With Short Term Predictive Capability Within a Modular Aggregator Control Structure. *Krueger, H., +, TVT May 2020 4727-4739*

Network Slicing Enabled Resource Management for Service-Oriented Ultra-Reliable and Low-Latency Vehicular Networks. *Chen, Y., +, TVT July 2020 7847-7862*

On the Uplink Transmission of Extra-Large Scale Massive MIMO Systems. *Yang, X., +, TVT Dec. 2020 15229-15243*

Online Computation Offloading and Traffic Routing for UAV Swarms in Edge-Cloud Computing. *Liu, B., +, TVT Aug. 2020 8777-8791*

Optimal Service Pricing and Charging Scheduling of an Electric Vehicle Sharing System. *Xie, R., +, TVT Jan. 2020 78-89*

Resource Allocation and Trajectory Optimization for QoE Provisioning in Energy-Efficient UAV-Enabled Wireless Networks. *Zeng, F., +, TVT July 2020 7634-7647*

Resource Allocation in Green Dense Cellular Networks: Complexity and Algorithms. *Mlika, Z., +, TVT Feb. 2020 1994-2007*

Scalable Parallel Task Scheduling for Autonomous Driving Using Multi-Task Deep Reinforcement Learning. *Qi, Q., +, TVT Nov. 2020 13861-13874*

Scheduling for Mobile Edge Computing With Random User Arrivals—An Approximate MDP and Reinforcement Learning Approach. *Huang, S., +, TVT July 2020 7735-7750*

Task Scheduling for Mobile Edge Computing Using Genetic Algorithm and Conflict Graphs. *Al-Habob, A.A., +, TVT Aug. 2020 8805-8819*

UAV Virtualization for Enabling Heterogeneous and Persistent UAV-as-a-Service. *Pathak, N., +, TVT June 2020 6731-6738*

Sea ports

Toward Future Green Maritime Transportation: An Overview of Seaport Microgrids and All-Electric Ships. *Fang, S., +, TVT Jan. 2020 207-219*

Search problems

A Pointer Network Based Deep Learning Algorithm for User Pairing in Full-Duplex Wi-Fi Networks. *Zhang, Y., +, TVT Oct. 2020 12363-12368*

Antenna Optimization for Decode-and-Forward Relay in Magnetic Induction Communications. *Ma, H., +, TVT March 2020 3449-3453*

Cloud and Edge Multicast Beamforming for Cache-Enabled Ultra-Dense Networks. *Huang, W., +, TVT March 2020 3481-3485*

Coarse Trajectory Design for Energy Minimization in UAV-Enabled. *Tran, D., +, TVT Sept. 2020 9483-9496*

Coordinated Multiple Access Point Multiuser Beamforming Training Protocol for Millimeter Wave WLANs. *Shen, L., +, TVT Nov. 2020 13875-13889*

Deep Reinforcement Learning for UAV Navigation Through Massive MIMO Technique. *Huang, H., +, TVT Jan. 2020 1117-1121*

Efficient Pre-Conditioned Descent Search Detector for Massive MU-MIMO. *Zhang, C., +, TVT May 2020 4663-4676*

Energy-Efficient Power Allocation and User Selection for mmWave-NOMA Transmission in M2M Communications Underlaying Cellular Heterogeneous Networks. *Sobhi-Givi, S., +, TVT Sept. 2020 9866-9881*

Four-Element Array for GNSS Attitude Determination Using IRLS: An Improved Rounding of Long-Short Baseline Approach. *Li, Y., +, TVT May 2020 4920-4934*

Groupwise Neighbor Examination for Tabu Search Detection in Large MIMO Systems. *Nguyen, N.T., +, TVT Jan. 2020 1136-1140*

Joint Beamforming Design and Receive Antenna Selection for Large-Scale MIMO Wiretap Channels. *Tian, M., +, TVT March 2020 2716-2730*

Load Balance and Trajectory Design in Multi-UAV Aided Large-Scale Wireless Rechargeable Networks. *Wu, P., +, TVT Nov. 2020 13756-13767*

Low-Complexity Channel Estimation for Circular and Noncircular Signals in Virtual MIMO Vehicle Communication Systems. *Wang, X., +, TVT April 2020 3916-3928*

MB-GVNS: Memetic Based Bidirectional General Variable Neighborhood Search for Time-Sensitive Task Allocation in Mobile Crowd Sensing. *Wang, H., +, TVT Feb. 2020 2219-2229*

Mobility Prediction Based Proactive Dynamic Network Orchestration for Load Balancing With QoS Constraint (OPERA). *Farooq, H., +, TVT March 2020 3370-3383*

Nearly Optimal Sensor Selection for TDOA-Based Source Localization in Wireless Sensor Networks. *Dai, Z., +, TVT Oct. 2020 12031-12042*

On Bandwidth Constrained Distributed Detection of a Known Signal in Correlated Gaussian Noise. *Maleki, N., +, TVT Oct. 2020 11428-11444*

QoS Guaranteed Edge Cloud Resource Provisioning for Vehicle Fleets. *Tang, G., +, TVT June 2020 5889-5900*

Simplified Model Predictive Thrust Control Based Arbitrary Two Voltage Vectors for Linear Induction Machines in Metro Transportation. *Zou, J., +, TVT July 2020 7092-7103*

Spatial Modulation for Terahertz Communication Systems With Hardware Impairments. *Mao, T., +, TVT April 2020 4553-4557*

Tabu-Search-Based Pilot Assignment for Cell-Free Massive MIMO Systems. *Liu, H., +, TVT Feb. 2020 2286-2290*

Throughput Maximization With Rate-Dependent Power Consumption in Battery-Limited Multiuser Networks. *Zhao, J., +, TVT Jan. 2020 1141-1146*

Search radar

Joint Bi-Static Radar and Communications Designs for Intelligent Transportation. *Cao, N., +, TVT Nov. 2020 13060-13071*

Secondary cells

A Collaborative Gaussian Process Regression Model for Transfer Learning of Capacity Trends Between Li-Ion Battery Cells. *Chehade, A.A., +, TVT Sept. 2020 9542-9552*

A Hybrid Method for the Prediction of the Remaining Useful Life of Lithium-Ion Batteries With Accelerated Capacity Degradation. *Cong, X., +, TVT Nov. 2020 12775-12785*

A Novel Predictive Energy Management Strategy for Electric Vehicles Based on Velocity Prediction. *Zhai, C., +, TVT Nov. 2020 12559-12569*

Active Adaptive Battery Aging Management for Electric Vehicles. *Corno, M., +, TVT Jan. 2020 258-269*

- An Adaptive State Machine Based Energy Management Strategy for a Multi-Stack Fuel Cell Hybrid Electric Vehicle. *Macias Fernandez, A., +, TVT Jan. 2020 220-234*
- Analysis and Design of a Voltage Equalizer Based on Boost Full-Bridge Inverter and Symmetrical Voltage Multiplier for Series-Connected Batteries. *Yang, X., +, TVT April 2020 3828-3840*
- Automotive Battery Equalizers Based on Joint Switched-Capacitor and Buck-Boost Converters. *Liu, K., +, TVT Nov. 2020 12716-12724*
- Battery-Involved Energy Management for Hybrid Electric Bus Based on Expert-Assistance Deep Deterministic Policy Gradient Algorithm. *Wu, J., +, TVT Nov. 2020 12786-12796*
- Development of an Equivalent Circuit for Batteries Based on a Distributed Impedance Network. *Khayamy, M., +, TVT June 2020 6119-6128*
- General Parameter Identification Procedure and Comparative Study of Li-Ion Battery Models. *Miniguano, H., +, TVT Jan. 2020 235-245*
- Impact of Battery Charging on Spectrum Sensing of CRN With Energy Harvesting. *Zheng, K., +, TVT July 2020 7545-7557*
- Polynomial Augmented Extended Kalman Filter to Estimate the State of Charge of Lithium-Ion Batteries. *Haus, B., +, TVT Feb. 2020 1452-1463*
- Reliability Prediction of Battery Management System for Electric Vehicles Based on Accelerated Degradation Test: A Semi-Parametric Approach. *Lin, K., +, TVT Nov. 2020 12694-12704*
- State-of-Health Estimation and Remaining-Useful-Life Prediction for Lithium-Ion Battery Using a Hybrid Data-Driven Method. *Gou, B., +, TVT Oct. 2020 10854-10867*

Security

- A Lightweight Authentication and Attestation Scheme for In-Transit Vehicles in IoV Scenario. *Alladi, T., +, TVT Dec. 2020 14188-14197*
- Achieving Covert Communication in Overlay Cognitive Radio Networks. *Chen, R., +, TVT Dec. 2020 15113-15126*
- An Identity-Based and Revocable Data-Sharing Scheme in VANETs. *Hornig, S., +, TVT Dec. 2020 15933-15946*
- Certificateless and Lightweight Authentication Scheme for Vehicular Communication Networks. *Hathal, W., +, TVT Dec. 2020 16110-16125*
- Formal Verification and Performance Analysis of a New Data Exchange Protocol for Connected Vehicles. *Chouali, S., +, TVT Dec. 2020 15385-15397*
- How Much Can Radio Resource Allocation Help to Improve Secrecy Capacity of V2V Underlay Cellular Networks?. *Luo, X., +, TVT Dec. 2020 14932-14944*
- Incentivizing Resource Cooperation for Blockchain Empowered Wireless Power Transfer in UAV Networks. *Jiang, L., +, TVT Dec. 2020 15828-15841*
- Opportunistic Relaying and Jamming Based on Secrecy-Rate Maximization for Multiuser Buffer-Aided Relay Systems. *Lu, X., +, TVT Dec. 2020 15269-15283*
- Power Allocation and Outage Analysis for Secure MISO Cognitive Radio Networks With an Unknown Eavesdropper. *Jia, S., +, TVT Dec. 2020 16294-16298*
- Reputation Based Attacker Identification Policy for Multi-Access Edge Computing in Internet of Things. *Sandal, Y.S., +, TVT Dec. 2020 15346-15356*
- Secrecy Performance of Cooperative Cognitive AF Relaying Networks With Direct Links Over Mixed Rayleigh and Double-Rayleigh Fading Channels. *Pandey, A., +, TVT Dec. 2020 15095-15112*
- Transparent and Accountable Vehicular Local Advertising With Practical Blockchain Designs. *Liu, D., +, TVT Dec. 2020 15694-15705*
- UAV-Enabled Secure Communication With Finite Blocklength. *Wang, Y., +, TVT Dec. 2020 16309-16313*

Security of data

- A Two-Stage Game Framework to Secure Transmission in Two-Tier UAV Networks. *Xu, M., +, TVT Nov. 2020 13728-13740*
- An Efficient Security Scheme for Vehicular Communication Using a Quantum Secret Sharing Method. *Xiao, H., +, TVT Jan. 2020 1101-1105*
- Distributed Deception Attack Detection in Platoon-Based Connected Vehicle Systems. *Ju, Z., +, TVT May 2020 4609-4620*
- Integrated Resource Management for Terrestrial-Satellite Systems. *Fu, S., +, TVT March 2020 3256-3266*

- Joint Optimization of Offloading and Resources Allocation in Secure Mobile Edge Computing Systems. *Wang, J., +, TVT Aug. 2020 8843-8854*
- Poisoning and Evasion Attacks Against Deep Learning Algorithms in Autonomous Vehicles. *Jiang, W., +, TVT April 2020 4439-4449*
- SAIDuCANT: Specification-Based Automotive Intrusion Detection Using Controller Area Network (CAN) Timing. *Olufowobi, H., +, TVT Feb. 2020 1484-1494*
- Secrecy Performance Analysis of UAV-Assisted Relaying Communication Systems. *Bao, T., +, TVT Jan. 2020 1122-1126*
- Secure Real-Time Traffic Data Aggregation With Batch Verification for Vehicular Cloud in VANETs. *Shen, J., +, TVT Jan. 2020 807-817*
- SEDAN: Security-Aware Design of Time-Critical Automotive Networks. *Kukkala, V.K., +, TVT Aug. 2020 9017-9030*
- VeRA: A Simplified Security Risk Analysis Method for Autonomous Vehicles. *Cui, J., +, TVT Oct. 2020 10494-10505*

Self-adjusting systems

- Coherent Communications in Self-Organizing Networks With Distributed Beamforming. *Shi, Y., +, TVT Jan. 2020 760-770*
- Maximum Torque Per Ampere (MTPA) Control of IPMSM Systems Based on Controller Parameters Self-Modification. *Wang, H., +, TVT March 2020 2613-2620*
- QoE-Aware Self-Tuning of Service Priority Factor for Resource Allocation Optimization in LTE Networks. *Uthansakul, P., +, TVT Jan. 2020 887-900*
- Self-Adaptive Hyper-Heuristic Markov Chain Evolution for Generating Vehicle Multi-Parameter Driving Cycles. *Zhang, M., +, TVT June 2020 6041-6052*

Self-balancing vehicles

- Rear-Steering Based Decentralized Control of Four-Wheel Steering Vehicle. *Wu, Y., +, TVT Oct. 2020 10899-10913*

Semantics

- Hybrid Semi-Dense 3D Semantic-Topological Mapping From Stereo Visual-Inertial Odometry SLAM With Loop Closure Detection. *Wen, S., +, TVT Dec. 2020 16057-16066*

Sensitivity analysis

- A Timesaving Transient Magneto-Thermal Coupling Model for the Eddy Current Brake. *Tian, J., +, TVT Oct. 2020 10832-10841*

Sensor arrays

- An ω -Free Gyro-Free Accelerometer Pair Algorithm for 2D Trajectory Reconstruction. *Liu, X., +, TVT Dec. 2020 16173-16177*

Sensor fusion

- A Framework of Multipath Clustering Based on Space-Transformed Fuzzy c -Means and Data Fusion for Radio Channel Modeling. *Huang, Z., +, TVT Jan. 2020 4-15*
- A Multi-Dimension End-to-End CNN Model for Rotating Devices Fault Diagnosis on High-Speed Train Bogie. *Kou, L., +, TVT March 2020 2513-2524*
- A New Quaternion Kalman Filter Based Foot-Mounted IMU and UWB Tightly-Coupled Method for Indoor Pedestrian Navigation. *Wen, K., +, TVT April 2020 4340-4352*
- Carrier-Phase-Based Multi-Vehicle Cooperative Positioning Using V2V Sensors. *Xiong, J., +, TVT Sept. 2020 9528-9541*
- Data-Driven Identification of Characteristic Real-Driving Cycles Based on k -Means Clustering and Mixed-Integer Optimization. *Forster, D., +, TVT March 2020 2398-2410*
- Longitudinal Vehicle Speed Estimation for Four-Wheel-Independently-Actuated Electric Vehicles Based on Multi-Sensor Fusion. *Ding, X., +, TVT Nov. 2020 12797-12806*
- MB-GVNS: Memetic Based Bidirectional General Variable Neighborhood Search for Time-Sensitive Task Allocation in Mobile Crowd Sensing. *Wang, H., +, TVT Feb. 2020 2219-2229*
- MEMS Gyro Bias Estimation in Accelerated Motions Using Sensor Fusion of Camera and Angular-Rate Gyroscope. *Nazemipour, A., +, TVT April 2020 3841-3851*
- Online Rating Protocol Using Endogenous and Incremental Learning Design for Mobile Crowdsensing. *Lu, J., +, TVT March 2020 3190-3201*
- Performance Enhancement of INS/GNSS/Refreshed-SLAM Integration for Acceptable Lane-Level Navigation Accuracy. *Chiang, K., +, TVT March 2020 2463-2476*

- Pietra-Ricci Index Detector for Centralized Data Fusion Cooperative Spectrum Sensing. *Guimaraes, D.A.*, *TVT Oct. 2020 12354-12358*
- Pseudo-3D Vision-Inertia Based Underwater Self-Localization for AUVs. *Wang, Y.*, +, *TVT July 2020 7895-7907*
- Social-Aware UAV-Assisted Mobile Crowd Sensing in Stochastic and Dynamic Environments for Disaster Relief Networks. *Wang, B.*, +, *TVT Jan. 2020 1070-1074*
- Supervised Parameter Estimation for Road Vehicles, Mitigating Powertrain Induced Uncertainty. *Wragge-Morley, R.*, +, *TVT July 2020 7000-7013*
- Target Tracking Initiation for Multi-Static Multi-Frequency PCL System. *Baek, J.*, +, *TVT Oct. 2020 10558-10568*
- Sensor placement**
- A Node Location Algorithm Based on Node Movement Prediction in Underwater Acoustic Sensor Networks. *Zhang, W.*, +, *TVT March 2020 3166-3178*
- AUV-Aided Localization for Underwater Acoustic Sensor Networks With Current Field Estimation. *Yan, J.*, +, *TVT Aug. 2020 8855-8870*
- Distributed 3D Relative Localization of UAVs. *Liu, Y.*, +, *TVT Oct. 2020 11756-11770*
- Sensor systems**
- An ω -Free Gyro-Free Accelerometer Pair Algorithm for 2D Trajectory Reconstruction. *Liu, X.*, +, *TVT Dec. 2020 16173-16177*
- Sensorless machine control**
- Speed Sensorless Control of SPMSM Drives for EVs With a Binary Search Algorithm-Based Phase-Locked Loop. *Sun, X.*, +, *TVT May 2020 4968-4978*
- Sensors**
- A Densely-Deployed, High Sampling Rate, Open-Source Air Pollution Monitoring WSN. *Montrucchio, B.*, +, *TVT Dec. 2020 15786-15799*
- Active Fault Diagnosis Method for Vehicles in Platoon Formation. *Lopes, A.*, +, *TVT April 2020 3590-3603*
- An ω -Free Gyro-Free Accelerometer Pair Algorithm for 2D Trajectory Reconstruction. *Liu, X.*, +, *TVT Dec. 2020 16173-16177*
- An Orientation Navigation Approach Based on INS and Odometer Integration for Underground Unmanned Excavating Machine. *Han, S.*, +, *TVT Oct. 2020 10772-10786*
- Beyond Vision: Hidden Car Detector With On-Demand Relaying in Vehicular Communications. *Hwang, S.*, +, *TVT Dec. 2020 15177-15187*
- DOA Estimation With Small Snapshots Using Weighted Mixed Norm Based on Spatial Filter. *Liu, B.*, +, *TVT Dec. 2020 16183-16187*
- Generation of Cooperative Perception Messages for Connected and Automated Vehicles. *Thandavarayan, G.*, +, *TVT Dec. 2020 16336-16341*
- Inertial Navigation and Position Uncertainty During a Blind Safe Stop of an Autonomous Vehicle. *Jonasson, M.*, +, *TVT May 2020 4788-4802*
- Long-Term Channel Statistic Estimation for Highly-Mobile Hybrid MmWave Multi-User MIMO Systems. *Yu, J.*, +, *TVT Dec. 2020 14277-14289*
- Multi-Sensor Multi-Vehicle (MSMV) Localization and Mobility Tracking for Autonomous Driving. *Yang, P.*, +, *TVT Dec. 2020 14355-14364*
- Performance of Joint Sensing-Communication Cooperative Sensing UAV Network. *Chen, X.*, +, *TVT Dec. 2020 15545-15556*
- Privacy-Preserving Compressive Sensing for Real-Time Traffic Monitoring in Urban City. *Guo, W.*, +, *TVT Dec. 2020 14510-14522*
- Reconciliation Problem in Polar Integrated Navigation Considering Coordinate Frame Transformation. *Sun, J.*, +, *TVT Sept. 2020 10375-10379*
- Sensor Fault Detection and Isolation Using a Support Vector Machine for Vehicle Suspension Systems. *Jeong, K.*, +, *TVT April 2020 3852-3863*
- State-Aware Rate Adaptation for UAVs by Incorporating On-Board Sensors. *He, S.*, +, *TVT Jan. 2020 488-496*
- Stochastic Targets Monitoring in Wireless Powered Sensor Networks. *Fei, J.*, +, *TVT Dec. 2020 15908-15919*
- Structural Design and Analysis of a High Reliability Multi-Turn Wound-Rotor Resolver for Electric Vehicle. *Saneie, H.*, +, *TVT May 2020 4992-4999*
- Sequences**
- Wideband Ultrasonic Acoustic Underwater Channels: Measurements and Characterization. *Lopez-Fernandez, J.*, +, *TVT April 2020 4019-4032*
- Sequential decoding**
- Fast Block Sequential Decoding of Polar Codes. *Trofimiuk, G.*, +, *TVT Oct. 2020 10988-10999*
- Series (mathematics)**
- Accurate Analytical-Based Multi-Hop Localization With Low Energy Consumption for Irregular Networks. *Yan, X.*, +, *TVT Feb. 2020 2021-2033*
- Servers**
- A Joint Scheduling and Power Control Scheme for Hybrid I2V/V2V Networks. *Nguyen, B.L.*, +, *TVT Dec. 2020 15668-15681*
- A Lightweight Authentication and Attestation Scheme for In-Transit Vehicles in IoV Scenario. *Alladi, T.*, +, *TVT Dec. 2020 14188-14197*
- Analysis of Traffic Performance on Network Slicing Using Complex Network Theory. *Guan, W.*, +, *TVT Dec. 2020 15188-15199*
- ARFV: An Efficient Shared Data Auditing Scheme Supporting Revocation for Fog-Assisted Vehicular Ad-Hoc Networks. *Cui, M.*, +, *TVT Dec. 2020 15815-15827*
- Auction Mechanism for Dynamic Bandwidth Allocation in Multi-Tenant Edge Computing. *Le, T.H.T.*, +, *TVT Dec. 2020 15162-15176*
- Energy Efficient Relay Selection and Resource Allocation in D2D-Enabled Mobile Edge Computing. *Li, Y.*, +, *TVT Dec. 2020 15800-15814*
- Energy-Efficient and Delay-Fair Mobile Computation Offloading. *Mu, S.*, +, *TVT Dec. 2020 15746-15759*
- Energy-Minimization Task Offloading and Resource Allocation for Mobile Edge Computing in NOMA Heterogeneous Networks. *Xu, C.*, +, *TVT Dec. 2020 16001-16016*
- Joint Computation Offloading and Demand Response Management in Mobile Edge Network With Renewable Energy Sources. *Liu, Y.*, +, *TVT Dec. 2020 15720-15730*
- Priority-Aware Task Offloading in Vehicular Fog Computing Based on Deep Reinforcement Learning. *Shi, J.*, +, *TVT Dec. 2020 16067-16081*
- Reputation Based Attacker Identification Policy for Multi-Access Edge Computing in Internet of Things. *Sandal, Y.S.*, +, *TVT Dec. 2020 15346-15356*
- Resource Allocation for Edge Computing-Based Vehicle Platoon on Freeway: A Contract-Optimization Approach. *Yang, C.*, +, *TVT Dec. 2020 15988-16000*
- Servomechanisms**
- Variable-Performance Servo System Design Without Actuator Current and Angle Measurement for Rover Vehicles. *Kim, S.*, +, *TVT Nov. 2020 12725-12733*
- Servomotors**
- E-Clutch Torque Control Including Compensation of Thermal Expansion Effects. *Skugor, B.*, +, *TVT Jan. 2020 246-257*
- Variable-Performance Servo System Design Without Actuator Current and Angle Measurement for Rover Vehicles. *Kim, S.*, +, *TVT Nov. 2020 12725-12733*
- Set theory**
- Anomalous Trajectory Detection and Classification Based on Difference and Intersection Set Distance. *Wang, J.*, +, *TVT March 2020 2487-2500*
- Shafts**
- Comparison of Anti-Jerk Controllers for Electric Vehicles With On-Board Motors. *Scamarcio, A.*, +, *TVT Oct. 2020 10681-10699*
- Estimation of Transmission Input&Output Shaft Torque and Drive Wheel Speed for Compound Power Split Powertrain Based on Unknown Input Observer. *Li, M.*, +, *TVT May 2020 4883-4893*
- Systematic Methodology for Architecture Generation and Design Optimization of Hybrid Powertrains. *Kabalan, B.*, +, *TVT Dec. 2020 14846-14857*
- Shape**
- Analysis of Blocking in mmWave Cellular Systems: Characterization of the LOS and NLOS Intervals in Urban Scenarios. *Ruiz, C.G.*, +, *TVT Dec. 2020 16247-16252*
- Ships**
- Robust Operation of Shipboard Microgrids With Multiple-Battery Energy Storage System Under Navigation Uncertainties. *Fang, S.*, +, *TVT Oct. 2020 10531-10544*
- Torque Improvement in Dual M-Phase Permanent-Magnet Machines by Phase Shift for Electric Ship Applications. *Sun, Y.*, +, *TVT Sept. 2020 9601-9612*

Toward Future Green Maritime Transportation: An Overview of Seaport Microgrids and All-Electric Ships. *Fang, S.*, +, *TVT Jan. 2020 207-219*

Shock absorbers

Effective Measures to Improve Current Collection Quality for Double Pantographs and Catenary Based on Wave Propagation Analysis. *Xu, Z.*, +, *TVT June 2020 6299-6309*

Sensor Fault Detection and Isolation Using a Support Vector Machine for Vehicle Suspension Systems. *Jeong, K.*, +, *TVT April 2020 3852-3863*

Short-circuit currents

Torque Ripple Minimization for Inter-Turn Short-Circuit Fault Based on Open-Winding Five Phase FTFSCW-IPM Motor for Electric Vehicle Application. *Fan, Y.*, +, *TVT Jan. 2020 282-292*

Signal classification

A Direct Position Determination Approach for Underwater Acoustic Sensor Networks. *Wang, L.*, +, *TVT Nov. 2020 13033-13044*

A Novel Deep Learning and Polar Transformation Framework for an Adaptive Automatic Modulation Classification. *Ghasemzadeh, P.*, +, *TVT Nov. 2020 13243-13258*

Accelerating Parallel Jacobi Method for Matrix Eigenvalue Computation in DOA Estimation Algorithm. *Shi, Z.*, +, *TVT June 2020 6275-6285*

An Improved Neural Network Pruning Technology for Automatic Modulation Classification in Edge Devices. *Lin, Y.*, +, *TVT May 2020 5703-5706*

Automatic Modulation Classification Using CNN-LSTM Based Dual-Stream Structure. *Zhang, Z.*, +, *TVT Nov. 2020 13521-13531*

Blind Modulation Classification for Asynchronous OFDM Systems Over Unknown Signal Parameters and Channel Statistics. *Gupta, R.*, +, *TVT May 2020 5281-5292*

Complex-Valued Networks for Automatic Modulation Classification. *Tu, Y.*, +, *TVT Sept. 2020 10085-10089*

Deep Neural Network for Robust Modulation Classification Under Uncertain Noise Conditions. *Hu, S.*, +, *TVT Jan. 2020 564-577*

Early Recognition of Driving Intention for Lane Change Based on Recurrent Hidden Semi-Markov Model. *Liu, Q.*, +, *TVT Oct. 2020 10545-10557*

High-Resolution Angle-of-Arrival and Channel Estimation for mmWave Massive MIMO Systems With Lens Antenna Array. *Dong, F.*, +, *TVT Nov. 2020 12963-12973*

Improved De-Multipath Neural Network Models With Self-Paced Feature-to-Feature Learning for DOA Estimation in Multipath Environment. *Xiang, H.*, +, *TVT May 2020 5068-5078*

Low-Complexity Channel Estimation for Circular and Noncircular Signals in Virtual MIMO Vehicle Communication Systems. *Wang, X.*, +, *TVT April 2020 3916-3928*

Machine Learning Enabling Analog Beam Selection for Concurrent Transmissions in Millimeter-Wave V2V Communications. *Yang, Y.*, +, *TVT Aug. 2020 9185-9189*

Push the Limit of Multipath Profiling Using Commodity WiFi Devices With Limited Bandwidth. *Xue, H.*, +, *TVT April 2020 4142-4154*

Robust Modulation Classification Over α -Stable Noise Using Graph-Based Fractional Lower-Order Cyclic Spectrum Analysis. *Yan, X.*, +, *TVT March 2020 2836-2849*

Signal denoising

A Framework of Multipath Clustering Based on Space-Transformed Fuzzy c -Means and Data Fusion for Radio Channel Modeling. *Huang, Z.*, +, *TVT Jan. 2020 4-15*

Vehicle Detection and Classification Using Distributed Fiber Optic Acoustic Sensing. *Liu, H.*, +, *TVT Feb. 2020 1363-1374*

Signal detection

Adaptive Switching Spatial-Temporal Fusion Detection for Remote Flying Drones. *Xie, J.*, +, *TVT July 2020 6964-6976*

Approximate Gram-Matrix Interpolation for Wideband Massive MU-MIMO Systems. *Jeon, C.*, +, *TVT May 2020 4677-4688*

Cognitive Radio Network Assisted by OFDM With Index Modulation. *Li, J.*, +, *TVT Jan. 2020 1106-1110*

Compressive Sensing Based Massive Access for IoT Relying on Media Modulation Aided Machine Type Communications. *Qiao, L.*, +, *TVT Sept. 2020 10391-10396*

Decentralized Signal Detection via Expectation Propagation Algorithm for Uplink Massive MIMO Systems. *Zhang, Z.*, +, *TVT Oct. 2020 11233-11240*

Design of Optimal Non-Uniform Quantizer in Imperfect Noisy Reporting Channels for Collaborative Spectrum Sensing. *Naderipour, M.*, +, *TVT Nov. 2020 12870-12882*

Detection Algorithm for Single-Carrier Spatial Modulation Signals in Frequency-Selective Fading Channels. *Lai, K.*, +, *TVT Nov. 2020 13341-13356*

Detection for OFDM-AF Relay Systems Under Gaussian Mixture Noise With Imperfect CSI. *Zhang, J.*, +, *TVT May 2020 5666-5671*

Efficient Sequential Detection of Carrier Frequency Offset and Primary Synchronization Signal for 5G NR Systems. *You, Y.*, +, *TVT Aug. 2020 9212-9216*

Impact of Battery Charging on Spectrum Sensing of CRN With Energy Harvesting. *Zheng, K.*, +, *TVT July 2020 7545-7557*

Multuser Selection Criteria for MIMO-NOMA Systems With Different Detectors. *Yu, Q.*, +, *TVT Feb. 2020 1777-1791*

On Bandwidth Constrained Distributed Detection of a Known Signal in Correlated Gaussian Noise. *Maleki, N.*, +, *TVT Oct. 2020 11428-11444*

On the Effective Rate and Energy Detection Based Spectrum Sensing Over α - η - κ - μ Fading Channels. *Al-Hmood, H.*, +, *TVT Aug. 2020 9112-9116*

Optimal Detection of UAV's Transmission With Beam Sweeping in Covert Wireless Networks. *Hu, J.*, +, *TVT Jan. 2020 1080-1085*

Outage Analysis in Cognitive Radio Networks With Energy Harvesting and Q-Routing. *Paul, A.*, +, *TVT June 2020 6755-6765*

Performance Analysis of OFDM With Peak Cancellation Under EVM and ACLR Restrictions. *Kageyama, T.*, +, *TVT June 2020 6230-6241*

Pietra-Ricci Index Detector for Centralized Data Fusion Cooperative Spectrum Sensing. *Guimaraes, D.A.*, *TVT Oct. 2020 12354-12358*

SDP-IGD: An Iterative Power Allocation Technique for Cluster-Based Multihop Vehicular Communications. *Alam, M.Z.*, +, *TVT July 2020 7908-7915*

Simulation Framework for Misbehavior Detection in Vehicular Networks. *Kamel, J.*, +, *TVT June 2020 6631-6643*

Space-Domain Index Modulation for mmWave Cloud Radio Access Networks. *Luo, S.*, +, *TVT June 2020 6215-6229*

Spatial Modulation for Terahertz Communication Systems With Hardware Impairments. *Mao, T.*, +, *TVT April 2020 4553-4557*

Target Localization With Jammer Removal Using Frequency Diverse Array. *Liu, Q.*, +, *TVT Oct. 2020 11685-11696*

Towards Anti-Interference Human Activity Recognition Based on WiFi Sub-carrier Correlation Selection. *Huang, J.*, +, *TVT June 2020 6739-6754*

Unsupervised Deep Spectrum Sensing: A Variational Auto-Encoder Based Approach. *Xie, J.*, +, *TVT May 2020 5307-5319*

UWB Receiver via Deep Learning in MUI and ISI Scenarios. *Sharma, S.*, +, *TVT March 2020 3496-3499*

Signal processing

A Systematic Approach to Deriving the Covariance Matrix of Correlated Nakagami- m Fading Channels. *Lin, J.*, +, *TVT Feb. 2020 1612-1625*

Joint Channel Estimation and Precoding for Faster-Than-Nyquist Signaling. *Li, Q.*, +, *TVT Nov. 2020 13139-13147*

Parameter Estimation of Fluctuating Two-Ray Model for Next Generation Mobile Communications. *Shi, B.*, +, *TVT Aug. 2020 8684-8697*

Reinforcement Learning Based PHY Authentication for VANETs. *Lu, X.*, +, *TVT March 2020 3068-3079*

Secure Index-Modulation Based Hybrid Free Space Optical and Millimeter Wave Links. *Althunibat, S.*, +, *TVT June 2020 6325-6332*

Tensor Communication Waveform Design With Semi-Blind Receiver in the MIMO System. *Dou, Z.*, +, *TVT Feb. 2020 1727-1740*

Signal processing equipment

A Cooperative Transmission Scheme in Drone-Based Networks. *Hiraguri, T.*, +, *TVT March 2020 2905-2914*

Signal reconstruction

A Fast Robust In-Motion Alignment Method for SINS With DVL Aided. *Xu, X.*, +, *TVT April 2020 3816-3827*

Data-Driven Deep Learning to Design Pilot and Channel Estimator for Massive MIMO. *Ma, X.*, +, *TVT May 2020 5677-5682*

Deep Learning and Compressive Sensing-Based CSI Feedback in FDD Massive MIMO Systems. *Liang, P.*, +, *TVT Aug. 2020 9217-9222*

DOA Estimation via Sparse Signal Recovery in 4-D Linear Antenna Arrays With Optimized Time Sequences. *Yang, F.*, +, *TVT Jan. 2020 771-783*

On Angular Sampling Intervals for Reconstructing Wideband Channel Spatial Profiles in Directional Scanning Measurements. *Fan, W.*, +, *TVT Nov. 2020 13910-13915*

Signal representation

Deep Learning Based RF Fingerprint Identification Using Differential Constellation Trace Figure. *Peng, L.*, +, *TVT Jan. 2020 1091-1095*

DOA Estimation for Coherent Signals With Improved Sparse Representation in the Presence of Unknown Spatially Correlated Gaussian Noise. *Fang, Y.*, +, *TVT Sept. 2020 10059-10069*

Signal resolution

A Novel Multipath Mitigation Technique for GNSS Signals in Urban Scenarios. *Kumar, A.*, +, *TVT March 2020 2649-2658*

High-Resolution Angle-of-Arrival and Channel Estimation for mmWave Massive MIMO Systems With Lens Antenna Array. *Dong, F.*, +, *TVT Nov. 2020 12963-12973*

Signal sampling

AoI-Optimal Joint Sampling and Updating for Wireless Powered Communication Systems. *Abd-Elmagid, M.A.*, +, *TVT Nov. 2020 14110-14115*

Distributed Direct Position Determination. *Ma, F.*, +, *TVT Nov. 2020 14007-14012*

Efficient Hardware for Generalized Turbo Signal Recovery in Compressed Sensing. *Zhang, C.*, +, *TVT Feb. 2020 1245-1256*

Multiple CFOs Estimation and Implementation of SC-FDMA Uplink System Using Oversampling and Iterative Method. *Kumar, S.*, +, *TVT June 2020 6254-6263*

On Angular Sampling Intervals for Reconstructing Wideband Channel Spatial Profiles in Directional Scanning Measurements. *Fan, W.*, +, *TVT Nov. 2020 13910-13915*

Oversampling Based Analog Beamforming for Initial Access With a Large Number of Receive Antennas. *Wang, X.*, +, *TVT Aug. 2020 8613-8626*

Pietra-Ricci Index Detector for Centralized Data Fusion Cooperative Spectrum Sensing. *Guimaraes, D.A.*, *TVT Oct. 2020 12354-12358*

Time-Domain vs. Frequency-Domain Equalization for FTN Signaling. *Li, S.*, +, *TVT Aug. 2020 9174-9179*

Unsupervised Deep Spectrum Sensing: A Variational Auto-Encoder Based Approach. *Xie, J.*, +, *TVT May 2020 5307-5319*

Signal to noise ratio

An Autonomous Transmission Scheme Using Dueling DQN for D2D Communication Networks. *Ban, T.*, *TVT Dec. 2020 16348-16352*

Bit Error Probability of MQAM in the Presence of Phase Noise. *Jafari, H.*, +, *TVT Dec. 2020 14918-14931*

Detection Performance to Spatially Random UAV Using the Ground Vehicle. *Wang, K.*, +, *TVT Dec. 2020 16320-16324*

Fast Specific Absorption Rate Aware Beamforming for Downlink SWIPT via Deep Learning. *Zhang, J.*, +, *TVT Dec. 2020 16178-16182*

Influence and Mitigation of Pedestrian Blockage at mmWave Cellular Networks. *Kumar, S. Y.*, +, *TVT Dec. 2020 15442-15457*

Joint MIMO Communication and MIMO Radar Under Different Practical Waveform Constraints. *He, X.*, +, *TVT Dec. 2020 16342-16347*

New NOMA-Based Two-Way Relay Networks. *Fang, Z.*, +, *TVT Dec. 2020 15314-15324*

NOMA Versus OMA in Finite Blocklength Regime: Link-Layer Rate Performance. *Amjad, M.*, +, *TVT Dec. 2020 16253-16257*

On The Secrecy Performance Over N-Wave With Diffuse Power Fading Channel. *Sanchez, J.D.V.*, +, *TVT Dec. 2020 15137-15148*

Optimal Pilot Power Based Channel Estimation Improves the Throughput of Intelligent Reflective Surface Assisted Systems. *An, J.*, +, *TVT Dec. 2020 16202-16206*

Power Allocation and Outage Analysis for Secure MISO Cognitive Radio Networks With an Unknown Eavesdropper. *Jia, S.*, +, *TVT Dec. 2020 16294-16298*

Throughput of CDM-Based Random Access With SINR Capture. *Choi, H.*, +, *TVT Dec. 2020 15046-15056*

Trio-Connectivity for Efficient Uplink Performance in Future Mobile Het-Nets. *Mahbas, A.*, +, *TVT Dec. 2020 15706-15719*

Silicon carbide

Capacity of Uplink Partial Overlapping Non-Orthogonal Multiple Access for Underwater Acoustic Networks. *Jiang, Z.*, +, *TVT Dec. 2020 14290-14303*

Outage Performance of CDF-Based Scheduling in Downlink and Uplink NOMA Systems. *Lu, H.*, +, *TVT Dec. 2020 14945-14959*

Reducing the Mutual Outage Probability of Cooperative Non-Orthogonal Multiple Access. *Riaz, S.*, +, *TVT Dec. 2020 16207-16212*

Spectral Efficiency Optimization for Next Generation NOMA-Enabled IoT Networks. *Khan, W.U.*, +, *TVT Dec. 2020 15284-15297*

UAV-Enabled NOMA Networks Analysis With Selective Incremental Relaying and Imperfect CSI. *Guo, C.*, +, *TVT Dec. 2020 16276-16281*

Silicon compounds

A Comprehensive Analysis for High-Power Density, High-Efficiency 60 kW Interleaved Boost Converter Design for Electrified Powertrains. *Guo, J.*, +, *TVT July 2020 7131-7145*

Simulation

JRNet: Jamming Recognition Networks for Radar Compound Suppression Jamming Signals. *Qu, Q.*, +, *TVT Dec. 2020 15035-15045*

Simultaneous localization and mapping

Hybrid Semi-Dense 3D Semantic-Topological Mapping From Stereo Visual-Inertial Odometry SLAM With Loop Closure Detection. *Wen, S.*, +, *TVT Dec. 2020 16057-16066*

Singular value decomposition

Analysis of SVD-Based Hybrid Schemes for Massive MIMO With Phase Noise and Imperfect Channel Estimation. *Corvaja, R.*, +, *TVT July 2020 7325-7338*

Low-Complexity Multistage Optimal Detection for SVD-Based Hybrid Millimeter Wave MIMO Systems. *Wang, X.*, +, *TVT Nov. 2020 13216-13228*

Robust Rate-Maximization Precoder Design for VFDM System. *Liu, W.*, +, *TVT March 2020 2747-2757*

Secure MIMO-SVD Communications Against Eavesdroppers With Any Number of Antennas. *Tang, J.*, +, *TVT Oct. 2020 11077-11089*

SISO communication

Deep Neural Network for Robust Modulation Classification Under Uncertain Noise Conditions. *Hu, S.*, +, *TVT Jan. 2020 564-577*

SLAM (robots)

An Acoustic-Based Surveillance System for Amateur Drones Detection and Localization. *Shi, Z.*, +, *TVT March 2020 2731-2739*

Bundle Adjustment for Monocular Visual Odometry Based on Detections of Traffic Signs. *Zhang, Y.*, +, *TVT Jan. 2020 151-162*

Edge Computing-Based Collaborative Vehicles 3D Mapping in Real Time. *Wen, S.*, +, *TVT Nov. 2020 12470-12481*

Heuristic Monte Carlo Algorithm for Unmanned Ground Vehicles Realtime Localization and Mapping. *Chen, D.*, +, *TVT Oct. 2020 10642-10655*

Performance Enhancement of INS/GNSS/Refreshed-SLAM Integration for Acceptable Lane-Level Navigation Accuracy. *Chiang, K.*, +, *TVT March 2020 2463-2476*

Robust and Autonomous Stereo Visual-Inertial Navigation for Non-Holonomic Mobile Robots. *Chae, H.*, +, *TVT Sept. 2020 9613-9623*

Vision-Based Race Track SLAM Based Only on Lane Curvature. *Suh, J.*, +, *TVT Feb. 2020 1495-1504*

Slot antenna arrays

Handset Frame Blockage Reduction of 5G mm-Wave Phased Arrays Using Hard Surface Inspired Structure. *Rodriguez-Cano, R.*, +, *TVT Aug. 2020 8132-8139*

Smart cards

Unified Biometric Privacy Preserving Three-Factor Authentication and Key Agreement for Cloud-Assisted Autonomous Vehicles. *Jiang, Q.*, +, *TVT Sept. 2020 9390-9401*

Smart cities

A Real-Time Collision Prediction Mechanism With Deep Learning for Intelligent Transportation System. *Wang, X.*, +, *TVT Sept. 2020 9497-9508*

Vehicle-Assisted Data Delivery in Smart City: A Deep Learning Approach. *Liu, W.*, +, *TVT Nov. 2020 13849-13860*

Smart contracts

Transparent and Accountable Vehicular Local Advertising With Practical Blockchain Designs. *Liu, D.*, +, *TVT Dec. 2020 15694-15705*

Smart devices

Incentivizing Resource Cooperation for Blockchain Empowered Wireless Power Transfer in UAV Networks. *Jiang, L.*, +, *TVT Dec. 2020 15828-15841*

Smart phones

A Novel Compact, Broadband, High Gain Millimeter-Wave Antenna for 5G Beam Steering Applications. *Ozpinar, H.*, +, *TVT March 2020 2389-2397*

Gait Learning Based Authentication for Intelligent Things. *Zhang, H.*, +, *TVT April 2020 4450-4459*

Online Rating Protocol Using Endogenous and Incremental Learning Design for Mobile Crowdsensing. *Lu, J.*, +, *TVT March 2020 3190-3201*

Promoting Users' Participation in Mobile Crowdsourcing: A Distributed Truthful Incentive Mechanism (DTIM) Approach. *Wang, X.*, +, *TVT May 2020 5570-5582*

Simulation of Multiple-Antenna Terminal Performance in Massive MIMO Systems Based on Indoor Measurements. *Bengtsson, E.L.*, +, *TVT Jan. 2020 418-427*

Smart power grids

An Adaptive Resilient Load Frequency Controller for Smart Grids With DoS Attacks. *Lu, K.*, +, *TVT May 2020 4689-4699*

Coded Caching for Smart Grid Enabled HetNets With Resource Allocation and Energy Cooperation. *Yin, F.*, +, *TVT Oct. 2020 12058-12071*

Joint Long-Term Energy Efficiency Optimization in C-RAN With Hybrid Energy Supply. *Xu, B.*, +, *TVT Oct. 2020 11128-11138*

Multi-Layer Event-Based Vehicle-to-Grid (V2G) Scheduling With Short Term Predictive Capability Within a Modular Aggregator Control Structure. *Krueger, H.*, +, *TVT May 2020 4727-4739*

Smart Grid Network With D2D Communication and Coherent PLC: Error Analysis. *Dash, S.P.*, +, *TVT Jan. 2020 1051-1054*

Smoothing methods

High-Resolution Angle-of-Arrival and Channel Estimation for mmWave Massive MIMO Systems With Lens Antenna Array. *Dong, F.*, +, *TVT Nov. 2020 12963-12973*

Smoothing-Aided Support Vector Machine Based Nonstationary Video Traffic Prediction Towards B5G Networks. *Li, Y.*, +, *TVT July 2020 7493-7502*

Social networking (online)

A Blockchain-Based Searchable Public-Key Encryption With Forward and Backward Privacy for Cloud-Assisted Vehicular Social Networks. *Chen, B.*, +, *TVT June 2020 5813-5825*

A Secure and Verifiable Data Sharing Scheme Based on Blockchain in Vehicular Social Networks. *Fan, K.*, +, *TVT June 2020 5826-5835*

A Secure Flexible and Tampering-Resistant Data Sharing System for Vehicular Social Networks. *Sun, J.*, +, *TVT Nov. 2020 12938-12950*

Guest Editorial Introduction to the Special Section on Blockchains in Emerging Vehicular Social Networks. *Li, H.*, +, *TVT June 2020 5732-5735*

Guest Editorial Introduction to the Special Section on Blockchains in Emerging Vehicular Social Networks. *Li, H.*, +, *TVT June 2020 5732-5735*

LDV: A Lightweight DAG-Based Blockchain for Vehicular Social Networks. *Yang, W.*, +, *TVT June 2020 5749-5759*

Lightweight Blockchain Consensus Protocols for Vehicular Social Networks. *Zheng, Z.*, +, *TVT June 2020 5736-5748*

Secure SVM Training Over Vertically-Partitioned Datasets Using Consortium Blockchain for Vehicular Social Networks. *Shen, M.*, +, *TVT June 2020 5773-5783*

Security Enhanced Content Sharing in Social IoT: A Directed Hypergraph-Based Learning Scheme. *Wang, B.*, +, *TVT April 2020 4412-4425*

UAV Virtualization for Enabling Heterogeneous and Persistent UAV-as-a-Service. *Pathak, N.*, +, *TVT June 2020 6731-6738*

Software

Formal Verification and Performance Analysis of a New Data Exchange Protocol for Connected Vehicles. *Chouali, S.*, +, *TVT Dec. 2020 15385-15397*

GCH-MV: Game-Enhanced Compensation Handover Scheme for Multipath TCP in 6G Software Defined Vehicular Networks. *Gao, K.*, +, *TVT Dec. 2020 16142-16154*

Power Allocation Strategy Based on Decentralized Convex Optimization in Modular Fuel Cell Systems for Vehicular Applications. *Khalatbarisoltani, A.*, +, *TVT Dec. 2020 14563-14574*

Sizing of a Battery Pack Based on Series/Parallel Configurations for a High-Power Electric Vehicle as a Constrained Optimization Problem. *Pelletier, L.*, +, *TVT Dec. 2020 14150-14159*

Software agents

Cloudlet-Based Intelligent Auctioning Agents for Truthful Autonomous Electric Vehicles Energy Crowdsourcing. *Yassine, A.*, +, *TVT May 2020 5457-5466*

Software defined networking

A Distributed Mobile Fog Computing Scheme for Mobile Delay-Sensitive Applications in SDN-Enabled Vehicular Networks. *Lin, C.*, +, *TVT May 2020 5481-5493*

Deep Learning Empowered Traffic Offloading in Intelligent Software Defined Cellular V2X Networks. *Fan, B.*, +, *TVT Nov. 2020 13328-13340*

Design and Prototyping of a Software Defined Vehicular Networking. *Sadio, O.*, +, *TVT Jan. 2020 842-850*

On Delay-Aware Resource Control With Statistical QoS Provisioning By Dual Connectivity in Heterogeneous Aeronautical Network. *Wang, D.*, +, *TVT March 2020 2915-2927*

PARC: Placement Availability Resilient Controller Scheme for Software-Defined Datacenters. *Chaudhary, R.*, +, *TVT Aug. 2020 8985-9001*

Proactive Mobility Management With Trajectory Prediction Based on Virtual Cells in Ultra-Dense Networks. *Liu, Q.*, +, *TVT Aug. 2020 8832-8842*

Secure and Efficient Privacy-Preserving Authentication Scheme for 5G Software Defined Vehicular Networks. *Huang, J.*, +, *TVT Aug. 2020 8542-8554*

Soft-VAN: Mobility-Aware Task Offloading in Software-Defined Vehicular Network. *Misra, S.*, +, *TVT Feb. 2020 2071-2078*

Task Offloading in Vehicular Edge Computing Networks: A Load-Balancing Solution. *Zhang, J.*, +, *TVT Feb. 2020 2092-2104*

Traffic Differentiated Clustering Routing in DSRC and C-V2X Hybrid Vehicular Networks. *Qi, W.*, +, *TVT July 2020 7723-7734*

Software radio

An Adaptive BLAST Successive Interference Cancellation Method for High Data Rate Perfect Space-Time Coded MIMO Systems. *Grabner, M.J.*, +, *TVT Feb. 2020 1542-1553*

Link-Signature-Based Discriminatory Channel Estimation (LS-DCE) for Physical Layer Security in Stationary and Mobile OFDM Transceivers. *Albehadili, A.*, +, *TVT Aug. 2020 8119-8131*

Reduced-Complexity Low-Latency Logarithmic Successive Cancellation Stack Polar Decoding for 5G New Radio and Its Software Implementation. *Xiang, L.*, +, *TVT Nov. 2020 12449-12458*

Tensor Communication Waveform Design With Semi-Blind Receiver in the MIMO System. *Dou, Z.*, +, *TVT Feb. 2020 1727-1740*

Solar power

Real-Time QoS Optimization for Vehicular Edge Computing With Off-Grid Roadside Units. *Ku, Y.*, +, *TVT Oct. 2020 11975-11991*

Solar power stations

A Multifunctional Solar PV and Grid Based On-Board Converter for Electric Vehicles. *Singh, A.K.*, +, *TVT April 2020 3717-3727*

Solenoids

Energy-Efficient Eco-Friendly Zero-Holding-Energy Magnetic Contactor for Industrial and Vehicular Applications. *Gabdullin, N.*, +, *TVT May 2020 5000-5011*

Solid modeling

Anti-Jamming 3D Trajectory Design for UAV-Enabled Wireless Sensor Networks Under Probabilistic LoS Channel. *Duo, B.*, +, *TVT Dec. 2020 16288-16293*

Automatic Virtual Test Technology for Intelligent Driving Systems Considering Both Coverage and Efficiency. *Gao, F.*, +, *TVT Dec. 2020 14365-14376*

Proposed ITU-R Compatible Inter-Site and Inter-Sector Interference Models for LTE-Advanced Networks. *Ameen, A.S.*, +, *TVT Dec. 2020 14304-14315*

Source coding

Analysis and Improvement of Error-Floor Performance for JSCC Scheme Based on Double Protograph LDPC Codes. *Chen, Q.*, +, *TVT Dec. 2020 14316-14329*

Mobile Image Communications Using Deep Neural Networks for Heterogeneous User Devices in MIMO Channels. *Chang, S.*, +, *TVT June 2020 6359-6373*

Space division multiplexing

Double Space–Time Line Codes. *Joung, J.*, +, *TVT Feb. 2020 2316-2321*

Impact of Intra-Cluster Angular Spread on the Performance of NLoS Millimeter Wave Links With Imperfect Beam Alignment. *Kutty, S.*, +, *TVT Feb. 2020 1813-1827*

New Efficient Transmission Technique for HetNets With Massive MIMO Wireless Backhaul. *Hamdi, R.*, +, *TVT Jan. 2020 663-675*

Non-Coherent Massive MIMO-OFDM Down-Link Based on Differential Modulation. *Chen-Hu, K.*, +, *TVT Oct. 2020 11281-11294*

Performance Analysis of OFDM With Peak Cancellation Under EVM and ACLR Restrictions. *Kageyama, T.*, +, *TVT June 2020 6230-6241*

Space vehicles

A Study of Cross-Layer BP/LTP Data Block Size in Space Vehicle Communications Over Lossy and Highly Asymmetric Channels. *Zhou, Y.*, +, *TVT Dec. 2020 16126-16141*

Space-time block codes

Double Space–Time Line Codes. *Joung, J.*, +, *TVT Feb. 2020 2316-2321*

Enhanced Diversity-Achieving Quadrature Spatial Modulation With Fast Decodability. *Wang, L.*, +, *TVT June 2020 6165-6177*

Performance Analysis of OSTBC-NOMA System in the Presence of Practical Impairments. *Toka, M.*, +, *TVT Sept. 2020 9697-9706*

Physical Layer Security of QSTBC With Power Scaling in MIMO Wiretap Channels. *Chae, S.H.*, +, *TVT May 2020 5647-5651*

STBC-Aided Cooperative NOMA With Timing Offsets, Imperfect Successive Interference Cancellation, and Imperfect Channel State Information. *Akhtar, M.W.*, +, *TVT Oct. 2020 11712-11727*

Space-time codes

A Novel Downlink Interference Alignment Method for Multi-User MIMO System With No CSIT: A Space-Time Coding Approach. *Arti, M.K.*, *TVT Oct. 2020 10937-10948*

An Adaptive BLAST Successive Interference Cancellation Method for High Data Rate Perfect Space-Time Coded MIMO Systems. *Grabner, M.J.*, +, *TVT Feb. 2020 1542-1553*

MIMO Radar Transmit–Receive Design for Moving Target Detection in Signal-Dependent Clutter. *Yu, X.*, +, *TVT Jan. 2020 522-536*

Uplink NOMA Random Access Systems With Space–Time Line Code. *Seo, J.*, +, *TVT April 2020 4522-4526*

Sparse matrices

DOA Estimation With Small Snapshots Using Weighted Mixed Norm Based on Spatial Filter. *Liu, B.*, +, *TVT Dec. 2020 16183-16187*

Spatial databases

Transparent and Accountable Vehicular Local Advertising With Practical Blockchain Designs. *Liu, D.*, +, *TVT Dec. 2020 15694-15705*

Spatial filters

Spatial Filtering Based Random Access for Machine-Type Communications in Massive MIMO Cellular Networks. *He, Y.*, +, *TVT Oct. 2020 11479-11490*

Spatial variables control

Spatial Group Based Optimal Uplink Power Control for Random Access in Satellite Networks. *Zhao, B.*, +, *TVT July 2020 7354-7365*

Spatiotemporal phenomena

Extracting and Predicting Taxi Hotspots in Spatiotemporal Dimensions Using Conditional Generative Adversarial Neural Networks. *Yu, H.*, +, *TVT April 2020 3680-3692*

Special issues and sections

Guest Editorial Introduction to the Special Section on Blockchains in Emerging Vehicular Social Networks. *Li, H.*, +, *TVT June 2020 5732-5735*

Guest Editorial Introduction to the Special Section on Blockchains in Emerging Vehicular Social Networks. *Li, H.*, +, *TVT June 2020 5732-5735*

Introduction to the Special Section on Connected and Autonomous Vehicles: Technologies, Methodologies, and Applications. *Liu, J.*, +, *TVT Sept. 2020 9251-9252*

Spectral analysis

Low-Complexity Channel Estimation for Circular and Noncircular Signals in Virtual MIMO Vehicle Communication Systems. *Wang, X.*, +, *TVT April 2020 3916-3928*

Robust Modulation Classification Over α -Stable Noise Using Graph-Based Fractional Lower-Order Cyclic Spectrum Analysis. *Yan, X.*, +, *TVT March 2020 2836-2849*

Spectral efficiency

On the Uplink Transmission of Extra-Large Scale Massive MIMO Systems. *Yang, X.*, +, *TVT Dec. 2020 15229-15243*

Short-Term Power Constrained Cell-Free Massive-MIMO Over Spatially Correlated Ricean Fading. *Femenias, G.*, +, *TVT Dec. 2020 15200-15215*

Speech intelligibility

Heterophasic Binaural Differential Beamforming for Speech Intelligibility Improvement. *Jin, J.*, +, *TVT Nov. 2020 13497-13509*

Splines (mathematics)

Optimal Path Planning and Speed Control Integration Strategy for UGVs in Static and Dynamic Environments. *Ren, H.*, +, *TVT Oct. 2020 10619-10629*

Spread spectrum communication

A New IDMA System Based on CSK Modulation for Multiuser Underwater Acoustic Communications. *Jing, L.*, +, *TVT March 2020 3080-3092*

Complementary Coded CDMA Systems With CP-Free OFDM. *Wang, X.*, +, *TVT Oct. 2020 11515-11528*

Design of Anti-Jamming Waveforms for Time-Hopping Spread Spectrum Systems in Tone Jamming Environments. *Jung, H.*, +, *TVT Jan. 2020 728-737*

Identical Code Cyclic Shift Multiple Access—A Bridge Between CDMA and NOMA. *Liu, X.*, +, *TVT March 2020 2878-2890*

Springs

Global Synchronous Optimization Including Intake Valves and Exhaust Valves Based on MODM Strategy. *Lu, Y.*, +, *TVT Dec. 2020 14858-14868*

Modeling of Complex Planetary Gear Sets Using Power-Oriented Graphs. *Zanasi, R.*, +, *TVT Dec. 2020 14470-14483*

Stability

A Novel Hybrid Neural Network-Based Multirobot Path Planning With Motion Coordination. *Pradhan, B.*, +, *TVT Feb. 2020 1319-1327*

A Novel Terramechanics-Based Path-Tracking Control of Terrain-Based Wheeled Robot Vehicle With Matched-Mismatched Uncertainties. *Taghavifar, H.*, +, *TVT Jan. 2020 67-77*

A Real-Time Nonlinear Model Predictive Controller for Yaw Motion Optimization of Distributed Drive Electric Vehicles. *Guo, N.*, +, *TVT May 2020 4935-4946*

A Universal and Reconfigurable Stability Control Methodology for Articulated Vehicles With Any Configurations. *Zhang, Y.*, +, *TVT April 2020 3748-3759*

Adaptive Fault-Tolerant Control of Platoons With Guaranteed Traffic Flow Stability. *Guo, G.*, +, *TVT July 2020 6916-6927*

An Energy-Saving Torque Vectoring Control Strategy for Electric Vehicles Considering Handling Stability Under Extreme Conditions. *Hu, X.*, +, *TVT Oct. 2020 10787-10796*

Communication and Computing Resource Optimization for Connected Autonomous Driving. *Xiong, K.*, +, *TVT Nov. 2020 12652-12663*

Comparison of Anti-Jerk Controllers for Electric Vehicles With On-Board Motors. *Scamarcio, A.*, +, *TVT Oct. 2020 10681-10699*

Distributed Control of Cooperative Vehicular Platoon With Nonideal Communication Condition. *Ma, F.*, +, *TVT Aug. 2020 8207-8220*

Evaluating Model Predictive Path Following and Yaw Stability Controllers for Over-Actuated Autonomous Electric Vehicles. *Zhang, W.*, +, *TVT Nov. 2020 12807-12821*

Impact of Jamming Attacks on Vehicular Cooperative Adaptive Cruise Control Systems. *Alipour-Fanid, A.*, +, *TVT Nov. 2020 12679-12693*

Min-Max Model Predictive Vehicle Platooning With Communication Delay. *Lan, J.*, +, *TVT Nov. 2020 12570-12584*

- Multi-UAV Formation Control Based on a Novel Back-Stepping Approach. *Zhang, J.*, +, *TVT March 2020 2437-2448*
- Neural Networks-Based Sliding Mode Fault-Tolerant Control for High-Speed Trains With Bounded Parameters and Actuator Faults. *Dong, H.*, +, *TVT Feb. 2020 1353-1362*
- Optimal Coordinated Control of ARS and DYC for Four-Wheel Steer and In-Wheel Motor Driven Electric Vehicle With Unknown Tire Model. *Wang, Q.*, +, *TVT Oct. 2020 10809-10819*
- Speed Profile Tracking by an Adaptive Controller for Subway Train Based on Neural Network and PID Algorithm. *Pu, Q.*, +, *TVT Oct. 2020 10656-10667*
- Stable Autonomous Robotic Wheelchair Navigation in the Environment With Slope Way. *Wang, C.*, +, *TVT Oct. 2020 10759-10771*
- Synthesis of Cooperative Adaptive Cruise Control With Feedforward Strategies. *Zhu, Y.*, +, *TVT April 2020 3615-3627*
- Trajectory Tracking Control of Autonomous Vehicle With Random Network Delay. *Luan, Z.*, +, *TVT Aug. 2020 8140-8150*
- Wheel Modules With Distributed Controllers: A Multi-Agent Approach to Vehicular Control. *Tang, C.*, +, *TVT Oct. 2020 10879-10888*
- Stability analysis**
- A Joint Design of Platoon Communication and Control Based on LTE-V2V. *Hong, C.*, +, *TVT Dec. 2020 15893-15907*
- Congestion and Position Aware Dynamic Routing for the Internet of Vehicles. *Han, R.*, +, *TVT Dec. 2020 16082-16094*
- Design and Experimental Evaluations on Energy-Efficient Control for 4WIMD-EVs Considering Tire Slip Energy. *Zhao, B.*, +, *TVT Dec. 2020 14631-14644*
- High Throughput Vehicle Coordination Strategies at Road Intersections. *Liu, C.*, +, *TVT Dec. 2020 14341-14354*
- Optimal Control Design for Connected Cruise Control With Stochastic Communication Delays. *Wang, Z.*, +, *TVT Dec. 2020 15357-15369*
- Stability Region and Delay Analysis of a SWIPT-Based Two-Way Relay Network With Opportunistic Network Coding. *Moradian, M.*, +, *TVT Dec. 2020 15682-15693*
- Stability criteria**
- Active Front Steering-Based Electronic Stability Control for Steer-by-Wire Vehicles via Terminal Sliding Mode and Extreme Learning Machine. *Zhang, J.*, +, *TVT Dec. 2020 14713-14726*
- Path Tracking and Handling Stability Control Strategy With Collision Avoidance for the Autonomous Vehicle Under Extreme Conditions. *Chen, Y.*, +, *TVT Dec. 2020 14602-14617*
- Prescribed Performance Concurrent Control of Connected Vehicles With Nonlinear Third-Order Dynamics. *Li, D.*, +, *TVT Dec. 2020 14793-14802*
- Vehicle Lateral Stability Control Based on Shiftable Stability Regions and Dynamic Margins. *Huang, Y.*, +, *TVT Dec. 2020 14727-14738*
- Standards**
- Assessment of the High-Frequency Response in Railway Pantograph-Catenary Interaction Based on Numerical Simulation. *Song, Y.*, +, *TVT Oct. 2020 10596-10605*
- Channel Modeling for UAV-Based Optical Wireless Links With Nonzero Boresight Pointing Errors. *Dabiri, M.T.*, +, *TVT Dec. 2020 14238-14246*
- Differential Power Processing Converter Enhancing Energy Yield of Curved Solar Roofs of Plug-In Hybrid Electric Vehicles. *Uno, M.*, +, *TVT Dec. 2020 14689-14700*
- Systematic Beam Management in mmWave Networks: Tradeoff Among Beam Coverage, Link Budget, and Interference Control. *Ju, H.*, +, *TVT Dec. 2020 15325-15334*
- State estimation**
- On-Board State Estimation in Electrical Vehicles: Achieving Accuracy and Computational Efficiency Through an Electrochemical Model. *Verma, M.K.S.*, +, *TVT March 2020 2563-2575*
- State feedback**
- Efficient Mode Transition Control for Parallel Hybrid Electric Vehicle With Adaptive Dual-Loop Control Framework. *Yang, C.*, +, *TVT Feb. 2020 1519-1532*
- Rear-Steering Based Decentralized Control of Four-Wheel Steering Vehicle. *Wu, Y.*, +, *TVT Oct. 2020 10899-10913*
- State of charge**
- A Method of State-of-Charge Estimation for EV Power Lithium-Ion Battery Using a Novel Adaptive Extended Kalman Filter. *He, Z.*, +, *TVT Dec. 2020 14618-14630*
- Predictive Equivalent Consumption Minimization Strategy With Segmented Traffic Information. *Chen, D.*, +, *TVT Dec. 2020 14377-14390*
- Research on Optimization of Charging Strategy Control for Aged Batteries. *Sun, J.*, +, *TVT Dec. 2020 14141-14149*
- State-space methods**
- Synthesis of Cooperative Adaptive Cruise Control With Feedforward Strategies. *Zhu, Y.*, +, *TVT April 2020 3615-3627*
- Static VAR compensators**
- Optimal Allocation of Inverter-Based WTGS Complying With Their DSTATCOM Functionality and PEV Requirements. *Ali, A.*, +, *TVT May 2020 4763-4772*
- Statistical analysis**
- A Two-Layered Incentive Scheme for Cooperation in Sliced 5G D2D Networks. *Sun, Q.*, +, *TVT Nov. 2020 13289-13304*
- Cellular Clustering-Based Interference-Aware Data Transmission Protocol for Underwater Acoustic Sensor Networks. *Zhang, J.*, +, *TVT March 2020 3217-3230*
- DAVT: An Error-Bounded Vehicle Trajectory Data Representation and Compression Framework. *Chen, C.*, +, *TVT Oct. 2020 10606-10618*
- Experimental Study on the Impact of Antenna Characteristics on Non-Stationary V2I Channel Parameters in Tunnels. *Yusuf, M.*, +, *TVT Nov. 2020 12396-12407*
- Mobility-Aware Subband and Beam Resource Allocation Schemes for Millimeter Wave Wireless Networks. *Shen, L.*, +, *TVT Oct. 2020 11893-11908*
- Parameter Estimation of Fluctuating Two-Ray Model for Next Generation Mobile Communications. *Shi, B.*, +, *TVT Aug. 2020 8684-8697*
- Smoothing-Aided Support Vector Machine Based Nonstationary Video Traffic Prediction Towards B5G Networks. *Li, Y.*, +, *TVT July 2020 7493-7502*
- Socially Privacy-Preserving Data Collection for Crowdsensing. *Yang, G.*, +, *TVT Jan. 2020 851-861*
- Three-Dimensional Modeling of mmWave Doubly Massive MIMO Aerial Fading Channels. *Michailidis, E.T.*, +, *TVT Feb. 2020 1190-1202*
- Transient Performance Limits for Ultra-Reliable Low-Latency Communications Over Fading Channels. *Yang, H.*, +, *TVT Nov. 2020 13970-13973*
- Unsupervised Deep Spectrum Sensing: A Variational Auto-Encoder Based Approach. *Xie, J.*, +, *TVT May 2020 5307-5319*
- Statistical distributions**
- A Novel Downlink Interference Alignment Method for Multi-User MIMO System With No CSIT: A Space-Time Coding Approach. *Arti, M.K.*, *TVT Oct. 2020 10937-10948*
- Analysis and Optimization of Random Caching in mmWave Heterogeneous Networks. *Yang, L.*, +, *TVT Sept. 2020 10140-10154*
- Beamformer Design for Physical Layer Security in Dual-Polarized Millimeter Wave Channels. *Song, J.*, +, *TVT Oct. 2020 12306-12311*
- Error Probability of M-Phase Signaling With Phase Noise Over Fading Channels. *Silva, P.E.G.*, +, *TVT June 2020 6766-6770*
- Look-Ahead Prediction-Based Real-Time Optimal Energy Management for Connected HEVs. *Xu, F.*, +, *TVT March 2020 2537-2551*
- Low-Cost Reconstruction of Typical Driving Cycles Based on Empirical Information and Low-Frequency Speed Data. *Shi, S.*, +, *TVT Aug. 2020 8221-8231*
- Stator cores**
- A Comprehensive Analysis of Short-Circuit Fault in Wound-Rotor Resolvers. *Lasjerdi, H.*, +, *TVT Dec. 2020 14884-14892*
- Stator windings**
- A Comprehensive Analysis of Short-Circuit Fault in Wound-Rotor Resolvers. *Lasjerdi, H.*, +, *TVT Dec. 2020 14884-14892*
- Design and Optimization of a Novel Dual-PM Machine for Electric Vehicle Applications. *Lin, Q.*, +, *TVT Dec. 2020 14391-14400*
- Stators**
- A Novel Dual-Permanent-Magnet-Excited Machine With Non-Uniformly Distributed Permanent-Magnets and Flux Modulation Poles on the Stator. *Xu, L.*, +, *TVT July 2020 7104-7115*

- A Variational Approach to MTPA Control of Induction Motor for EVs Range Optimization. *Attaianese, C.*, +, *TVT July 2020 7014-7025*
- Consequent Pole Permanent Magnet Machine With Modular Stator. *Wang, K.*, +, *TVT July 2020 7054-7063*
- Design and Testing of Low Pole Dual-Stator Flux-Switching Permanent Magnet Machine for Electric Vehicle Applications. *Liu, M.*, +, *TVT Feb. 2020 1464-1472*
- Design of an External-Rotor Direct Drive E-Bike Switched Reluctance Motor. *Howey, B.*, +, *TVT March 2020 2552-2562*
- Design of Axial Flux Induction Motor With Reduced Back Iron for Electric Vehicles. *Mei, J.*, +, *TVT Jan. 2020 293-301*
- Modeling and Optimizing Method for Axial Flux Induction Motor of Electric Vehicles. *Mei, J.*, +, *TVT Nov. 2020 12822-12831*
- Structural Design and Analysis of a High Reliability Multi-Turn Wound-Rotor Resolver for Electric Vehicle. *Saneie, H.*, +, *TVT May 2020 4992-4999*
- Torque Improvement in Dual *M*-Phase Permanent-Magnet Machines by Phase Shift for Electric Ship Applications. *Sun, Y.*, +, *TVT Sept. 2020 9601-9612*
- Steady-state**
- Prescribed Performance Concurrent Control of Connected Vehicles With Nonlinear Third-Order Dynamics. *Li, D.*, +, *TVT Dec. 2020 14793-14802*
- Steering systems**
- A Real-Time Nonlinear Model Predictive Controller for Yaw Motion Optimization of Distributed Drive Electric Vehicles. *Guo, N.*, +, *TVT May 2020 4935-4946*
- A Reinforcement Learning-Based Adaptive Path Tracking Approach for Autonomous Driving. *Shan, Y.*, +, *TVT Oct. 2020 10581-10595*
- A Universal and Reconfigurable Stability Control Methodology for Articulated Vehicles With Any Configurations. *Zhang, Y.*, +, *TVT April 2020 3748-3759*
- Adaptive Sliding Mode-Based Lateral Stability Control of Steer-by-Wire Vehicles With Experimental Validations. *Zhang, J.*, +, *TVT Sept. 2020 9589-9600*
- An Energy-Saving Torque Vectoring Control Strategy for Electric Vehicles Considering Handling Stability Under Extreme Conditions. *Hu, X.*, +, *TVT Oct. 2020 10787-10796*
- Collision Imminent Steering at High Speed Using Nonlinear Model Predictive Control. *Wurts, J.*, +, *TVT Aug. 2020 8278-8289*
- Evaluating Model Predictive Path Following and Yaw Stability Controllers for Over-Actuated Autonomous Electric Vehicles. *Zhang, W.*, +, *TVT Nov. 2020 12807-12821*
- Modular Kinematic Modelling of Articulated Buses. *Michalek, M.M.*, +, *TVT Aug. 2020 8381-8394*
- On the Design of Yaw Rate Control via Variable Front-to-Total Anti-Roll Moment Distribution. *Ricco, M.*, +, *TVT Feb. 2020 1388-1403*
- Optimal Coordinated Control of ARS and DYC for Four-Wheel Steer and In-Wheel Motor Driven Electric Vehicle With Unknown Tire Model. *Wang, Q.*, +, *TVT Oct. 2020 10809-10819*
- Optimal Path Planning and Speed Control Integration Strategy for UGVs in Static and Dynamic Environments. *Ren, H.*, +, *TVT Oct. 2020 10619-10629*
- Path Tracking and Handling Stability Control Strategy With Collision Avoidance for the Autonomous Vehicle Under Extreme Conditions. *Chen, Y.*, +, *TVT Dec. 2020 14602-14617*
- Rear-Steering Based Decentralized Control of Four-Wheel Steering Vehicle. *Wu, Y.*, +, *TVT Oct. 2020 10899-10913*
- Robust Observer Based Intermittent Forces Estimation for Driver Intervention Identification. *Huang, C.*, +, *TVT April 2020 3628-3640*
- Torque Vectoring Algorithm of Electronic-Four-Wheel Drive Vehicles for Enhancement of Cornering Performance. *Park, G.*, +, *TVT April 2020 3668-3679*
- Torque Vectoring and Rear-Wheel-Steering Control for Vehicle's Uncertain Slips on Soft and Slope Terrain Using Sliding Mode Algorithm. *Liang, Z.*, +, *TVT April 2020 3805-3815*
- Stereo image processing**
- Bundle Adjustment for Monocular Visual Odometry Based on Detections of Traffic Signs. *Zhang, Y.*, +, *TVT Jan. 2020 151-162*
- Full Waveform LiDAR for Adverse Weather Conditions. *Wallace, A.M.*, +, *TVT July 2020 7064-7077*
- Inter-Vehicle Distance Estimation Method Based on Monocular Vision Using 3D Detection. *Zhe, T.*, +, *TVT May 2020 4907-4919*
- Robust and Autonomous Stereo Visual-Inertial Navigation for Non-Holonomic Mobile Robots. *Chae, H.*, +, *TVT Sept. 2020 9613-9623*
- Stochastic processes**
- A Bandit Approach for Mode Selection in Ambient Backscatter-Assisted Wireless-Powered Relaying. *Li, G.*, +, *TVT Aug. 2020 9190-9195*
- A Wideband Non-Stationary Air-to-Air Channel Model for UAV Communications. *Ma, Z.*, +, *TVT Feb. 2020 1214-1226*
- Analysis and Optimization of Cache-Enabled Fog Radio Access Networks: Successful Transmission Probability, Fractional Offloaded Traffic and Delay. *Jiang, Y.*, +, *TVT May 2020 5219-5231*
- Analysis and Optimization of Random Caching in mmWave Heterogeneous Networks. *Yang, L.*, +, *TVT Sept. 2020 10140-10154*
- Analysis of Blocking in mmWave Cellular Systems: Characterization of the LOS and NLOS Intervals in Urban Scenarios. *Ruiz, C.G.*, +, *TVT Dec. 2020 16247-16252*
- Augmenting Transmission Environments for Better Communications: Tunable Reflector Assisted MmWave WLANs. *Zhang, L.*, +, *TVT July 2020 7416-7428*
- Beamwidth Design for Beam Scanning in Millimeter-Wave Cellular Networks. *Fan, J.*, +, *TVT Jan. 2020 1111-1116*
- Buffer-Aided Secure Relay Networks With SWIPT. *Ren, J.*, +, *TVT June 2020 6485-6499*
- Computationally Efficient Stochastic Model Predictive Controller for Battery Thermal Management of Electric Vehicle. *Park, S.*, +, *TVT Aug. 2020 8407-8419*
- Deep Reinforcement Learning-Based Adaptive Computation Offloading for MEC in Heterogeneous Vehicular Networks. *Ke, H.*, +, *TVT July 2020 7916-7929*
- Delay-Aware Resource Management for Multi-Service Coexisting LTE-D2D Networks With Wireless Network Virtualization. *Han, Y.*, +, *TVT July 2020 7339-7353*
- Distributionally Robust Two-Stage Energy Management for Hybrid Energy Powered Cellular Networks. *Du, P.*, +, *TVT Oct. 2020 12162-12174*
- Energy-Efficient SWIPT-Empowered D2D Mode Selection. *Huang, J.*, +, *TVT April 2020 3903-3915*
- Handling Spontaneous Traffic Variations in 5G+ via Offloading Onto mmWave-Capable UAV "Bridges". *Tafintsev, N.*, +, *TVT Sept. 2020 10070-10084*
- Impact of Big Vehicle Shadowing on Vehicle-to-Vehicle Communications. *Nguyen, H.*, +, *TVT July 2020 6902-6915*
- Impact of UAV Rotation on MIMO Channel Characterization for Air-to-Ground Communication Systems. *Ma, Z.*, +, *TVT Nov. 2020 12418-12431*
- Interference Characterization and Power Optimization for Automotive Radar With Directional Antenna. *Chu, P.*, +, *TVT April 2020 3703-3716*
- Learning and Uncertainty-Exploited Directional Antenna Control for Robust Long-Distance and Broad-Band Aerial Communication. *Liu, M.*, +, *TVT Jan. 2020 593-606*
- Mean-Field Game Theoretic Edge Caching in Ultra-Dense Networks. *Kim, H.*, +, *TVT Jan. 2020 935-947*
- Millimeter-Wave Base Station Deployment Using the Scenario Sampling Approach. *Dong, M.*, +, *TVT Nov. 2020 14013-14018*
- Mobility-Aware Analysis of Millimeter Wave Communication Systems With Blockages. *Choi, S.*, +, *TVT June 2020 5901-5912*
- Modeling and Analysis of the Downlink Local Delay in MEC-Based VANETs. *Wu, Y.*, +, *TVT June 2020 6619-6630*
- Modeling and Analysis of the Uplink Local Delay in MEC-Based VANETs. *Wu, Y.*, +, *TVT April 2020 3538-3549*
- Network Optimisation in 5G Networks: A Radio Environment Map Approach. *Suarez Rodriguez, A.C.*, +, *TVT Oct. 2020 12043-12057*
- Network Slicing Enabled Resource Management for Service-Oriented Ultra-Reliable and Low-Latency Vehicular Networks. *Chen, Y.*, +, *TVT July 2020 7847-7862*

- On Distance Statistics of First Arriving Multi-Paths in Indoor mm-Wave Communications. *R. T., R., +, TVT Dec. 2020 16218-16223*
- On the Performance of LTE/Wi-Fi Dual-Mode Uplink Transmission: Connection Probability Versus Energy Efficiency. *Zhang, J., +, TVT Oct. 2020 11152-11168*
- Optimal Allocation of Inverter-Based WTGS Complying With Their DSTATCOM Functionality and PEV Requirements. *Ali, A., +, TVT May 2020 4763-4772*
- Optimal Altitude Selection of Aerial Base Stations to Maximize Coverage and Energy Harvesting Probabilities: A Stochastic Geometry Analysis. *Enayati, S., +, TVT Jan. 2020 1096-1100*
- Optimal Control Design for Connected Cruise Control With Stochastic Communication Delays. *Wang, Z., +, TVT Dec. 2020 15357-15369*
- Performance Analysis and Power Allocation Strategy for Downlink NOMA Systems in Large-Scale Cellular Networks. *Wang, J., +, TVT March 2020 3459-3464*
- Performance Analysis for Uplink Transmission in User-Centric Ultra-Dense V2I Networks. *Wu, P., +, TVT Sept. 2020 9342-9355*
- Performance Analysis of Cell-Free Massive MIMO Systems: A Stochastic Geometry Approach. *Papazafeiropoulos, A., +, TVT April 2020 3523-3537*
- Performance Analysis of MISINR User Association in 3-D Heterogeneous Cellular Networks. *Ding, H., +, TVT April 2020 4119-4129*
- Performance Analysis of Terahertz Unmanned Aerial Vehicular Networks. *Wang, X., +, TVT Dec. 2020 16330-16335*
- Performance of Downlink NOMA in Vehicular Communication Networks: An Analysis Based on Poisson Line Cox Point Process. *Sun, Y., +, TVT Nov. 2020 14001-14006*
- Physical Layer Security Enhancement Using Artificial Noise in Cellular Vehicle-to-Everything (C-V2X) Networks. *Wang, C., +, TVT Dec. 2020 15253-15268*
- Proposed ITU-R Compatible Inter-Site and Inter-Sector Interference Models for LTE-Advanced Networks. *Ameen, A.S., +, TVT Dec. 2020 14304-14315*
- Response Delay Optimization in Mobile Edge Computing Enabled UAV Swarm. *Zhang, Q., +, TVT March 2020 3280-3295*
- Robust \mathcal{H}_∞ Filtering for Vehicle Sideslip Angle With Quantization and Data Dropouts. *Chang, X., +, TVT Oct. 2020 10435-10445*
- Social-Aware UAV-Assisted Mobile Crowd Sensing in Stochastic and Dynamic Environments for Disaster Relief Networks. *Wang, B., +, TVT Jan. 2020 1070-1074*
- Space-Domain Index Modulation for mmWave Cloud Radio Access Networks. *Luo, S., +, TVT June 2020 6215-6229*
- Spectral Efficiency of Multi-Hop Millimeter Wave Networks Using N^{th} Best Relay Routing Technique. *Ibrahim, M., +, TVT Sept. 2020 9951-9959*
- Stochastic Belief Propagation Polar Decoding With Efficient Re-Randomization. *Xu, M., +, TVT June 2020 6771-6776*
- Stochastic Geometry Based Performance Characterization of SWIPT in Cell-Free Massive MIMO. *Kusaladharma, S., +, TVT Nov. 2020 13357-13370*
- The COST IRACON Geometry-Based Stochastic Channel Model for Vehicle-to-Vehicle Communication in Intersections. *Gustafson, C., +, TVT March 2020 2365-2375*
- Three-Dimensional Modeling of mmWave Doubly Massive MIMO Aerial Fading Channels. *Michailidis, E.T., +, TVT Feb. 2020 1190-1202*
- Trio-Connectivity for Efficient Uplink Performance in Future Mobile Het-Nets. *Mahbas, A., +, TVT Dec. 2020 15706-15719*
- Uplink Performance Analysis for Millimeter Wave Cellular Networks With Clustered Users. *Muhammad, N.A., +, TVT June 2020 6178-6188*
- Using Reinforcement Learning to Minimize the Probability of Delay Occurrence in Transportation. *Cao, Z., +, TVT March 2020 2424-2436*
- Utility Analysis of Radio Access Network Slicing. *Zhou, G., +, TVT Jan. 2020 1163-1167*
- Vision-Based Race Track SLAM Based Only on Lane Curvature. *Suh, J., +, TVT Feb. 2020 1495-1504*
- Stochastic programming**
- Distributionally Robust Two-Stage Energy Management for Hybrid Energy Powered Cellular Networks. *Du, P., +, TVT Oct. 2020 12162-12174*
- Enhancing Video Streaming in Vehicular Networks via Resource Slicing. *Khan, H., +, TVT April 2020 3513-3522*
- Joint Channel Allocation and Resource Management for Stochastic Computation Offloading in MEC. *Ren, J., +, TVT Aug. 2020 8900-8913*
- Joint Long-Term Energy Efficiency Optimization in C-RAN With Hybrid Energy Supply. *Xu, B., +, TVT Oct. 2020 11128-11138*
- Learn to Coloring: Fast Response to Perturbation in UAV-Assisted Disaster Relief Networks. *Wang, B., +, TVT March 2020 3505-3509*
- On Delay-Aware Resource Control With Statistical QoS Provisioning By Dual Connectivity in Heterogeneous Aeronautical Network. *Wang, D., +, TVT March 2020 2915-2927*
- Physical Layer Multicasting in Massive MIMO Systems With Statistical CSIT. *Li, K., +, TVT Feb. 2020 1651-1665*
- Storage management**
- LDV: A Lightweight DAG-Based Blockchain for Vehicular Social Networks. *Yang, W., +, TVT June 2020 5749-5759*
- Performance Analysis on Distributed Storage Systems in Ring Networks. *Qu, S., +, TVT July 2020 7762-7777*
- Streaming media**
- Optimal-Power Superposition Modulation for Scalable Video Broadcasting. *Zhang, Y., +, TVT Dec. 2020 16230-16234*
- Submillimeter wave antennas**
- Capacity and Outage of Terahertz Communications With User Micro-Mobility and Beam Misalignment. *Petrov, V., +, TVT June 2020 6822-6827*
- Substations**
- A Co-Phase Traction Power Supply System Based on Asymmetric Three-Leg Hybrid Power Quality Conditioner. *Liu, L., +, TVT Dec. 2020 14645-14656*
- Substrate integrated waveguides**
- Single-Layer Wideband End-Fire Dual-Polarized Antenna Array for Device-to-Device Communication in 5G Wireless Systems. *Li, A., +, TVT May 2020 5142-5150*
- Substrates**
- Frame Integrated Wideband Dual-Polarized Arrays for Mm-Wave/Sub 6-GHz Mobile Handsets and Its User Effects. *Li, H., +, TVT Dec. 2020 14330-14340*
- IoV Scenario: Implementation of a Bandwidth Aware Algorithm in Wireless Network Communication Mode. *Zhang, P., +, TVT Dec. 2020 15774-15785*
- Supercapacitors**
- A Novel Predictive Energy Management Strategy for Electric Vehicles Based on Velocity Prediction. *Zhai, C., +, TVT Nov. 2020 12559-12569*
- An Integrated Energy Storage System With Voltage Balancing Based on Switched-Capacitor Reutilization Techniques. *Liu, J., +, TVT Aug. 2020 8356-8366*
- Electric Vehicle Powertrain and Fuzzy Control Multi-Objective Optimization, Considering Dual Hybrid Energy Storage Systems. *Eckert, J.J., +, TVT April 2020 3773-3782*
- Hierarchical Optimization of an On-Board Supercapacitor Energy Storage System Considering Train Electric Braking Characteristics and System Loss. *Zhong, Z., +, TVT March 2020 2576-2587*
- Optimal Power Allocation in Battery/Supercapacitor Electric Vehicles Using Convex Optimization. *East, S., +, TVT Nov. 2020 12751-12762*
- Optimisation of a Catenary-Free Tramline Equipped With Stationary Energy Storage Systems. *Wei, S., +, TVT March 2020 2449-2462*
- Supervised learning**
- Learning to Branch: Accelerating Resource Allocation in Wireless Networks. *Lee, M., +, TVT Jan. 2020 958-970*
- Semi-Supervised Machine Learning Aided Anomaly Detection Method in Cellular Networks. *Lu, Y., +, TVT Aug. 2020 8459-8467*
- Support vector machines**
- Accurate Image-Based Pedestrian Detection With Privacy Preservation. *Yang, H., +, TVT Dec. 2020 14494-14509*
- Gait Learning Based Authentication for Intelligent Things. *Zhang, H., +, TVT April 2020 4450-4459*
- Machine Learning Enabling Analog Beam Selection for Concurrent Transmissions in Millimeter-Wave V2V Communications. *Yang, Y., +, TVT Aug. 2020 9185-9189*

Machine-Learning-Based Hazardous Spot Detection Framework by Mobile Sensing and Opportunistic Networks. *Watanabe, Y.*, +, *TVT Nov. 2020 13646-13657*

Multi-Feature Fusion Based Recognition and Relevance Analysis of Propagation Scenes for High-Speed Railway Channels. *Zhou, T.*, +, *TVT Aug. 2020 8107-8118*

Predicted Decoupling for Coexistence Between WiFi and LTE in Unlicensed Band. *Tian, F.*, +, *TVT April 2020 4130-4141*

Secure SVM Training Over Vertically-Partitioned Datasets Using Consortium Blockchain for Vehicular Social Networks. *Shen, M.*, +, *TVT June 2020 5773-5783*

Semi-Supervised Machine Learning Aided Anomaly Detection Method in Cellular Networks. *Lu, Y.*, +, *TVT Aug. 2020 8459-8467*

Semisupervised PCA Convolutional Network for Vehicle Type Classification. *Soon, F.C.*, +, *TVT Aug. 2020 8267-8277*

Sensor Fault Detection and Isolation Using a Support Vector Machine for Vehicle Suspension Systems. *Jeong, K.*, +, *TVT April 2020 3852-3863*

Smoothing-Aided Support Vector Machine Based Nonstationary Video Traffic Prediction Towards B5G Networks. *Li, Y.*, +, *TVT July 2020 7493-7502*

Sparingly Connected CNN for Efficient Automatic Modulation Recognition. *Tunze, G.B.*, +, *TVT Dec. 2020 15557-15568*

Vehicle Detection and Classification Using Distributed Fiber Optic Acoustic Sensing. *Liu, H.*, +, *TVT Feb. 2020 1363-1374*

Surveillance

An Acoustic-Based Surveillance System for Amateur Drones Detection and Localization. *Shi, Z.*, +, *TVT March 2020 2731-2739*

Flight Delay Prediction Based on Aviation Big Data and Machine Learning. *Gui, G.*, +, *TVT Jan. 2020 140-150*

Machine Learning Aided Air Traffic Flow Analysis Based on Aviation Big Data. *Gui, G.*, +, *TVT May 2020 4817-4826*

Vehicle Type Recognition From Surveillance Data Based on Deep Active Learning. *Ding, X.*, +, *TVT March 2020 2477-2486*

Suspensions (mechanical components)

On the Design of Yaw Rate Control via Variable Front-to-Total Anti-Roll Moment Distribution. *Ricco, M.*, +, *TVT Feb. 2020 1388-1403*

Ride Comfort Optimization via Speed Planning and Preview Semi-Active Suspension Control for Autonomous Vehicles on Uneven Roads. *Wu, J.*, +, *TVT Aug. 2020 8343-8355*

Sensor Fault Detection and Isolation Using a Support Vector Machine for Vehicle Suspension Systems. *Jeong, K.*, +, *TVT April 2020 3852-3863*

Switched capacitor networks

An Integrated Energy Storage System With Voltage Balancing Based on Switched-Capacitor Reutilization Techniques. *Liu, J.*, +, *TVT Aug. 2020 8356-8366*

Automotive Battery Equalizers Based on Joint Switched-Capacitor and Buck-Boost Converters. *Liu, K.*, +, *TVT Nov. 2020 12716-12724*

Switches

Design and Prototyping of a Software Defined Vehicular Networking. *Sadio, O.*, +, *TVT Jan. 2020 842-850*

On the Performance of MIMO Full-Duplex Relaying System With SWIPT Under Outdated CSI. *Hoang, T.M.*, +, *TVT Dec. 2020 15580-15593*

Optimal Selection of Heterogeneous Network Interfaces for High-Speed Rail Communications. *Liu, B.*, +, *TVT Dec. 2020 15005-15018*

Research on Compound Coordinated Control for a Power-Split Hybrid Electric Vehicle Based on Compensation of Non-Ideal Communication Network. *Wang, J.*, +, *TVT Dec. 2020 14818-14833*

Seamless Mobility Under a Dedicated Distributed Antenna System for High-Speed Rail Networks. *Ali, W.*, +, *TVT Dec. 2020 15427-15441*

Switching converters

A High Voltage Gain DC-DC Converter With Common Grounding for Fuel Cell Vehicle. *Kumar, A.*, +, *TVT Aug. 2020 8290-8304*

Development of an Electric Vehicle Synchronous Reluctance Motor Drive. *Kumar, G.V.*, +, *TVT May 2020 5012-5024*

Reduced-Order Modeling and Design of Single-Stage LCL Compensated IPT System for Low Voltage Vehicle Charging Applications. *Feng, H.*, +, *TVT April 2020 3728-3739*

Variable-Frequency Critical Soft-Switching of Wide-Bandgap Devices for Efficient High-Frequency Nonisolated DC-DC Converters. *Agrawal, B.*, +, *TVT June 2020 6094-6106*

Switching systems (control)

An Adaptive Backstepping Sliding Mode Controller to Improve Vehicle Maneuverability and Stability via Torque Vectoring Control. *Zhang, L.*, +, *TVT March 2020 2598-2612*

Synchronization

Comprehensive Effects of Imperfect Synchronization and Channel Estimation on Known Interference Cancellation. *Guo, W.*, +, *TVT Jan. 2020 457-470*

Constant-Amplitude Sequences for Spectrally Compact OFDM Training Waveforms. *Chung, C.*, +, *TVT Nov. 2020 12974-12991*

Efficient Sequential Detection of Carrier Frequency Offset and Primary Synchronization Signal for 5G NR Systems. *You, Y.*, +, *TVT Aug. 2020 9212-9216*

Efficient Sphere Polar Decoding via Synchronous Determination. *Zhou, H.*, +, *TVT June 2020 6777-6781*

Frequency Synchronization With Beamforming Network Optimization for Uplink Massive MIMO Systems. *Feng, Y.*, +, *TVT March 2020 3486-3490*

Latency Minimization for D2D-Enabled Partial Computation Offloading in Mobile Edge Computing. *Saleem, U.*, +, *TVT April 2020 4472-4486*

LTE Signal Detector for LSA Spectrum Sharing Model in Portugal. *Milheiro, J.*, +, *TVT Dec. 2020 15127-15136*

Modeling and Analysis of the Uplink Local Delay in MEC-Based VANETs. *Wu, Y.*, +, *TVT April 2020 3538-3549*

PARC: Placement Availability Resilient Controller Scheme for Software-Defined Datacenters. *Chaudhary, R.*, +, *TVT Aug. 2020 8985-9001*

Performance Analysis and Enhancement of Beamforming Training in 802.11ad. *Wu, W.*, +, *TVT May 2020 5293-5306*

STBC-Aided Cooperative NOMA With Timing Offsets, Imperfect Successive Interference Cancellation, and Imperfect Channel State Information. *Akhtar, M.W.*, +, *TVT Oct. 2020 11712-11727*

Uplink Interference Analysis of F-OFDM Systems Under Non-Ideal Synchronization. *Chen, H.*, +, *TVT Dec. 2020 15500-15517*

Synchronous machines

Maximum Torque Per Ampere (MTPA) Control of IPMSM Systems Based on Controller Parameters Self-Modification. *Wang, H.*, +, *TVT March 2020 2613-2620*

Mechanical Design and Analysis of a High-Torque Modular Hybrid Excitation Synchronous Machine for Electric Vehicle Propulsion Applications. *Wang, C.*, +, *TVT Sept. 2020 9624-9633*

Synchronous motor drives

Speed Sensorless Control of SPMSM Drives for EVs With a Binary Search Algorithm-Based Phase-Locked Loop. *Sun, X.*, +, *TVT May 2020 4968-4978*

Synchronous motors

Design and Optimization of a Novel Dual-PM Machine for Electric Vehicle Applications. *Lin, Q.*, +, *TVT Dec. 2020 14391-14400*

Synthetic aperture radar

Enhancing the Orthogonality of Polyphase Signal With Multi-Pulse Joint Processing. *Bai, J.*, +, *TVT Sept. 2020 9656-9666*

Vision-Based Vehicle Detection for VideoSAR Surveillance Using Low-Rank Plus Sparse Three-Term Decomposition. *Zhang, Y.*, +, *TVT May 2020 4711-4726*

System performance

Seamless Mobility Under a Dedicated Distributed Antenna System for High-Speed Rail Networks. *Ali, W.*, +, *TVT Dec. 2020 15427-15441*

Trio-Connectivity for Efficient Uplink Performance in Future Mobile Het-Nets. *Mahbas, A.*, +, *TVT Dec. 2020 15706-15719*

System-in-package

A Compact Millimeter-Wave Frequency Conversion SOP (System on Package) Module Based on LTCC Technology. *Zhou, L.*, +, *TVT June 2020 5923-5932*

System-on-chip

Spectral Coexistence of LDACS and DME: Analysis via Hardware Software Co-Design in Presence of Real Channels and RF Impairments. *Agrawal, N.*, +, *TVT Sept. 2020 9837-9848*

Systematics

Modeling of Complex Planetary Gear Sets Using Power-Oriented Graphs. *Zanasi, R., +, TVT Dec. 2020 14470-14483*

T**Table lookup**

Polynomial Augmented Extended Kalman Filter to Estimate the State of Charge of Lithium-Ion Batteries. *Haus, B., +, TVT Feb. 2020 1452-1463*

Target tracking

Autonomous Tracking Using a Swarm of UAVs: A Constrained Multi-Agent Reinforcement Learning Approach. *Chen, Y., +, TVT Nov. 2020 13702-13717*

Multi-Frame Track-Before-Detect Algorithm for Maneuvering Target Tracking. *Yi, W., +, TVT April 2020 4104-4118*

Multiobjective Beamforming Power Control for Robust SINR Target Tracking and Power Efficiency in Multicell MU-MIMO Wireless System. *Chen, W., +, TVT June 2020 6200-6214*

Power and Bandwidth Allocation for Multi-Target Tracking in Collocated MIMO Radar. *Zhang, H., +, TVT Sept. 2020 9795-9806*

PRSRTI: A Novel Device-Free Localization Method Using Phase Response Shift Based Radio Tomography Imaging. *Ma, Y., +, TVT Nov. 2020 13812-13820*

Stochastic Targets Monitoring in Wireless Powered Sensor Networks. *Fei, J., +, TVT Dec. 2020 15908-15919*

Target Tracking Algorithm for System With Gaussian/Non-Gaussian Multiplicative Noise. *Yu, X., +, TVT Jan. 2020 90-100*

Target Tracking Initiation for Multi-Static Multi-Frequency PCL System. *Baek, J., +, TVT Oct. 2020 10558-10568*

Task analysis

A Game Theoretic Scheme for Collaborative Vehicular Task Offloading in 5G HetNets. *Hui, Y., +, TVT Dec. 2020 16044-16056*

Achieving Robust and Efficient Consensus for Large-Scale Drone Swarm. *Chen, W., +, TVT Dec. 2020 15867-15879*

Auction Mechanism for Dynamic Bandwidth Allocation in Multi-Tenant Edge Computing. *Le, T.H.T., +, TVT Dec. 2020 15162-15176*

DEFT: Decentralized Multiuser Computation Offloading in a Fog-Enabled IoV Environment. *Deb, P.K., +, TVT Dec. 2020 15978-15987*

End-to-End Recurrent Generative Adversarial Network for Traffic and Surveillance Applications. *Patil, P.W., +, TVT Dec. 2020 14550-14562*

Energy Efficient Relay Selection and Resource Allocation in D2D-Enabled Mobile Edge Computing. *Li, Y., +, TVT Dec. 2020 15800-15814*

Energy-Minimization Task Offloading and Resource Allocation for Mobile Edge Computing in NOMA Heterogeneous Networks. *Xu, C., +, TVT Dec. 2020 16001-16016*

Joint Computation Offloading and Demand Response Management in Mobile Edge Network With Renewable Energy Sources. *Liu, Y., +, TVT Dec. 2020 15720-15730*

Priority-Aware Task Offloading in Vehicular Fog Computing Based on Deep Reinforcement Learning. *Shi, J., +, TVT Dec. 2020 16067-16081*

Reputation Based Attacker Identification Policy for Multi-Access Edge Computing in Internet of Things. *Sandal, Y.S., +, TVT Dec. 2020 15346-15356*

Resource Allocation for Edge Computing-Based Vehicle Platoon on Freeway: A Contract-Optimization Approach. *Yang, C., +, TVT Dec. 2020 15988-16000*

Telecommunication channels

Multi-Beam Index Modulation With Cooperative Legitimate Users Schemes Based on Frequency Diverse Array. *Qiu, B., +, TVT Oct. 2020 11028-11041*

Performance Analysis for Uplink Transmission in User-Centric Ultra-Dense V2I Networks. *Wu, P., +, TVT Sept. 2020 9342-9355*

Telecommunication computing

A Deep Learning Framework for Hybrid Beamforming Without Instantaneous CSI Feedback. *Elbir, A.M., TVT Oct. 2020 11743-11755*

A Distributed Link Scheduler for In-Band Full Duplex Wireless Networks. *Ren, Y., +, TVT May 2020 5255-5267*

A Framework of Multipath Clustering Based on Space-Transformed Fuzzy *c*-Means and Data Fusion for Radio Channel Modeling. *Huang, Z., +, TVT Jan. 2020 4-15*

A Joint Service Migration and Mobility Optimization Approach for Vehicular Edge Computing. *Yuan, Q., +, TVT Aug. 2020 9041-9052*

A Model-Driven Deep Reinforcement Learning Heuristic Algorithm for Resource Allocation in Ultra-Dense Cellular Networks. *Liao, X., +, TVT Jan. 2020 983-997*

A Pointer Network Based Deep Learning Algorithm for User Pairing in Full-Duplex Wi-Fi Networks. *Zhang, Y., +, TVT Oct. 2020 12363-12368*

Adaptive Bitrate Video Streaming in Non-Orthogonal Multiple Access Networks. *Zhang, J., +, TVT April 2020 3980-3993*

An Adaptive Wireless Virtual Reality Framework in Future Wireless Networks: A Distributed Learning Approach. *Guo, F., +, TVT Aug. 2020 8514-8528*

An Integrated Urban Positioning Algorithm Using Matching, Particle Swarm Optimized Adaptive Neuro Fuzzy Inference System and a Spatial City Model. *Sun, R., +, TVT May 2020 4842-4854*

Automatic Modulation Classification for MIMO Systems via Deep Learning and Zero-Forcing Equalization. *Wang, Y., +, TVT May 2020 5688-5692*

Bayesian Receiver Design for Grant-Free NOMA With Message Passing Based Structured Signal Estimation. *Zhang, Y., +, TVT Aug. 2020 8643-8656*

Broad Echo State Network for Channel Prediction in MIMO-OFDM Systems. *Sui, Y., +, TVT Nov. 2020 13383-13399*

Capturing the Sparsity and Tracking the Channels for Massive MIMO Networks. *Mohammed, A., +, TVT Jan. 2020 685-699*

Complex-Valued Networks for Automatic Modulation Classification. *Tu, Y., +, TVT Sept. 2020 10085-10089*

Cooperative Caching and Transmission in CoMP-Integrated Cellular Networks Using Reinforcement Learning. *Lin, P., +, TVT May 2020 5508-5520*

Data-Driven Deep Learning to Design Pilot and Channel Estimator for Massive MIMO. *Ma, X., +, TVT May 2020 5677-5682*

Decentralized Learning Based Indoor Interference Mitigation for 5G-and-Beyond Systems. *Wang, Y., +, TVT Oct. 2020 12124-12135*

Deep Artificial Noise: Deep Learning-Based Precoding Optimization for Artificial Noise Scheme. *Yun, S., +, TVT March 2020 3465-3469*

Deep Learning and Compressive Sensing-Based CSI Feedback in FDD Massive MIMO Systems. *Liang, P., +, TVT Aug. 2020 9217-9222*

Deep Learning Based RF Fingerprint Identification Using Differential Constellation Trace Figure. *Peng, L., +, TVT Jan. 2020 1091-1095*

Deep Learning-Based Cooperative Automatic Modulation Classification Method for MIMO Systems. *Wang, Y., +, TVT April 2020 4575-4579*

Deep Neural Network for Resource Management in NOMA Networks. *Yang, N., +, TVT Jan. 2020 876-886*

Deep Neural Network for Robust Modulation Classification Under Uncertain Noise Conditions. *Hu, S., +, TVT Jan. 2020 564-577*

Deep Reinforcement Learning and Permissioned Blockchain for Content Caching in Vehicular Edge Computing and Networks. *Dai, Y., +, TVT April 2020 4312-4324*

Deep Reinforcement Learning-Based Adaptive Computation Offloading for MEC in Heterogeneous Vehicular Networks. *Ke, H., +, TVT July 2020 7916-7929*

Deep Reinforcement Learning-Based Resource Allocation and Power Control in Small Cells With Limited Information Exchange. *Jang, J., +, TVT Nov. 2020 13768-13783*

DeepChannel: Wireless Channel Quality Prediction Using Deep Learning. *Kulkarni, A., +, TVT Jan. 2020 443-456*

Energy Efficient Resource Allocation for Underlying Multi-D2D Enabled Multiple-Antennas Communications. *Ozbek, B., +, TVT June 2020 6189-6199*

Energy-Efficient Channel Switching in Cognitive Radio Networks: A Reinforcement Learning Approach. *Ding, H., +, TVT Oct. 2020 12359-12362*

Energy-Efficient Power Allocation and Q-Learning-Based Relay Selection for Relay-Aided D2D Communication. *Wang, X., +, TVT June 2020 6452-6462*

- Fast Beamforming Design via Deep Learning. *Huang, H.*, +, *TVT Jan. 2020 1065-1069*
- FBIA: A Fog-Based Identity Authentication Scheme for Privacy Preservation in Internet of Vehicles. *Song, L.*, +, *TVT May 2020 5403-5415*
- Finite-Alphabet Signature Design for Grant-Free NOMA: A Quantized Deep Learning Approach. *Yu, H.*, +, *TVT Oct. 2020 10975-10987*
- Game Theory-Based Multi-Objective Optimization Interference Alignment Algorithm for HSR 5G Heterogeneous Ultra-Dense Network. *Sheng, J.*, +, *TVT Nov. 2020 13371-13382*
- Human Mobility Prediction Using Sparse Trajectory Data. *Wang, H.*, +, *TVT Sept. 2020 10155-10166*
- Hybrid Beamforming/Combining for Millimeter Wave MIMO: A Machine Learning Approach. *Chen, J.*, +, *TVT Oct. 2020 11353-11368*
- Hybrid Precoding for Multiuser Millimeter Wave Massive MIMO Systems: A Deep Learning Approach. *Elbir, A.M.*, +, *TVT Jan. 2020 552-563*
- Impact of Prediction Errors on High Throughput Predictive Resource Allocation. *Guo, J.*, +, *TVT Sept. 2020 9984-9999*
- Importance-Aware Data Selection and Resource Allocation in Federated Edge Learning System. *He, Y.*, +, *TVT Nov. 2020 13593-13605*
- Improving Massive MIMO Message Passing Detectors With Deep Neural Network. *Tan, X.*, +, *TVT Feb. 2020 1267-1280*
- Improving TCP Performance Over WiFi for Internet of Vehicles: A Federated Learning Approach. *Pokhrel, S.R.*, +, *TVT June 2020 6798-6802*
- Improving the Congestion Control Performance for Mobile Networks in High-Speed Railway via Deep Reinforcement Learning. *Cui, L.*, +, *TVT June 2020 5864-5875*
- Integrated Resource Management for Terrestrial-Satellite Systems. *Fu, S.*, +, *TVT March 2020 3256-3266*
- Joint Long-Term Energy Efficiency Optimization in C-RAN With Hybrid Energy Supply. *Xu, B.*, +, *TVT Oct. 2020 11128-11138*
- Learn to Coloring: Fast Response to Perturbation in UAV-Assisted Disaster Relief Networks. *Wang, B.*, +, *TVT March 2020 3505-3509*
- Learning Based Joint Cache and Power Allocation in Fog Radio Access Networks. *Rahman, G.M.S.*, +, *TVT April 2020 4401-4411*
- Learning RSSI Feature via Ranking Model for Wi-Fi Fingerprinting Localization. *Chen, P.*, +, *TVT Feb. 2020 1695-1705*
- Learning the Time-Varying Massive MIMO Channels: Robust Estimation and Data-Aided Prediction. *Xia, X.*, +, *TVT Aug. 2020 8080-8096*
- Learning to Branch: Accelerating Resource Allocation in Wireless Networks. *Lee, M.*, +, *TVT Jan. 2020 958-970*
- Learning to Denoise and Decode: A Novel Residual Neural Network Decoder for Polar Codes. *Zhu, H.*, +, *TVT Aug. 2020 8725-8738*
- Learning-Based Multi-Channel Access in 5G and Beyond Networks With Fast Time-Varying Channels. *Wang, S.*, +, *TVT May 2020 5203-5218*
- Low-Cost and Power-Efficient Massive MIMO Precoding: Architecture and Algorithm Designs. *Chen, J.*, *TVT July 2020 7429-7442*
- Machine Learning and Reputation Based Misbehavior Detection in Vehicular Communication Networks. *Gyawali, S.*, +, *TVT Aug. 2020 8871-8885*
- Machine Learning Enabling Analog Beam Selection for Concurrent Transmissions in Millimeter-Wave V2V Communications. *Yang, Y.*, +, *TVT Aug. 2020 9185-9189*
- Machine-Learning-Based Hazardous Spot Detection Framework by Mobile Sensing and Opportunistic Networks. *Watanabe, Y.*, +, *TVT Nov. 2020 13646-13657*
- Mean-Field Game Theoretic Edge Caching in Ultra-Dense Networks. *Kim, H.*, +, *TVT Jan. 2020 935-947*
- Mechanism Design for Wireless Powered Spatial Crowdsourcing Networks. *Jiao, Y.*, +, *TVT Jan. 2020 920-934*
- Mobile Edge Computing via Wireless Power Transfer Over Multiple Fading Blocks: An Optimal Stopping Approach. *Gu, Q.*, +, *TVT Sept. 2020 10348-10361*
- Mobile Image Communications Using Deep Neural Networks for Heterogeneous User Devices in MIMO Channels. *Chang, S.*, +, *TVT June 2020 6359-6373*
- Mode Selection and Resource Allocation in Sliced Fog Radio Access Networks: A Reinforcement Learning Approach. *Xiang, H.*, +, *TVT April 2020 4271-4284*
- Modeling and Optimization of Mobility-Aware Dynamic Caching With Time-Varying Content Popularity. *Deng, T.*, +, *TVT Jan. 2020 1157-1162*
- Multi-Agent Deep Reinforcement Learning Based Spectrum Allocation for D2D Underlay Communications. *Li, Z.*, +, *TVT Feb. 2020 1828-1840*
- Multi-Agent Deep Reinforcement Learning-Based Flexible Satellite Payload for Mobile Terminals. *Hu, X.*, +, *TVT Sept. 2020 9849-9865*
- Multi-Feature Fusion Based Recognition and Relevance Analysis of Propagation Scenes for High-Speed Railway Channels. *Zhou, T.*, +, *TVT Aug. 2020 8107-8118*
- Multi-Task Learning at the Mobile Edge: An Effective Way to Combine Traffic Classification and Prediction. *Rago, A.*, +, *TVT Sept. 2020 10362-10374*
- Multicast Beamforming Optimization in Cloud-Based Heterogeneous Terrestrial and Satellite Networks. *Zhang, H.*, +, *TVT Feb. 2020 1766-1776*
- Neural Network-Based Relay Selection in Two-Way SWIPT-Enabled Cognitive Radio Networks. *Zhang, Z.*, +, *TVT June 2020 6264-6274*
- Online Rating Protocol Using Endogenous and Incremental Learning Design for Mobile Crowdsensing. *Lu, J.*, +, *TVT March 2020 3190-3201*
- Optimizing Live Layered Video Multicasting Over LTE With Mobile Edge Computing. *Hwang, R.*, +, *TVT Oct. 2020 12072-12084*
- Performance Optimization for Blockchain-Enabled Distributed Network Function Virtualization Management and Orchestration. *Fu, X.*, +, *TVT June 2020 6670-6679*
- Pilot-Less One-Shot Sparse Coding for Short Packet-Based Machine-Type Communications. *Wu, J.*, +, *TVT Aug. 2020 9117-9120*
- Power Allocation Based on Reinforcement Learning for MIMO System With Energy Harvesting. *Mu, X.*, +, *TVT July 2020 7622-7633*
- Predicted Decoupling for Coexistence Between WiFi and LTE in Unlicensed Band. *Tian, F.*, +, *TVT April 2020 4130-4141*
- Private Uplink Communication in C-RAN With Untrusted Radios. *Taghizadeh, O.*, +, *TVT July 2020 8034-8039*
- QoE-Driven Transmission-Aware Cache Placement and Cooperative Beamforming Design in Cloud-RANs. *Sun, R.*, +, *TVT Jan. 2020 636-650*
- QoS Optimisation of eMBB Services in Converged 5G-Satellite Networks. *de Cola, T.*, +, *TVT Oct. 2020 12098-12110*
- Reduced-Complexity Low-Latency Logarithmic Successive Cancellation Stack Polar Decoding for 5G New Radio and Its Software Implementation. *Xiang, L.*, +, *TVT Nov. 2020 12449-12458*
- Regret Matching Learning Based Spectrum Reuse in Small Cell Networks. *Fan, C.*, +, *TVT Jan. 2020 1060-1064*
- Reinforcement Learning Based Cooperative Coded Caching Under Dynamic Popularities in Ultra-Dense Networks. *Gao, S.*, +, *TVT May 2020 5442-5456*
- Remote Radio Head Activation and User Association in Dense C-RANs. *Wu, Z.*, +, *TVT Oct. 2020 12216-12228*
- Resource Allocation in Green Dense Cellular Networks: Complexity and Algorithms. *Mlika, Z.*, +, *TVT Feb. 2020 1994-2007*
- Secure SVM Training Over Vertically-Partitioned Datasets Using Consortium Blockchain for Vehicular Social Networks. *Shen, M.*, +, *TVT June 2020 5773-5783*
- Semi-Supervised Machine Learning Aided Anomaly Detection Method in Cellular Networks. *Lu, Y.*, +, *TVT Aug. 2020 8459-8467*
- Space-Domain Index Modulation for mmWave Cloud Radio Access Networks. *Luo, S.*, +, *TVT June 2020 6215-6229*
- Spatial Anti-Jamming Scheme for Internet of Satellites Based on the Deep Reinforcement Learning and Stackelberg Game. *Han, C.*, +, *TVT May 2020 5331-5342*
- State-Aware Rate Adaptation for UAVs by Incorporating On-Board Sensors. *He, S.*, +, *TVT Jan. 2020 488-496*
- Subcarrier Assignment Schemes Based on Q-Learning in Wideband Cognitive Radio Networks. *Zhou, Y.*, +, *TVT Jan. 2020 1168-1172*
- System-Centric Computation Energy Efficiency for Distributed NOMA-Based MEC Networks. *Ye, Y.*, +, *TVT Aug. 2020 8938-8948*
- Truncated Tree Based Hybrid Beamforming for Multi-Panel MIMO. *Wang, W.*, +, *TVT Nov. 2020 13974-13978*
- UAV-Enabled Secure Communications by Multi-Agent Deep Reinforcement Learning. *Zhang, Y.*, +, *TVT Oct. 2020 11599-11611*

- Unsupervised Deep Spectrum Sensing: A Variational Auto-Encoder Based Approach. *Xie, J.*, +, *TVT May 2020 5307-5319*
- UWB Receiver via Deep Learning in MUI and ISI Scenarios. *Sharma, S.*, +, *TVT March 2020 3496-3499*
- UWB System for Indoor Positioning and Tracking With Arbitrary Target Orientation, Optimal Anchor Location, and Adaptive NLOS Mitigation. *Chen, Y.*, +, *TVT Sept. 2020 9304-9314*
- Whale Optimization Algorithm With Applications to Resource Allocation in Wireless Networks. *Pham, Q.*, +, *TVT April 2020 4285-4297*
- Telecommunication congestion control**
- A Cooperative Transmission Scheme in Drone-Based Networks. *Hiraguri, T.*, +, *TVT March 2020 2905-2914*
- A Distributed Mobile Fog Computing Scheme for Mobile Delay-Sensitive Applications in SDN-Enabled Vehicular Networks. *Lin, C.*, +, *TVT May 2020 5481-5493*
- A Pointer Network Based Deep Learning Algorithm for User Pairing in Full-Duplex Wi-Fi Networks. *Zhang, Y.*, +, *TVT Oct. 2020 12363-12368*
- A Unified Optimisation Framework for QoS Management and Congestion Control in VHTS Systems. *de Cola, T.*, +, *TVT Oct. 2020 11619-11631*
- An Enhanced Random Access With Distributed Pilot Orthogonalization for Cellular IoT Networks. *Kim, T.*, +, *TVT Jan. 2020 1152-1156*
- Deep Reinforcement Learning Aided Intelligent Access Control in Energy Harvesting Based WLAN. *Zhao, Y.*, +, *TVT Nov. 2020 14078-14082*
- HetMEC: Heterogeneous Multi-Layer Mobile Edge Computing in the 6 G Era. *Zhang, Y.*, +, *TVT April 2020 4388-4400*
- Improving the Congestion Control Performance for Mobile Networks in High-Speed Railway via Deep Reinforcement Learning. *Cui, L.*, +, *TVT June 2020 5864-5875*
- Joint Long-Term Admission Control and Beamforming in Green Downlink Networks: Offline and Online Approaches. *Lin, J.*, +, *TVT Aug. 2020 8710-8724*
- Location Based Joint Spectrum Sensing and Radio Resource Allocation in Cognitive Radio Enabled LTE-U Systems. *Yang, Q.*, +, *TVT March 2020 2967-2979*
- Multiple Delay Estimation for Collision Resolution in Non-Orthogonal Random Access. *Bai, L.*, +, *TVT Jan. 2020 497-508*
- On Delay-Aware Resource Control With Statistical QoS Provisioning By Dual Connectivity in Heterogeneous Aeronautical Network. *Wang, D.*, +, *TVT March 2020 2915-2927*
- Optimization of Multitenant Radio Admission Control Through a Semi-Markov Decision Process. *Perez-Romero, J.*, +, *TVT Jan. 2020 862-875*
- Practical Machine Learning-Based Rate Adaptation Solution for Wi-Fi NICs: IEEE 802.11ac as a Case Study. *Li, C.*, +, *TVT Sept. 2020 10264-10277*
- Pricing Based Distributed Traffic Allocation for 5G Heterogeneous Networks. *Passas, V.*, +, *TVT Oct. 2020 12111-12123*
- Telecommunication control**
- A Novelty in *Blahut-Arimoto* Type Algorithms: Optimal Control Over Noisy Communication Channels. *Zamanipour, M.*, *TVT June 2020 6348-6358*
- A Two-Timescale Approach for Network Slicing in C-RAN. *Zhang, H.*, +, *TVT June 2020 6656-6669*
- Cooperative Scheduling for Pilot Reuse in Massive MIMO Systems. *Hua, Y.*, +, *TVT Nov. 2020 12857-12869*
- Design and Prototyping of a Software Defined Vehicular Networking. *Sadio, O.*, +, *TVT Jan. 2020 842-850*
- Dual-Use Signal Design for Radar and Communication via Ambiguity Function Sidelobe Control. *Yang, J.*, +, *TVT Sept. 2020 9781-9794*
- Efficient Resource Allocation and Power Control for LTE-A D2D Communication With Pure D2D Model. *Lai, W.*, +, *TVT March 2020 3202-3216*
- FBIA: A Fog-Based Identity Authentication Scheme for Privacy Preservation in Internet of Vehicles. *Song, L.*, +, *TVT May 2020 5403-5415*
- Joint Frequency and Power Control for Self-Organizing OFDMA Femtocell Networks. *Sevim, O.*, +, *TVT May 2020 5089-5101*
- Joint Mode Selection and Power Control for Interference Management in D2D-Enabled Heterogeneous Cellular Networks. *Liu, X.*, +, *TVT Sept. 2020 9707-9719*
- Learning and Uncertainty-Exploited Directional Antenna Control for Robust Long-Distance and Broad-Band Aerial Communication. *Liu, M.*, +, *TVT Jan. 2020 593-606*
- Max-Min QoS Power Control in Generalized Cell-Free Massive MIMO-NOMA With Optimal Backhaul Combining. *Nguyen, T.K.*, +, *TVT Oct. 2020 10949-10964*
- Multiobjective Beamforming Power Control for Robust SINR Target Tracking and Power Efficiency in Multicell MU-MIMO Wireless System. *Chen, W.*, +, *TVT June 2020 6200-6214*
- Named Data Networking Enabled Power Saving Mode Design for WLAN. *Wu, F.*, +, *TVT Jan. 2020 901-913*
- On the Performance of LTE/Wi-Fi Dual-Mode Uplink Transmission: Connection Probability Versus Energy Efficiency. *Zhang, J.*, +, *TVT Oct. 2020 11152-11168*
- Pairing Distance Resolution and Power Control for Massive Connectivity Improvement in NOMA Systems. *Mounchili, S.*, +, *TVT April 2020 4093-4103*
- PARC: Placement Availability Resilient Controller Scheme for Software-Defined Datacenters. *Chaudhary, R.*, +, *TVT Aug. 2020 8985-9001*
- Power Allocation for D2D Communications Using Max-Min Message-Passing Algorithm. *Rashed, S.K.*, +, *TVT Aug. 2020 8443-8458*
- Precoding Design and Power Control for SINR Maximization of MISO System With Nonlinear Power Amplifiers. *Jee, J.*, +, *TVT Nov. 2020 14019-14024*
- Proactive Mobility Management With Trajectory Prediction Based on Virtual Cells in Ultra-Dense Networks. *Liu, Q.*, +, *TVT Aug. 2020 8832-8842*
- Rate Maximization for Hybrid Access Femtocell Networks With Outage Constraints Based on Pricing Incentive Mechanism. *Liu, Z.*, +, *TVT June 2020 6699-6708*
- Spatial Group Based Optimal Uplink Power Control for Random Access in Satellite Networks. *Zhao, B.*, +, *TVT July 2020 7354-7365*
- Throughput Analysis of Low-Latency IoT Systems With QoS Constraints and Finite Blocklength Codes. *Hu, Y.*, +, *TVT March 2020 3093-3104*
- UAV-Enabled Wireless Power Transfer With Base Station Charging and UAV Power Consumption. *Yan, H.*, +, *TVT Nov. 2020 12883-12896*
- Uplink NOMA Random Access Systems With Space-Time Line Code. *Seo, J.*, +, *TVT April 2020 4522-4526*
- Uplink Performance Improvement for Downlink-Uplink Decoupled HetNets With Non-Uniform User Distribution. *Sun, K.*, +, *TVT July 2020 7518-7530*
- WiFi-Assisted Control Traffic Offloading in Vehicular Environments. *Qin, H.*, +, *TVT April 2020 4542-4547*
- Telecommunication equipment**
- Eight-Diagram Based Access Point Selection Algorithm for Indoor Localization. *Xue, W.*, +, *TVT Nov. 2020 13196-13205*
- Named Data Networking Enabled Power Saving Mode Design for WLAN. *Wu, F.*, +, *TVT Jan. 2020 901-913*
- Telecommunication industry**
- Intra-Operator Customer Churn in Telecommunications: A Systematic Perspective. *Zhang, Y.*, +, *TVT Jan. 2020 948-957*
- Telecommunication network management**
- Implementing Distributed TDMA Using Relative Distance in Vehicular Networks. *Deng, Y.*, +, *TVT July 2020 7295-7305*
- Integrated Resource Management for Terrestrial-Satellite Systems. *Fu, S.*, +, *TVT March 2020 3256-3266*
- Optimization of Multitenant Radio Admission Control Through a Semi-Markov Decision Process. *Perez-Romero, J.*, +, *TVT Jan. 2020 862-875*
- Optimizing Live Layered Video Multicasting Over LTE With Mobile Edge Computing. *Hwang, R.*, +, *TVT Oct. 2020 12072-12084*
- Trust Management Scheme Based on Hybrid Cryptography for Secure Communications in VANETs. *Tangade, S.*, +, *TVT May 2020 5232-5243*
- Telecommunication network planning**
- A Deep-Learning Method for Device Activity Detection in mMTC Under Imperfect CSI Based on Variational-Autoencoder. *Zhao, T.*, +, *TVT July 2020 7981-7986*
- Augmenting Transmission Environments for Better Communications: Tunable Reflector Assisted MmWave WLANs. *Zhang, L.*, +, *TVT July 2020 7416-7428*

- AUV-Aided Localization for Underwater Acoustic Sensor Networks With Current Field Estimation. *Yan, J.*, +, *TVT Aug. 2020 8855-8870*
- Lifetime Maximization in Mobile Edge Computing Networks. *Gupta, S.*, +, *TVT March 2020 3310-3321*
- PARC: Placement Availability Resilient Controller Scheme for Software-Defined Datacenters. *Chaudhary, R.*, +, *TVT Aug. 2020 8985-9001*
- Wireless Energy Efficiency Evaluation for Buildings Under Design Based on Analysis of Interference Gain. *Zhang, J.*, +, *TVT June 2020 6310-6324*
- Telecommunication network reliability**
- A Cooperative Transmission Scheme in Drone-Based Networks. *Hiraguri, T.*, +, *TVT March 2020 2905-2914*
- A Lightweight Mutual Authentication Protocol for V2V Communication in Internet of Vehicles. *Vasudev, H.*, +, *TVT June 2020 6709-6717*
- A Unified Optimisation Framework for QoS Management and Congestion Control in VHTS Systems. *de Cola, T.*, +, *TVT Oct. 2020 11619-11631*
- Achievable Diversity Order of HARQ-Aided Downlink NOMA Systems. *Shi, Z.*, +, *TVT Jan. 2020 471-487*
- Adaptive Mode Selection for Backscatter-Assisted Communication Systems With Opportunistic SIC. *Li, D.*, +, *TVT Feb. 2020 2327-2331*
- Adaptive Power Factor Allocation for Cooperative Full-Duplex NOMA Systems With Imperfect SIC and Rate Fairness. *Lima, B.K.S.*, +, *TVT Nov. 2020 14061-14066*
- Adaptive Relay Selection Strategies for Cooperative NOMA Networks With User and Relay Cooperation. *Li, G.*, +, *TVT Oct. 2020 11728-11742*
- Adaptive Sum of Markov Chains for Modelling 3D Blockage in mmWave V2I Communications. *Alsaleem, F.N.*, +, *TVT Sept. 2020 9431-9444*
- An Applicable Repeated Transmission for Low Latency and Reliable Services. *Kim, E.*, +, *TVT Aug. 2020 8468-8482*
- Analysis and Optimization of Random Caching in mmWave Heterogeneous Networks. *Yang, L.*, +, *TVT Sept. 2020 10140-10154*
- Analysis of MRC With η - μ Co-Channel Interference. *Srinivasan, M.*, +, *TVT Jan. 2020 738-745*
- Augmenting Transmission Environments for Better Communications: Tunable Reflector Assisted MmWave WLANs. *Zhang, L.*, +, *TVT July 2020 7416-7428*
- Capacity and Outage of Terahertz Communications With User Micro-Mobility and Beam Misalignment. *Petrov, V.*, +, *TVT June 2020 6822-6827*
- Cellular Clustering-Based Interference-Aware Data Transmission Protocol for Underwater Acoustic Sensor Networks. *Zhang, J.*, +, *TVT March 2020 3217-3230*
- Channel-Aware Power Allocation and Decoding Order in Overlay Cognitive NOMA Networks. *Li, G.*, +, *TVT June 2020 6511-6524*
- Cluster-Enabled Cooperative Scheduling Based on Reinforcement Learning for High-Mobility Vehicular Networks. *Xia, Y.*, +, *TVT Nov. 2020 12664-12678*
- Compressive Sensing Based Massive Access for IoT Relying on Media Modulation Aided Machine Type Communications. *Qiao, L.*, +, *TVT Sept. 2020 10391-10396*
- Concurrent OFDM Demodulation and Turbo Decoding for Ultra Reliable Low Latency Communication. *Xiang, L.*, +, *TVT Feb. 2020 1281-1290*
- Contention-Based Radio Resource Management for URLLC-Oriented D2D Communications. *Wu, Y.*, +, *TVT Sept. 2020 9960-9971*
- Correlation-Based Cooperative Jamming to Enhance Secrecy With Receiver-Side Correlation. *Xu, S.*, +, *TVT Feb. 2020 1903-1912*
- Cross-Media Communications With Decode-and-Forward Relay and Optimal Power Allocation. *Li, Y.*, +, *TVT Aug. 2020 9201-9205*
- Cyber-Physical Scheduling for Predictable Reliability of Inter-Vehicle Communications. *Li, C.*, +, *TVT April 2020 4192-4206*
- Deep Reinforcement Learning Aided Intelligent Access Control in Energy Harvesting Based WLAN. *Zhao, Y.*, +, *TVT Nov. 2020 14078-14082*
- Effect of Impulsive Noise on Uplink NOMA Systems. *Selim, B.*, +, *TVT March 2020 3454-3458*
- Efficient Hybrid Beamforming With Anti-Blockage Design for High-Speed Railway Communications. *Gao, M.*, +, *TVT Sept. 2020 9643-9655*
- Electromagnetic Radiation Reduction in 5G Networks and Beyond Using Thermal Radiation Mode. *Kour, H.*, +, *TVT Oct. 2020 11841-11856*
- End-to-End Slicing With Optimized Communication and Computing Resource Allocation in Multi-Tenant 5G Systems. *Chien, H.*, +, *TVT Feb. 2020 2079-2091*
- Energy Efficient Parallel Concatenated Index Modulation and M-ary PSK Aided OFDM-DCSK Communications With QoS Consideration. *Liu, Z.*, +, *TVT Sept. 2020 9469-9482*
- Energy-Aware Relay Selection Improves Security-Reliability Tradeoff in Energy Harvesting Cooperative Cognitive Radio Systems. *Yan, P.*, +, *TVT May 2020 5115-5128*
- Energy-Efficient Power Allocation and User Selection for mmWave-NOMA Transmission in M2M Communications Underlying Cellular Heterogeneous Networks. *Sobhi-Givi, S.*, +, *TVT Sept. 2020 9866-9881*
- Enhanced Sparse Vector Coding for Ultra-Reliable and Low Latency Communications. *Kim, W.*, +, *TVT May 2020 5698-5702*
- Enhancing Misbehavior Detection in 5G Vehicle-to-Vehicle Communications. *Nguyen, V.*, +, *TVT Sept. 2020 9417-9430*
- Enhancing Video Streaming in Vehicular Networks via Resource Slicing. *Khan, H.*, +, *TVT April 2020 3513-3522*
- Fairness-Aware Intragroup Cooperative Transmission in Wireless Powered Communication Networks. *Mao, Z.*, +, *TVT June 2020 6463-6472*
- Feedbackless Relaying for Enhancing Reliability of Connected Vehicles. *Ali, G.G.M.N.*, +, *TVT May 2020 4621-4634*
- Full-Duplex Non-Orthogonal Multiple Access Cooperative Spectrum-Sharing Networks With Non-Linear Energy Harvesting. *Hakimi, A.*, +, *TVT Oct. 2020 10925-10936*
- Generalized Space Domain Index Modulation for mmWave Distributed Antenna Systems. *Luo, S.*, +, *TVT Nov. 2020 14067-14071*
- Impact of Hardware Impairments on the Outage Probability and Ergodic Capacity of One-Way and Two-Way Full-Duplex Relaying Systems. *Nguyen, B.C.*, +, *TVT Aug. 2020 8555-8567*
- Integrating Broadcasting and NOMA in Full-Duplex Buffer-Aided Opportunistic Relay Networks. *Nomikos, N.*, +, *TVT Aug. 2020 9157-9162*
- Latency and Reliability of mmWave Multi-Hop V2V Communications Under Relay Selections. *Li, Z.*, +, *TVT Sept. 2020 9807-9821*
- Link Reliability-Based Adaptive Routing for Multilevel Vehicular Networks. *Xu, C.*, +, *TVT Oct. 2020 11771-11785*
- Machine Learning and Reputation Based Misbehavior Detection in Vehicular Communication Networks. *Gyawali, S.*, +, *TVT Aug. 2020 8871-8885*
- Mixed RF-VLC Relaying Systems for Interference-Sensitive Mobile Applications. *Petkovic, M.I.*, +, *TVT Oct. 2020 11099-11111*
- Mobility-Aware Analysis of Millimeter Wave Communication Systems With Blockages. *Choi, S.*, +, *TVT June 2020 5901-5912*
- Modeling and Performance Analysis for Ambient Backscattering Underlying Cellular Networks. *Shi, L.*, +, *TVT June 2020 6563-6577*
- Novel Outage-Aware NOMA Protocol for Secrecy Fairness Maximization Among Untrusted Users. *Thapar, S.*, +, *TVT Nov. 2020 13259-13272*
- On Evaluation of Indoor to Outdoor Communications Using Neighbourhood Small Cells. *Yang, W.*, +, *TVT July 2020 8045-8050*
- On Multi-Hop Short-Packet Communications: Recoding or End-to-End Fountain Coding?. *Li, Y.*, +, *TVT Aug. 2020 9229-9233*
- On Outage Analysis in SWIPT Enabled Bidirectional D2D Communications Using Spectrum Sharing in Cellular Networks. *Ghosh, S.*, +, *TVT Sept. 2020 10167-10176*
- On the Multiplexing of Data and Metadata for Ultra-Reliable Low-Latency Communications in 5G. *Karimi, A.*, +, *TVT Oct. 2020 12136-12147*
- On the Performance Analysis of mmWave MIMO-NOMA Transmission Scheme. *Aghdam, M.R.G.*, +, *TVT Oct. 2020 11491-11500*
- On the Performance of Multihop Cognitive Wireless Powered D2D Communications in WSNs. *Nguyen, T.V.*, +, *TVT March 2020 2684-2699*
- On the Physical Layer Security of Millimeter Wave NOMA Networks. *Huang, S.*, +, *TVT Oct. 2020 11697-11711*
- On the Physical Layer Security of Underlay Relay-Aided Device-to-Device Communications. *Khoshafa, M.H.*, +, *TVT July 2020 7609-7621*
- Optimal Relay Selection for Secure NOMA Systems Under Untrusted Users. *Cao, K.*, +, *TVT Feb. 2020 1942-1955*
- Optimal Resource Allocation for Multicarrier NOMA in Short Packet Communications. *Chen, J.*, +, *TVT Feb. 2020 2141-2156*

- Optimal Resource Allocation in Ground Wireless Networks Supporting Unmanned Aerial Vehicle Transmissions. *Hu, Y.*, +, *TVT Aug. 2020 8972-8984*
- Outage Analysis for MISO Zero-Forcing Precoding With Outdated CSI. *Liu, G.*, +, *TVT Aug. 2020 9152-9156*
- Outage Analysis in Cognitive Radio Networks With Energy Harvesting and Q-Routing. *Paul, A.*, +, *TVT June 2020 6755-6765*
- Outage Analysis of RF Energy Harvesting Cooperative Communication Systems Over Nakagami- m Fading Channels With Integer and Non-Integer m . *Hoang, T.M.*, +, *TVT March 2020 2785-2801*
- Outage Behaviors of NOMA-Based Satellite Network Over Shadowed-Rician Fading Channels. *Yue, X.*, +, *TVT June 2020 6818-6821*
- Outage of Cognitive Electric Vehicle Networks Over Mixed RF/VLC Channels With Signal-Dependent Noise and Imperfect CSI. *Naurzybayev, G.*, +, *TVT June 2020 6828-6832*
- Outage Performance Analysis of Two-Way Full-Duplex DF Relaying Networks With Beamforming. *Lee, J.*, +, *TVT Aug. 2020 8753-8763*
- Outage Probabilities of Cache and SIC Enabled Downlink MIMO NOMA Cellular Networks With Randomly Distributed Users. *Zheng, J.*, +, *TVT Nov. 2020 13942-13946*
- PARC: Placement Availability Resilient Controller Scheme for Software-Defined Datacenters. *Chaudhary, R.*, +, *TVT Aug. 2020 8985-9001*
- Partial Packet Duplication: Control of Fade and Non-Fade Duration Outages Using Matrix Exponential Distributions. *Tekinay, M.*, +, *TVT May 2020 5652-5656*
- Performance Analysis and Enhancement of Beamforming Training in 802.11ad. *Wu, W.*, +, *TVT May 2020 5293-5306*
- Performance Analysis and Optimization of Bidirectional Overlay Cognitive Radio Networks With Hybrid-SWIPT. *Prathima, A.*, +, *TVT Nov. 2020 13467-13481*
- Performance Analysis and Power Allocation Strategy for Downlink NOMA Systems in Large-Scale Cellular Networks. *Wang, J.*, +, *TVT March 2020 3459-3464*
- Performance Analysis for Uplink Transmission in User-Centric Ultra-Dense V2I Networks. *Wu, P.*, +, *TVT Sept. 2020 9342-9355*
- Performance Analysis of Downlink NOMA Systems Over κ - μ Shadowed Fading Channels. *EIHalawany, B.M.*, +, *TVT Jan. 2020 1046-1050*
- Performance Analysis of Dual-Hop Relaying With I/Q Imbalance and Additive Hardware Impairment. *Gao, Y.*, +, *TVT April 2020 4580-4584*
- Performance Analysis of Full-Duplex Relay-Aided NOMA Systems Using Partial Relay Selection. *Tregancini, A.*, +, *TVT Jan. 2020 622-635*
- Performance Analysis of Mixed RF-UWOC Dual-Hop Transmission Systems. *Li, S.*, +, *TVT Nov. 2020 14043-14048*
- Performance Analysis of NOMA Enabled Hybrid Network With Limited Feedback. *Swami, P.*, +, *TVT April 2020 4516-4521*
- Performance Analysis of OSTBC-NOMA System in the Presence of Practical Impairments. *Toka, M.*, +, *TVT Sept. 2020 9697-9706*
- Performance of Distributed Massive MIMO and Small-Cell Systems Under Hardware and Channel Impairments. *Elhoushy, S.*, +, *TVT Aug. 2020 8627-8642*
- Physical Layer Security for Multiuser Satellite Communication Systems With Threshold-Based Scheduling Scheme. *Guo, K.*, +, *TVT May 2020 5129-5141*
- Physical Layer Security of QSTBC With Power Scaling in MIMO Wiretap Channels. *Chae, S.H.*, +, *TVT May 2020 5647-5651*
- Power Optimization for Enhancing Secrecy of Cooperative User Relaying NOMA Networks. *Cao, Y.*, +, *TVT July 2020 8008-8012*
- Power-Time Splitting-Based Non-Linear Energy Harvesting in FD Short-Packet Communications. *Raut, P.*, +, *TVT Aug. 2020 9146-9151*
- Rate Maximization for Hybrid Access Femtocell Networks With Outage Constraints Based on Pricing Incentive Mechanism. *Liu, Z.*, +, *TVT June 2020 6699-6708*
- Real-Time QoS Optimization for Vehicular Edge Computing With Off-Grid Roadside Units. *Ku, Y.*, +, *TVT Oct. 2020 11975-11991*
- Repetition-Based NOMA Transmission and Its Outage Probability Analysis. *Choi, J.*, *TVT June 2020 5913-5922*
- Research on Cognitive Power Allocation for Secure Millimeter-Wave NOMA Networks. *Song, Y.*, +, *TVT Nov. 2020 13424-13436*
- Resource Allocation for Cellular V2X Networks Mode-3 With Underlay Approach in LTE-V Standard. *Aslani, R.*, +, *TVT Aug. 2020 8601-8612*
- Resources Allocation at the Physical Layer for Network Function Virtualization Deployment. *Xie, N.*, +, *TVT March 2020 2771-2784*
- Secrecy Analysis of Ambient Backscatter NOMA Systems Under I/Q Imbalance. *Li, X.*, +, *TVT Oct. 2020 12286-12290*
- Secrecy Analysis Over Cascaded κ - μ Fading Channels With Multiple Eavesdroppers. *Tashman, D.H.*, +, *TVT Aug. 2020 8433-8442*
- Secrecy Outage Analysis of Transmit Antenna Selection Assisted With Wireless Power Beacon. *Yan, P.*, +, *TVT July 2020 7473-7482*
- Secrecy Performance Analysis of RIS-Aided Wireless Communication Systems. *Yang, L.*, +, *TVT Oct. 2020 12296-12300*
- Secrecy Performance Analysis of UAV Assisted Relay Transmission for Cognitive Network With Energy Harvesting. *Ji, B.*, +, *TVT July 2020 7404-7415*
- Secrecy Performance of NOMA Systems With Energy Harvesting and Full-Duplex Relaying. *Guo, C.*, +, *TVT Oct. 2020 12301-12305*
- Secrecy Performance of User and Antenna Selection With Channel Estimation Inaccuracy. *Lee, D.*, *TVT April 2020 4533-4536*
- Secrecy Under Rayleigh-Dual Correlated Rician Fading Employing Opportunistic Relays and an Adaptive Encoder. *Le, K.N.*, +, *TVT May 2020 5179-5192*
- Secure Communication With Outdated Channel State Information via Untrusted Relay Capable of Energy Harvesting. *Lim, J.*, +, *TVT Oct. 2020 11323-11337*
- Secure MIMO-SVD Communications Against Eavesdroppers With Any Number of Antennas. *Tang, J.*, +, *TVT Oct. 2020 11077-11089*
- Secure Wireless Powered Cooperative Communication Networks With Finite Energy Storage. *Wang, Y.*, +, *TVT Jan. 2020 1008-1022*
- Securing OFDM-Based NOMA SWIPT Systems. *Badawy, A.*, +, *TVT Oct. 2020 12343-12347*
- Self-Energized UAV-Assisted Scheme for Cooperative Wireless Relay Networks. *Jayakody, D.N.K.*, +, *TVT Jan. 2020 578-592*
- Space-Domain Index Modulation for mmWave Cloud Radio Access Networks. *Luo, S.*, +, *TVT June 2020 6215-6229*
- Statistical Modelling of Dynamic Interference Threshold and Its Effect on Network Capacity. *Kachroo, A.*, +, *TVT May 2020 5102-5114*
- Sum-Throughput Maximization Based on the Significance and Fairness of Sensors for Energy and Information Transfer in Virtual MIMO-WBAN. *Wang, T.*, +, *TVT Nov. 2020 13400-13409*
- Transient Performance Limits for Ultra-Reliable Low-Latency Communications Over Fading Channels. *Yang, H.*, +, *TVT Nov. 2020 13970-13973*
- Twin-Timescale Radio Resource Management for Ultra-Reliable and Low-Latency Vehicular Networks. *Yang, H.*, +, *TVT Jan. 2020 1023-1036*
- Uplink Coverage and Capacity Analysis of mMTC in Ultra-Dense Networks. *Kamel, M.*, +, *TVT Jan. 2020 746-759*
- Telecommunication network routing**
- A Joint Service Migration and Mobility Optimization Approach for Vehicular Edge Computing. *Yuan, Q.*, +, *TVT Aug. 2020 9041-9052*
- A Learning-Based Approach to Intra-Domain QoS Routing. *Yao, H.*, +, *TVT June 2020 6718-6730*
- Accessibility Analysis and Modeling for IoV in an Urban Scene. *Cheng, J.*, +, *TVT April 2020 4246-4256*
- Cellular Clustering-Based Interference-Aware Data Transmission Protocol for Underwater Acoustic Sensor Networks. *Zhang, J.*, +, *TVT March 2020 3217-3230*
- Cluster-Enabled Cooperative Scheduling Based on Reinforcement Learning for High-Mobility Vehicular Networks. *Xia, Y.*, +, *TVT Nov. 2020 12664-12678*
- Design and Prototyping of a Software Defined Vehicular Networking. *Sadio, O.*, +, *TVT Jan. 2020 842-850*
- Dynamic Interior Point Method for Vehicular Traffic Optimization. *Guo, C.*, +, *TVT May 2020 4855-4868*
- Energy-Efficient UAV Routing for Wireless Sensor Networks. *Baek, J.*, +, *TVT Feb. 2020 1741-1750*

- Energy-Saving Data Aggregation for Multi-UAV System. *Xiong, F.*, +, *TVT Aug. 2020 9002-9016*
- Handling Spontaneous Traffic Variations in 5G+ via Offloading Onto mmWave-Capable UAV "Bridges". *Tafintsev, N.*, +, *TVT Sept. 2020 10070-10084*
- On Maximizing Min Source Rate in Power Beacon Assisted IoTs Networks. *He, T.*, +, *TVT Oct. 2020 11880-11892*
- Outage Analysis in Cognitive Radio Networks With Energy Harvesting and Q-Routing. *Paul, A.*, +, *TVT June 2020 6755-6765*
- Spatial Anti-Jamming Scheme for Internet of Satellites Based on the Deep Reinforcement Learning and Stackelberg Game. *Han, C.*, +, *TVT May 2020 5331-5342*
- Spectral Efficiency of Multi-Hop Millimeter Wave Networks Using N^{th} Best Relay Routing Technique. *Ibrahim, M.*, +, *TVT Sept. 2020 9951-9959*
- T-Safe: Trustworthy Service Provisioning for IoT-Based Intelligent Transport Systems. *Dass, P.*, +, *TVT Sept. 2020 9509-9517*
- Traffic Differentiated Clustering Routing in DSRC and C-V2X Hybrid Vehicular Networks. *Qi, W.*, +, *TVT July 2020 7723-7734*
- Telecommunication network topology**
- A Learning-Based Approach to Intra-Domain QoS Routing. *Yao, H.*, +, *TVT June 2020 6718-6730*
- Accurate Analytical-Based Multi-Hop Localization With Low Energy Consumption for Irregular Networks. *Yan, X.*, +, *TVT Feb. 2020 2021-2033*
- Complex Network Analysis of VANET Topology With Realistic Vehicular Traces. *Qu, X.*, +, *TVT April 2020 4426-4438*
- Coordinated Multiple Access Point Multiuser Beamforming Training Protocol for Millimeter Wave WLANs. *Shen, L.*, +, *TVT Nov. 2020 13875-13889*
- Design and Analysis of Multi-User Association and Beam Training Schemes for Millimeter Wave Based WLANs. *Shen, L.*, +, *TVT July 2020 7458-7472*
- Design and Prototyping of a Software Defined Vehicular Networking. *Sadio, O.*, +, *TVT Jan. 2020 842-850*
- Energy-Spectral Efficiency Optimization in Vehicular Communications: Joint Clustering and Pricing-Based Robust Power Control Approach. *Xie, Y.*, +, *TVT Nov. 2020 13673-13685*
- Infrastructure-Less Vehicle Traffic Density Estimation via Distributed Packet Probing in V2V Network. *Shin, C.S.*, +, *TVT Oct. 2020 10403-10418*
- Intelligent User-Centric Networks: Learning-Based Downlink CoMP Region Breathing. *Wang, L.*, +, *TVT May 2020 5583-5597*
- Learn to Coloring: Fast Response to Perturbation in UAV-Assisted Disaster Relief Networks. *Wang, B.*, +, *TVT March 2020 3505-3509*
- Lifetime Maximization in Mobile Edge Computing Networks. *Gupta, S.*, +, *TVT March 2020 3310-3321*
- Novel Fuzzy and Game Theory Based Clustering and Decision Making for VANETs. *Alsarhan, A.*, +, *TVT Feb. 2020 1568-1581*
- Optimal Measurement Policy for Linear Measurement Systems With Applications to UAV Network Topology Prediction. *Razi, A.*, *TVT Feb. 2020 1970-1981*
- PARC: Placement Availability Resilient Controller Scheme for Software-Defined Datacenters. *Chaudhary, R.*, +, *TVT Aug. 2020 8985-9001*
- TCSC: A Novel File Distribution Strategy in Integrated LEO Satellite-Terrestrial Networks. *Yang, Z.*, +, *TVT May 2020 5426-5441*
- Toward Swarm Coordination: Topology-Aware Inter-UAV Routing Optimization. *Hong, L.*, +, *TVT Sept. 2020 10177-10187*
- Telecommunication power management**
- A Bandit Approach for Mode Selection in Ambient Backscatter-Assisted Wireless-Powered Relaying. *Li, G.*, +, *TVT Aug. 2020 9190-9195*
- A Fully Distributed and Clustered Learning of Power Control in User-Centric Ultra-Dense HetNets. *Makhanbet, M.*, +, *TVT Oct. 2020 11529-11543*
- A Model-Driven Deep Reinforcement Learning Heuristic Algorithm for Resource Allocation in Ultra-Dense Cellular Networks. *Liao, X.*, +, *TVT Jan. 2020 983-997*
- A Novel Graphics-Based Multi-Epoch Power Adjustment Strategy for WPCNs. *Wang, T.*, +, *TVT Nov. 2020 14093-14098*
- A Reliable Data Loss Aware Algorithm for Fog-IoT Networks. *Abkenar, F.S.*, +, *TVT May 2020 5718-5722*
- Adaptive Bitrate Video Streaming in Non-Orthogonal Multiple Access Networks. *Zhang, J.*, +, *TVT April 2020 3980-3993*
- AirNet: Energy-Aware Deployment and Scheduling of Aerial Networks. *Bozkaya, E.*, +, *TVT Oct. 2020 12252-12263*
- An Energy-Efficient Resource Allocation Scheme for SWIPT-NOMA Based Femtocells Users With Imperfect CSI. *Budhiraja, I.*, +, *TVT July 2020 7790-7805*
- Antenna Selection for Improving Energy Efficiency in XL-MIMO Systems. *Marinello, J.C.*, +, *TVT Nov. 2020 13305-13318*
- Backscatter Communication via Harvest-Then-Transmit Relaying. *Li, D.*, *TVT June 2020 6843-6847*
- Buffer-Aided Secure Relay Networks With SWIPT. *Ren, J.*, +, *TVT June 2020 6485-6499*
- Charge-and-Activate Policies for Targets Monitoring in RF-Harvesting Sensor Networks. *Fei, J.*, +, *TVT July 2020 7835-7846*
- Coded Caching for Smart Grid Enabled HetNets With Resource Allocation and Energy Cooperation. *Yin, F.*, +, *TVT Oct. 2020 12058-12071*
- Common Throughput Maximization in Wireless Powered Communication Networks With Non-Orthogonal Multiple Access. *Chen, Z.*, +, *TVT July 2020 7692-7706*
- Deep Reinforcement Learning Aided Intelligent Access Control in Energy Harvesting Based WLAN. *Zhao, Y.*, +, *TVT Nov. 2020 14078-14082*
- Distributed Utility Optimization in Vehicular Communication Systems. *Diaz-Ibarra, M.A.*, +, *TVT Oct. 2020 11992-12003*
- Distributionally Robust Two-Stage Energy Management for Hybrid Energy Powered Cellular Networks. *Du, P.*, +, *TVT Oct. 2020 12162-12174*
- Dynamic Network Slicing and Resource Allocation in Mobile Edge Computing Systems. *Feng, J.*, +, *TVT July 2020 7863-7878*
- Efficient Low-Complexity Antenna Selection Algorithms in Multi-User Massive MIMO Systems With Matched Filter Precoding. *Abdullah, Z.*, +, *TVT March 2020 2993-3007*
- Electromagnetic Radiation Reduction in 5G Networks and Beyond Using Thermal Radiation Mode. *Kour, H.*, +, *TVT Oct. 2020 11841-11856*
- Energy Efficiency and Delay Optimization for Edge Caching Aided Video Streaming. *Zhou, G.*, +, *TVT Nov. 2020 14116-14121*
- Energy Efficiency for RF-Powered Backscatter Networks Using HTT Protocol. *Shi, L.*, +, *TVT Nov. 2020 13932-13936*
- Energy Efficient Adaptive Video Streaming With Rotary-Wing UAV. *Zhan, C.*, +, *TVT July 2020 8040-8044*
- Energy Efficient Parallel Concatenated Index Modulation and M -ary PSK Aided OFDM-DCSK Communications With QoS Consideration. *Liu, Z.*, +, *TVT Sept. 2020 9469-9482*
- Energy Efficient Resource Allocation for Underlying Multi-D2D Enabled Multiple-Antennas Communications. *Ozbek, B.*, +, *TVT June 2020 6189-6199*
- Energy Optimization For Hybrid ARQ With Turbo Coding: Rate Adaptation and Allocation. *Zhang, B.*, +, *TVT Oct. 2020 11338-11352*
- Energy- and Spectral-Efficiency Tradeoff With α -Fairness in Energy Harvesting D2D Communication. *Kuang, Z.*, +, *TVT Sept. 2020 9972-9983*
- Energy-Efficient Analog Combiner Design Using Low-Resolution Phase Shifters and Antenna Selection for mmWave D2D Communications. *Chen, J.*, *TVT Nov. 2020 13979-13984*
- Energy-Efficient and Secure Air-to-Ground Communication With Jittering UAV. *Wu, H.*, +, *TVT April 2020 3954-3967*
- Energy-Efficient Channel Switching in Cognitive Radio Networks: A Reinforcement Learning Approach. *Ding, H.*, +, *TVT Oct. 2020 12359-12362*
- Energy-Efficient Design of IRS-NOMA Networks. *Fang, F.*, +, *TVT Nov. 2020 14088-14092*
- Energy-Efficient Power Allocation and Q-Learning-Based Relay Selection for Relay-Aided D2D Communication. *Wang, X.*, +, *TVT June 2020 6452-6462*
- Energy-Efficient Power Allocation and User Selection for mmWave-NOMA Transmission in M2M Communications Underlying Cellular Heterogeneous Networks. *Sobhi-Givi, S.*, +, *TVT Sept. 2020 9866-9881*
- Energy-Efficient Resource Allocation for High-Rate Underlay D2D Communications With Statistical CSI: A One-to-Many Strategy. *Li, R.*, +, *TVT April 2020 4006-4018*

- Energy-Efficient Resource Allocation for Latency-Sensitive Mobile Edge Computing. *Chen, X.*, +, *TVT Feb. 2020 2246-2262*
- Energy-Efficient SWIPT-Empowered D2D Mode Selection. *Huang, J.*, +, *TVT April 2020 3903-3915*
- Energy-Efficient UAV Routing for Wireless Sensor Networks. *Baek, J.*, +, *TVT Feb. 2020 1741-1750*
- Energy-Saving Data Aggregation for Multi-UAV System. *Xiong, F.*, +, *TVT Aug. 2020 9002-9016*
- Equilibrium Problems With Equilibrium Constraints Analysis for Power Control and User Scheduling in NOMA Networks. *Zhang, H.*, +, *TVT May 2020 5467-5480*
- Fairness-Aware Intragroup Cooperative Transmission in Wireless Powered Communication Networks. *Mao, Z.*, +, *TVT June 2020 6463-6472*
- Fast Beam Training Architecture for Hybrid mmWave Transceivers. *Yang, J.*, +, *TVT March 2020 2700-2715*
- Flexible DRX Optimization for LTE and 5G. *Moradi, F.*, +, *TVT Jan. 2020 607-621*
- Full-Duplex Non-Orthogonal Multiple Access Cooperative Spectrum-Sharing Networks With Non-Linear Energy Harvesting. *Hakimi, A.*, +, *TVT Oct. 2020 10925-10936*
- Gaussian Mixture Based Context-Aware Short-Term Characterization of Wireless Channels. *Mukherjee, P.*, +, *TVT Jan. 2020 26-40*
- Green Traffic Off-Loading Over Uncertain Shared Spectrums With End-to-End QoS Guarantee. *Li, X.*, +, *TVT Sept. 2020 9921-9937*
- Hierarchical Offloading for Delay-Constrained Applications in Fog RAN. *Guo, K.*, +, *TVT April 2020 4257-4270*
- Hybrid Analog-Digital Beamforming Design for SE and EE Maximization in Massive MIMO Networks. *Ardah, K.*, +, *TVT Jan. 2020 377-389*
- Hybrid Combining Based on Constant Phase Shifters and Active/Inactive Switches. *Bahingayi, E.E.*, +, *TVT April 2020 4058-4068*
- Impact of Battery Charging on Spectrum Sensing of CRN With Energy Harvesting. *Zheng, K.*, +, *TVT July 2020 7545-7557*
- Improving PHY-Security of UAV-Enabled Transmission With Wireless Energy Harvesting: Robust Trajectory Design and Communications Resource Allocation. *Mamaghani, M.T.*, +, *TVT Aug. 2020 8586-8600*
- Joint Energy-Efficient Power Allocation and Beamforming for Uplink mmWave-NOMA System. *Yu, X.*, +, *TVT Oct. 2020 12291-12295*
- Joint Long-Term Energy Efficiency Optimization in C-RAN With Hybrid Energy Supply. *Xu, B.*, +, *TVT Oct. 2020 11128-11138*
- Joint Modulation and Beamforming for MIMO Systems With 1-b DACs. *Han, Y.*, +, *TVT Jan. 2020 1075-1079*
- Joint Optimization of Cooperative Communication and Computation in Two-Way Relay MEC Systems. *Xie, B.*, +, *TVT April 2020 4596-4600*
- Latency Minimization for D2D-Enabled Partial Computation Offloading in Mobile Edge Computing. *Saleem, U.*, +, *TVT April 2020 4472-4486*
- Learning Based Joint Cache and Power Allocation in Fog Radio Access Networks. *Rahman, G.M.S.*, +, *TVT April 2020 4401-4411*
- Lifetime Maximization in Mobile Edge Computing Networks. *Gupta, S.*, +, *TVT March 2020 3310-3321*
- Low-Cost and Power-Efficient Massive MIMO Precoding: Architecture and Algorithm Designs. *Chen, J.*, *TVT July 2020 7429-7442*
- Mechanism Design for Wireless Powered Spatial Crowdsourcing Networks. *Jiao, Y.*, +, *TVT Jan. 2020 920-934*
- Mobile Edge Computing via Wireless Power Transfer Over Multiple Fading Blocks: An Optimal Stopping Approach. *Gu, Q.*, +, *TVT Sept. 2020 10348-10361*
- Named Data Networking Enabled Power Saving Mode Design for WLAN. *Wu, F.*, +, *TVT Jan. 2020 901-913*
- New Efficient Transmission Technique for HetNets With Massive MIMO Wireless Backhaul. *Hamdi, R.*, +, *TVT Jan. 2020 663-675*
- On Maximizing Min Source Rate in Power Beacon Assisted IoTs Networks. *He, T.*, +, *TVT Oct. 2020 11880-11892*
- On Outage Analysis in SWIPT Enabled Bidirectional D2D Communications Using Spectrum Sharing in Cellular Networks. *Ghosh, S.*, +, *TVT Sept. 2020 10167-10176*
- On the Performance of LTE/Wi-Fi Dual-Mode Uplink Transmission: Connection Probability Versus Energy Efficiency. *Zhang, J.*, +, *TVT Oct. 2020 11152-11168*
- On the Throughput of Interference-Based Wireless Powered Communications With Receive Antenna Selection. *Al-Badarneh, Y.H.*, +, *TVT March 2020 3048-3056*
- Optimal Altitude Selection of Aerial Base Stations to Maximize Coverage and Energy Harvesting Probabilities: A Stochastic Geometry Analysis. *Enayati, S.*, +, *TVT Jan. 2020 1096-1100*
- Optimal Energy Cooperation Policy in Fusion Center-Based Sustainable Wireless Sensor Networks. *Liang, H.*, +, *TVT June 2020 6401-6414*
- Optimal Power Allocation in Cooperative Networks With Energy-Saving Protocols. *Ojo, F.K.*, +, *TVT May 2020 5079-5088*
- Optimizing Weighted-Sum Energy Efficiency in Downlink and Uplink NOMA Systems. *Zamani, M.R.*, +, *TVT Oct. 2020 11112-11127*
- Outage Analysis in Cognitive Radio Networks With Energy Harvesting and Q-Routing. *Paul, A.*, +, *TVT June 2020 6755-6765*
- Outage Analysis of RF Energy Harvesting Cooperative Communication Systems Over Nakagami- m Fading Channels With Integer and Non-Integer m . *Hoang, T.M.*, +, *TVT March 2020 2785-2801*
- Performance Analysis and Optimization of Bidirectional Overlay Cognitive Radio Networks With Hybrid-SWIPT. *Prathima, A.*, +, *TVT Nov. 2020 13467-13481*
- Performance Analysis of Hybrid Beamforming Precoders for Multiuser Millimeter Wave NOMA Systems. *Badrudeen, A.A.*, +, *TVT Aug. 2020 8739-8752*
- Pilot Assignment and Power Allocation for Multipair Massive MIMO DF Relaying Networks. *Ho, C.D.*, +, *TVT July 2020 7379-7388*
- PLS-Based Secrecy Transmission for VANETs. *Song, H.*, +, *TVT July 2020 7596-7608*
- Power Minimization for Secure Multi-User MISO NOMA System With Energy Harvesting. *Zhou, J.*, +, *TVT Sept. 2020 10046-10058*
- Power Splitting-Based SWIPT Systems With Full-Duplex Jamming. *Ma, R.*, +, *TVT Sept. 2020 9822-9836*
- Power-Time Splitting-Based Non-Linear Energy Harvesting in FD Short-Packet Communications. *Raut, P.*, +, *TVT Aug. 2020 9146-9151*
- Proportional-Fair Multi-User Scalable Layered Wireless Video Streaming Powered by Energy Harvesting. *Yang, J.*, +, *TVT April 2020 4460-4471*
- Receive Beamforming and Resource Allocation for Wireless Powered Non-Orthogonal Multiple Access. *Lee, C.*, +, *TVT April 2020 4563-4568*
- Remote Radio Head Activation and User Association in Dense C-RANs. *Wu, Z.*, +, *TVT Oct. 2020 12216-12228*
- Research on Cost-Balanced Mobile Energy Replenishment Strategy for Wireless Rechargeable Sensor Networks. *Sha, C.*, +, *TVT March 2020 3135-3150*
- Secrecy Outage Analysis of Transmit Antenna Selection Assisted With Wireless Power Beacon. *Yan, P.*, +, *TVT July 2020 7473-7482*
- Secure Communication With Outdated Channel State Information via Untrusted Relay Capable of Energy Harvesting. *Lim, J.*, +, *TVT Oct. 2020 11323-11337*
- Secure Transmission via Power Allocation in NOMA-UAV Networks With Circular Trajectory. *Chen, X.*, +, *TVT Sept. 2020 10033-10045*
- Secure Wireless Powered Cooperative Communication Networks With Finite Energy Storage. *Wang, Y.*, +, *TVT Jan. 2020 1008-1022*
- Self-Energized UAV-Assisted Scheme for Cooperative Wireless Relay Networks. *Jayakody, D.N.K.*, +, *TVT Jan. 2020 578-592*
- Statistical Energy Efficiency Characterization for Wireless Transmission Over Fading Channels. *Yang, H.*, +, *TVT Nov. 2020 13947-13951*
- Stochastic Geometry Based Performance Characterization of SWIPT in Cell-Free Massive MIMO. *Kusaladharma, S.*, +, *TVT Nov. 2020 13357-13370*
- Sum-Throughput Maximization Based on the Significance and Fairness of Sensors for Energy and Information Transfer in Virtual MIMO-WBAN. *Wang, T.*, +, *TVT Nov. 2020 13400-13409*
- System Outage Probability of PS-SWIPT Enabled Two-Way AF Relaying With Hardware Impairments. *Liu, Z.*, +, *TVT Nov. 2020 13532-13545*

- System-Centric Computation Energy Efficiency for Distributed NOMA-Based MEC Networks. *Ye, Y., +, TVT Aug. 2020 8938-8948*
- Throughput Maximization of a Hybrid EH-SWIPT Relay System Under Temperature Constraints. *Oshaghi, M., +, TVT Feb. 2020 1792-1801*
- Throughput Maximization With Rate-Dependent Power Consumption in Battery-Limited Multiuser Networks. *Zhao, J., +, TVT Jan. 2020 1141-1146*
- Time-Expanded Graph Based Energy-Efficient Delay-Bounded Multicast Over Satellite Networks. *Shi, K., +, TVT Sept. 2020 10380-10384*
- Transceiver Design for AF MIMO Relay Systems With a Power Splitting Based Energy Harvesting Relay Node. *Li, B., +, TVT March 2020 2376-2388*
- UAV-Enabled Wireless Power Transfer With Base Station Charging and UAV Power Consumption. *Yan, H., +, TVT Nov. 2020 12883-12896*
- Uplink NOMA Random Access Systems With Space-Time Line Code. *Seo, J., +, TVT April 2020 4522-4526*
- Uplinks Schedulers for RF-Energy Harvesting Networks With Imperfect CSI. *Liu, Y., +, TVT April 2020 4233-4245*
- User Access and Resource Allocation in Full-Duplex User-Centric Ultra-Dense Networks. *Zhang, G., +, TVT Oct. 2020 12015-12030*
- Utility Analysis of Radio Access Network Slicing. *Zhou, G., +, TVT Jan. 2020 1163-1167*
- Wireless Energy Efficiency Evaluation for Buildings Under Design Based on Analysis of Interference Gain. *Zhang, J., +, TVT June 2020 6310-6324*
- Wireless Powered Intelligent Reflecting Surfaces for Enhancing Wireless Communications. *Zou, Y., +, TVT Oct. 2020 12369-12373*
- Telecommunication scheduling**
- A Critical MTC Resource Allocation Approach for LTE Networks With Finite Blocklength Codes. *Abdelsadek, M.Y., +, TVT May 2020 5598-5609*
- A Distributed Link Scheduler for In-Band Full Duplex Wireless Networks. *Ren, Y., +, TVT May 2020 5255-5267*
- A Distributed Mobile Fog Computing Scheme for Mobile Delay-Sensitive Applications in SDN-Enabled Vehicular Networks. *Lin, C., +, TVT May 2020 5481-5493*
- A Joint Service Migration and Mobility Optimization Approach for Vehicular Edge Computing. *Yuan, Q., +, TVT Aug. 2020 9041-9052*
- A New Block-Based Reinforcement Learning Approach for Distributed Resource Allocation in Clustered IoT Networks. *Hussain, F., +, TVT March 2020 2891-2904*
- A Two-Layered Incentive Scheme for Cooperation in Sliced 5G D2D Networks. *Sun, Q., +, TVT Nov. 2020 13289-13304*
- Adaptive Channel Prediction, Beamforming and Scheduling Design for 5G V2I Network: Analytical and Machine Learning Approaches. *Bogale, T.E., +, TVT May 2020 5055-5067*
- Adaptive Perturbation-Aided Opportunistic Hybrid Beamforming for mmWave Systems. *Van Le, T., +, TVT June 2020 6554-6562*
- AirNet: Energy-Aware Deployment and Scheduling of Aerial Networks. *Bozkaya, E., +, TVT Oct. 2020 12252-12263*
- Balancing Coverage and Response Time in Area Target Scheduling for Satellite Networks. *He, L., +, TVT June 2020 6848-6853*
- Buffer-Aided Secure Relay Networks With SWIPT. *Ren, J., +, TVT June 2020 6485-6499*
- Caching Placement and Resource Allocation for Cache-Enabling UAV NOMA Networks. *Zhang, T., +, TVT Nov. 2020 12897-12911*
- Cellular Clustering-Based Interference-Aware Data Transmission Protocol for Underwater Acoustic Sensor Networks. *Zhang, J., +, TVT March 2020 3217-3230*
- Channel-Dependent Scheduling in Wireless Energy Transfer for Mobile Devices. *Fang, W., +, TVT March 2020 3330-3340*
- Cluster-Enabled Cooperative Scheduling Based on Reinforcement Learning for High-Mobility Vehicular Networks. *Xia, Y., +, TVT Nov. 2020 12664-12678*
- Cooperative Scheduling for Pilot Reuse in Massive MIMO Systems. *Hua, Y., +, TVT Nov. 2020 12857-12869*
- Cyber-Physical Scheduling for Predictable Reliability of Inter-Vehicle Communications. *Li, C., +, TVT April 2020 4192-4206*
- Deep Neural Network for Resource Management in NOMA Networks. *Yang, N., +, TVT Jan. 2020 876-886*
- Distributed Stable Global Broadcasting for SINR-Based Multi-Channel Wireless Multi-Hop Networks. *Tian, X., +, TVT Sept. 2020 10202-10213*
- Dynamic Network Slicing and Resource Allocation in Mobile Edge Computing Systems. *Feng, J., +, TVT July 2020 7863-7878*
- Equilibrium Problems With Equilibrium Constraints Analysis for Power Control and User Scheduling in NOMA Networks. *Zhang, H., +, TVT May 2020 5467-5480*
- Frequency Synchronization With Beamforming Network Optimization for Uplink Massive MIMO Systems. *Feng, Y., +, TVT March 2020 3486-3490*
- Gibbs Distribution Based Antenna Splitting and User Scheduling in Full Duplex Massive MIMO Systems. *Guo, M., +, TVT April 2020 4508-4515*
- Graph Theory Based Beam Scheduling for Inter-Cell Interference Avoidance in MmWave Cellular Networks. *Sha, Z., +, TVT April 2020 3929-3942*
- Green Traffic Off-Loading Over Uncertain Shared Spectrums With End-to-End QoS Guarantee. *Li, X., +, TVT Sept. 2020 9921-9937*
- Hierarchical Resource Allocation in Multi-Service Wireless Networks With Wireless Network Virtualization. *Han, Y., +, TVT Oct. 2020 11811-11827*
- Intelligent User-Centric Networks: Learning-Based Downlink CoMP Region Breathing. *Wang, L., +, TVT May 2020 5583-5597*
- Joint Scheduling and Precoding for mmWave and Sub-6GHz Dual-Mode Networks. *Cheng, M., +, TVT Nov. 2020 13098-13111*
- Latency Constrained Non-Orthogonal Packets Scheduling With Finite Blocklength Codes. *Xu, Y., +, TVT Oct. 2020 12312-12316*
- Low-Delay Path Selection for Cluster-Based Buffer-Aided Vehicular Communications. *Alam, M.Z., +, TVT Sept. 2020 9356-9363*
- Mobile Vehicles as Fog Nodes for Latency Optimization in Smart Cities. *Tang, C., +, TVT Sept. 2020 9364-9375*
- Multicast Beamforming Optimization in Cloud-Based Heterogeneous Terrestrial and Satellite Networks. *Zhang, H., +, TVT Feb. 2020 1766-1776*
- New Efficient Transmission Technique for HetNets With Massive MIMO Wireless Backhaul. *Hamdi, R., +, TVT Jan. 2020 663-675*
- On the Performance of Multihop Cognitive Wireless Powered D2D Communications in WSNs. *Nguyen, T.V., +, TVT March 2020 2684-2699*
- On Wireless Blind Spots in the C-V2X Sidelink. *Bazzi, A., +, TVT Aug. 2020 9239-9243*
- Parking-Area-Assisted Spider-Web Routing Protocol for Emergency Data in Urban VANET. *Liu, H., +, TVT Jan. 2020 971-982*
- Physical Layer Security for Multiuser Satellite Communication Systems With Threshold-Based Scheduling Scheme. *Guo, K., +, TVT May 2020 5129-5141*
- QoS-Aware Self-Tuning of Service Priority Factor for Resource Allocation Optimization in LTE Networks. *Uthansakul, P., +, TVT Jan. 2020 887-900*
- Real-Time QoS Optimization for Vehicular Edge Computing With Off-Grid Roadside Units. *Ku, Y., +, TVT Oct. 2020 11975-11991*
- Semi-Blind Post-Equalizer SINR Estimation and Dual CSI Feedback for Radar-Cellular Coexistence. *Rao, R.M., +, TVT Sept. 2020 9720-9735*
- Uplinks Schedulers for RF-Energy Harvesting Networks With Imperfect CSI. *Liu, Y., +, TVT April 2020 4233-4245*
- Telecommunication security**
- 3D-MIMO Dual Communications in SCMA-Based Secure HetNets. *Abedi, M.R., +, TVT Aug. 2020 8499-8513*
- A Blockchain-Based Searchable Public-Key Encryption With Forward and Backward Privacy for Cloud-Assisted Vehicular Social Networks. *Chen, B., +, TVT June 2020 5813-5825*
- A Distributed Framework for Energy Trading Between UAVs and Charging Stations for Critical Applications. *Hassija, V., +, TVT May 2020 5391-5402*
- A Dynamic Trust Evaluation and Update Mechanism Based on C4.5 Decision Tree in Underwater Wireless Sensor Networks. *Jiang, J., +, TVT Aug. 2020 9031-9040*
- A More General Information Theoretic Study of Wireless Location Verification System. *Gholami, R., +, TVT Sept. 2020 9938-9950*
- A Secure Flexible and Tampering-Resistant Data Sharing System for Vehicular Social Networks. *Sun, J., +, TVT Nov. 2020 12938-12950*
- Accurate Analytical-Based Multi-Hop Localization With Low Energy Consumption for Irregular Networks. *Yan, X., +, TVT Feb. 2020 2021-2033*

- Achieving Positive Secrecy Rate in Wireless Multiple Access Wiretap Channels. *He, H.*, +, *TVT Aug. 2020 9121-9125*
- An Anti-Eavesdropping Strategy for Precoding-Aided Spatial Modulation With Rough CSI of Eve. *Xia, G.*, +, *TVT Feb. 2020 2343-2347*
- An Identity Management and Authentication Scheme Based on Redactable Blockchain for Mobile Networks. *Xu, J.*, +, *TVT June 2020 6688-6698*
- Beamformer Design for Physical Layer Security in Dual-Polarized Millimeter Wave Channels. *Song, J.*, +, *TVT Oct. 2020 12306-12311*
- Blockchain Enabled Trust-Based Location Privacy Protection Scheme in VANET. *Luo, B.*, +, *TVT Feb. 2020 2034-2048*
- Blockchain-Envisioned Secure Data Delivery and Collection Scheme for 5G-Based IoT-Enabled Internet of Drones Environment. *Bera, B.*, +, *TVT Aug. 2020 9097-9111*
- BlockEd: Blockchain-Based Secure Data Processing Framework in Edge Envisioned V2X Environment. *Aujla, G.S.*, +, *TVT June 2020 5850-5863*
- Buffer-Aided Secure Relay Networks With SWIPT. *Ren, J.*, +, *TVT June 2020 6485-6499*
- Correlation-Based Cooperative Jamming to Enhance Secrecy With Receiver-Side Correlation. *Xu, S.*, +, *TVT Feb. 2020 1903-1912*
- Covert Communications in D2D Underlying Cellular Networks With Antenna Array Assisted Artificial Noise Transmission. *Jiang, Y.*, +, *TVT March 2020 2980-2992*
- DCE-Based Secure Transmission for Massive MIMO Relay System Against Active Eavesdropper. *Lu, X.*, +, *TVT Nov. 2020 13045-13059*
- Deep Artificial Noise: Deep Learning-Based Precoding Optimization for Artificial Noise Scheme. *Yun, S.*, +, *TVT March 2020 3465-3469*
- Distributed Beamforming in the Presence of Adversaries. *Kong, J.*, +, *TVT Sept. 2020 9682-9696*
- Edge Computing-Based Privacy-Preserving Authentication Framework and Protocol for 5G-Enabled Vehicular Networks. *Zhang, J.*, +, *TVT July 2020 7940-7954*
- Energy Efficiency Maximization for Full-Duplex UAV Secrecy Communication. *Duo, B.*, +, *TVT April 2020 4590-4595*
- Energy-Aware Relay Selection Improves Security-Reliability Tradeoff in Energy Harvesting Cooperative Cognitive Radio Systems. *Yan, P.*, +, *TVT May 2020 5115-5128*
- Energy-Efficient and Secure Air-to-Ground Communication With Jittering UAV. *Wu, H.*, +, *TVT April 2020 3954-3967*
- Enhancing Misbehavior Detection in 5G Vehicle-to-Vehicle Communications. *Nguyen, V.*, +, *TVT Sept. 2020 9417-9430*
- Ensuring Safety and Security in CAN-Based Automotive Embedded Systems: A Combination of Design Optimization and Secure Communication. *Mun, H.*, +, *TVT July 2020 7078-7091*
- Fountain-Coding Aided Secure Transmission With Delay and Content Awareness. *Sun, L.*, +, *TVT July 2020 7992-7997*
- FTGPHA: Fixed-Trajectory Group Pre-Handover Authentication Mechanism for Mobile Relays in 5G High-Speed Rail Networks. *Ma, R.*, +, *TVT Feb. 2020 2126-2140*
- Guaranteeing Information Transfer Integrity Through Two Non-Colluding Malicious Nodes Against i.i.d. Attacks. *Zheng, X.*, +, *TVT Nov. 2020 14099-14103*
- Impacts of Constrained Sensing and Communication Based Attacks on Vehicular Platoons. *Sun, M.*, +, *TVT May 2020 4773-4787*
- Improving PHY-Security of UAV-Enabled Transmission With Wireless Energy Harvesting: Robust Trajectory Design and Communications Resource Allocation. *Mamaghani, M.T.*, +, *TVT Aug. 2020 8586-8600*
- Joint Beamforming Design and Receive Antenna Selection for Large-Scale MIMO Wiretap Channels. *Tian, M.*, +, *TVT March 2020 2716-2730*
- Joint Power Allocation and Beamforming for Overlaid Secrecy Transmissions in MIMO-OFDM Channels. *Yuan, C.*, +, *TVT Sept. 2020 10019-10032*
- Joint Transaction Relaying and Block Verification Optimization for Blockchain Empowered D2D Communication. *Jiang, L.*, +, *TVT Jan. 2020 828-841*
- Lightweight Mutual Authentication Protocol for V2G Using Physical Unclonable Function. *Bansal, G.*, +, *TVT July 2020 7234-7246*
- Link-Signature-Based Discriminatory Channel Estimation (LS-DCE) for Physical Layer Security in Stationary and Mobile OFDM Transceivers. *Albehadili, A.*, +, *TVT Aug. 2020 8119-8131*
- Machine Learning and Reputation Based Misbehavior Detection in Vehicular Communication Networks. *Gyawali, S.*, +, *TVT Aug. 2020 8871-8885*
- MAAuth-CAN: Masquerade-Attack-Proof Authentication for In-Vehicle Networks. *Jo, H.J.*, +, *TVT Feb. 2020 2204-2218*
- Multi-Beam Index Modulation With Cooperative Legitimate Users Schemes Based on Frequency Diverse Array. *Qiu, B.*, +, *TVT Oct. 2020 11028-11041*
- Near-Perfect Code Scrambling With Limited Key Information for Wiretap Channels. *Park, S.*, +, *TVT Nov. 2020 13410-13423*
- Network Coding Assisted Secure Transmission in Full-Duplex Relay Networks. *He, H.*, +, *TVT Aug. 2020 9196-9200*
- Novel Outage-Aware NOMA Protocol for Secrecy Fairness Maximization Among Untrusted Users. *Thapar, S.*, +, *TVT Nov. 2020 13259-13272*
- On the Physical Layer Security of Millimeter Wave NOMA Networks. *Huang, S.*, +, *TVT Oct. 2020 11697-11711*
- On the Physical Layer Security of Underlay Relay-Aided Device-to-Device Communications. *Khoshafa, M.H.*, +, *TVT July 2020 7609-7621*
- Optimal Detection of UAV's Transmission With Beam Sweeping in Covert Wireless Networks. *Hu, J.*, +, *TVT Jan. 2020 1080-1085*
- Optimal Relay Selection for Secure NOMA Systems Under Untrusted Users. *Cao, K.*, +, *TVT Feb. 2020 1942-1955*
- Physical Layer Security Designs for 5G NOMA Systems With a Stronger Near-End Internal Eavesdropper. *Zhang, C.*, +, *TVT Nov. 2020 13005-13017*
- Physical Layer Security for Multiuser Satellite Communication Systems With Threshold-Based Scheduling Scheme. *Guo, K.*, +, *TVT May 2020 5129-5141*
- Physical Layer Security of QSTBC With Power Scaling in MIMO Wiretap Channels. *Chae, S.H.*, +, *TVT May 2020 5647-5651*
- PLS-Based Secrecy Transmission for VANETs. *Song, H.*, +, *TVT July 2020 7596-7608*
- Power Allocation for Intelligent Interference Exploitation Aided Physical-Layer Security in OFDM-Based Heterogeneous Cellular Networks. *Jiang, Y.*, +, *TVT March 2020 3021-3033*
- Power Minimization for Secure Multi-User MISO NOMA System With Energy Harvesting. *Zhou, J.*, +, *TVT Sept. 2020 10046-10058*
- Power Optimization for Enhancing Secrecy of Cooperative User Relaying NOMA Networks. *Cao, Y.*, +, *TVT July 2020 8008-8012*
- Power Splitting-Based SWIPT Systems With Full-Duplex Jamming. *Ma, R.*, +, *TVT Sept. 2020 9822-9836*
- Proactive Eavesdropping of Suspicious Non-Orthogonal Multiple Access Networks. *Xu, D.*, *TVT Nov. 2020 13958-13963*
- Research on Cognitive Power Allocation for Secure Millimeter-Wave NOMA Networks. *Song, Y.*, +, *TVT Nov. 2020 13424-13436*
- Robust Secure Beamforming for SWIPT-Aided Relay Systems With Full-Duplex Receiver and Imperfect CSI. *Li, X.*, +, *TVT Feb. 2020 1867-1878*
- Robust Secure Transmission and Power Transfer in Heterogeneous Networks With Confidential Information. *Liu, Z.*, +, *TVT Oct. 2020 11192-11205*
- Secrecy Analysis of Ambient Backscatter NOMA Systems Under I/Q Imbalance. *Li, X.*, +, *TVT Oct. 2020 12286-12290*
- Secrecy Analysis Over Cascaded κ - μ Fading Channels With Multiple Eavesdroppers. *Tashman, D.H.*, +, *TVT Aug. 2020 8433-8442*
- Secrecy Outage Analysis of Transmit Antenna Selection Assisted With Wireless Power Beacon. *Yan, P.*, +, *TVT July 2020 7473-7482*
- Secrecy Performance Analysis of RIS-Aided Wireless Communication Systems. *Yang, L.*, +, *TVT Oct. 2020 12296-12300*
- Secrecy Performance Analysis of UAV Assisted Relay Transmission for Cognitive Network With Energy Harvesting. *Ji, B.*, +, *TVT July 2020 7404-7415*
- Secrecy Performance of NOMA Systems With Energy Harvesting and Full-Duplex Relaying. *Guo, C.*, +, *TVT Oct. 2020 12301-12305*
- Secrecy Performance of User and Antenna Selection With Channel Estimation Inaccuracy. *Lee, D.*, *TVT April 2020 4533-4536*

- Secrecy Rate Maximization via Radio Resource Allocation in Cellular Underlying V2V Communications. *Liu, Y.*, +, *TVT July 2020 7281-7294*
- Secrecy Under Rayleigh-Dual Correlated Rician Fading Employing Opportunistic Relays and an Adaptive Encoder. *Le, K.N.*, +, *TVT May 2020 5179-5192*
- Secure Beamforming and Jamming for Multibeam Satellite Systems With Correlated Wiretap Channels. *Cui, G.*, +, *TVT Oct. 2020 12348-12353*
- Secure Communication With Outdated Channel State Information via Untrusted Relay Capable of Energy Harvesting. *Lim, J.*, +, *TVT Oct. 2020 11323-11337*
- Secure Degrees of Freedom of Rank-Deficient BCCM and Rank-Deficient ICCM. *Wang, Q.*, +, *TVT April 2020 4033-4041*
- Secure Index-Modulation Based Hybrid Free Space Optical and Millimeter Wave Links. *Althunibat, S.*, +, *TVT June 2020 6325-6332*
- Secure MIMO-SVD Communications Against Eavesdroppers With Any Number of Antennas. *Tang, J.*, +, *TVT Oct. 2020 11077-11089*
- Secure Outage Analysis for Cooperative NOMA Systems With Antenna Selection. *Pei, X.*, +, *TVT April 2020 4503-4507*
- Secure Single-Input-Multiple-Output Media-Based Modulation. *Mao, T.*, +, *TVT April 2020 4105-4117*
- Secure Spatial Modulation via Radio Frequency Mirrors. *Luo, J.*, +, *TVT Aug. 2020 9168-9173*
- Secure SVM Training Over Vertically-Partitioned Datasets Using Consortium Blockchain for Vehicular Social Networks. *Shen, M.*, +, *TVT June 2020 5773-5783*
- Secure Wireless Powered Cooperative Communication Networks With Finite Energy Storage. *Wang, Y.*, +, *TVT Jan. 2020 1008-1022*
- Securing OFDM-Based NOMA SWIPT Systems. *Badawy, A.*, +, *TVT Oct. 2020 12343-12347*
- Securing SOME/IP for In-Vehicle Service Protection. *Iorio, M.*, +, *TVT Nov. 2020 13450-13466*
- Security Enhancement for NOMA-UAV Networks. *Zhao, N.*, +, *TVT April 2020 3994-4005*
- Security Enhancement Using a Novel Two-Slot Cooperative NOMA Scheme. *Chen, B.*, +, *TVT March 2020 3470-3475*
- SEDAN: Security-Aware Design of Time-Critical Automotive Networks. *Kukkala, V.K.*, +, *TVT Aug. 2020 9017-9030*
- Smart Proactive Caching: Empower the Video Delivery for Autonomous Vehicles in ICN-Based Networks. *Zhang, Z.*, +, *TVT July 2020 7955-7965*
- T-Safe: Trustworthy Service Provisioning for IoT-Based Intelligent Transport Systems. *Dass, P.*, +, *TVT Sept. 2020 9509-9517*
- Transparent AAA Security Design for Low-Latency MEC-Integrated Cellular Networks. *Li, C.*, +, *TVT March 2020 3231-3243*
- Trust Based Secure Content Delivery in Vehicular Networks: A Bargaining Game Theoretical Approach. *Li, J.*, +, *TVT March 2020 3267-3279*
- Trust Management Scheme Based on Hybrid Cryptography for Secure Communications in VANETs. *Tangade, S.*, +, *TVT May 2020 5232-5243*
- UAV-Enabled Secure Communications by Multi-Agent Deep Reinforcement Learning. *Zhang, Y.*, +, *TVT Oct. 2020 11599-11611*

Telecommunication services

- An Applicable Repeated Transmission for Low Latency and Reliable Services. *Kim, E.*, +, *TVT Aug. 2020 8468-8482*
- Performance Optimization for Blockchain-Enabled Distributed Network Function Virtualization Management and Orchestration. *Fu, X.*, +, *TVT June 2020 6670-6679*

Telecommunication signaling

- A Comprehensive Access Point Placement for IoT Data Transmission Through Train-Wayside Communications in Multi-Environment Based Rail Networks. *Saki, M.*, +, *TVT Oct. 2020 11937-11949*
- Cyber-Physical Scheduling for Predictable Reliability of Inter-Vehicle Communications. *Li, C.*, +, *TVT April 2020 4192-4206*
- Time-Domain vs. Frequency-Domain Equalization for FTN Signaling. *Li, S.*, +, *TVT Aug. 2020 9174-9179*
- User Assisted Dynamic RAN Notification Area Configuration Scheme Based on Delay Sensitivity for 5G Inactive UEs. *Huang, X.*, +, *TVT March 2020 2671-2683*

Telecommunication standards

- Practical Machine Learning-Based Rate Adaptation Solution for Wi-Fi NICs: IEEE 802.11ac as a Case Study. *Li, C.*, +, *TVT Sept. 2020 10264-10277*

Telecommunication switching

- Energy-Efficient Channel Switching in Cognitive Radio Networks: A Reinforcement Learning Approach. *Ding, H.*, +, *TVT Oct. 2020 12359-12362*
- Hybrid Combining Based on Constant Phase Shifters and Active/Inactive Switches. *Bahingayi, E.E.*, +, *TVT April 2020 4058-4068*
- Switched Max-Link Relay Selection Based on Maximum Minimum Distance for Cooperative MIMO Systems. *Duarte, F.L.*, +, *TVT Feb. 2020 1928-1941*

Telecommunication terminals

- Simulation of Multiple-Antenna Terminal Performance in Massive MIMO Systems Based on Indoor Measurements. *Bengtsson, E.L.*, +, *TVT Jan. 2020 418-427*

Telecommunication traffic

- 3D Drone Base Station Placement and Resource Allocation With FSO-Based Backhaul in Hotspots. *Zhang, S.*, +, *TVT March 2020 3322-3329*
- A Critical MTC Resource Allocation Approach for LTE Networks With Finite Blocklength Codes. *Abdelsadek, M.Y.*, +, *TVT May 2020 5598-5609*
- A Distributed Mobile Fog Computing Scheme for Mobile Delay-Sensitive Applications in SDN-Enabled Vehicular Networks. *Lin, C.*, +, *TVT May 2020 5481-5493*
- A Two-Timescale Approach for Network Slicing in C-RAN. *Zhang, H.*, +, *TVT June 2020 6656-6669*
- Accessibility Analysis and Modeling for IoV in an Urban Scene. *Cheng, J.*, +, *TVT April 2020 4246-4256*
- Analysis and Optimization of Cache-Enabled Fog Radio Access Networks: Successful Transmission Probability, Fractional Offloaded Traffic and Delay. *Jiang, Y.*, +, *TVT May 2020 5219-5231*
- Caching Placement and Resource Allocation for Cache-Enabling UAV NOMA Networks. *Zhang, T.*, +, *TVT Nov. 2020 12897-12911*
- Capacity-Aware Edge Caching in Fog Computing Networks. *Li, Q.*, +, *TVT Aug. 2020 9244-9248*
- Communication and Computing Resource Optimization for Connected Autonomous Driving. *Xiong, K.*, +, *TVT Nov. 2020 12652-12663*
- Decentralized Coded Caching Scheme With Heterogeneous File Sizes. *Zheng, L.*, +, *TVT Jan. 2020 818-827*
- Decentralized Learning Based Indoor Interference Mitigation for 5G-and-Beyond Systems. *Wang, Y.*, +, *TVT Oct. 2020 12124-12135*
- Deep Learning Empowered Traffic Offloading in Intelligent Software Defined Cellular V2X Networks. *Fan, B.*, +, *TVT Nov. 2020 13328-13340*
- Delay-Aware Resource Management for Multi-Service Coexisting LTE-D2D Networks With Wireless Network Virtualization. *Han, Y.*, +, *TVT July 2020 7339-7353*
- Design and Analysis of Multi-User Association and Beam Training Schemes for Millimeter Wave Based WLANs. *Shen, L.*, +, *TVT July 2020 7458-7472*
- Distributionally Robust Two-Stage Energy Management for Hybrid Energy Powered Cellular Networks. *Du, P.*, +, *TVT Oct. 2020 12162-12174*
- Dynamic Interior Point Method for Vehicular Traffic Optimization. *Guo, C.*, +, *TVT May 2020 4855-4868*
- Dynamic Network Slicing and Resource Allocation in Mobile Edge Computing Systems. *Feng, J.*, +, *TVT July 2020 7863-7878*
- Empirical Models for the Realistic Generation of Cooperative Awareness Messages in Vehicular Networks. *Molina-Masegosa, R.*, +, *TVT May 2020 5713-5717*
- Enabling Edge Caching Through Full-Duplex Non-Orthogonal Multiple Access. *Ma, R.*, +, *TVT Oct. 2020 12338-12342*
- End-to-End Slicing With Optimized Communication and Computing Resource Allocation in Multi-Tenant 5G Systems. *Chien, H.*, +, *TVT Feb. 2020 2079-2091*
- FIT: On-the-Fly, In-Situ Training for SNR-Based Rate Selection. *Liu, H.*, +, *TVT Oct. 2020 11295-11307*
- Green Traffic Off-Loading Over Uncertain Shared Spectrums With End-to-End QoS Guarantee. *Li, X.*, +, *TVT Sept. 2020 9921-9937*

- Handling Spontaneous Traffic Variations in 5G+ via Offloading Onto mmWave-Capable UAV "Bridges". *Tafintsev, N.*, +, *TVT Sept. 2020 10070-10084*
- Hierarchical Resource Allocation in Multi-Service Wireless Networks With Wireless Network Virtualization. *Han, Y.*, +, *TVT Oct. 2020 11811-11827*
- Impact of Prediction Errors on High Throughput Predictive Resource Allocation. *Guo, J.*, +, *TVT Sept. 2020 9984-9999*
- Infrastructure-Less Vehicle Traffic Density Estimation via Distributed Packet Probing in V2V Network. *Shin, C.S.*, +, *TVT Oct. 2020 10403-10418*
- Integrated Resource Management for Terrestrial-Satellite Systems. *Fu, S.*, +, *TVT March 2020 3256-3266*
- Intelligent User-Centric Networks: Learning-Based Downlink CoMP Region Breathing. *Wang, L.*, +, *TVT May 2020 5583-5597*
- Joint Long-Term Admission Control and Beamforming in Green Downlink Networks: Offline and Online Approaches. *Lin, J.*, +, *TVT Aug. 2020 8710-8724*
- Jointly Optimized 3D Drone Mounted Base Station Deployment and User Association in Drone Assisted Mobile Access Networks. *Sun, X.*, +, *TVT Feb. 2020 2195-2203*
- Latency and Reliability of mmWave Multi-Hop V2V Communications Under Relay Selections. *Li, Z.*, +, *TVT Sept. 2020 9807-9821*
- Learning to Bond in Dense WLANs With Random Traffic Demands. *Luo, Y.*, +, *TVT Oct. 2020 11868-11879*
- Let's Share the Resource When We're Co-Located: Colocation Edge Computing. *Nguyen, M.N.H.*, +, *TVT May 2020 5618-5633*
- Leveraging Dynamic Stackelberg Pricing Game for Multi-Mode Spectrum Sharing in 5G-VANET. *Qian, B.*, +, *TVT June 2020 6374-6387*
- Low-Delay Path Selection for Cluster-Based Buffer-Aided Vehicular Communications. *Alam, M.Z.*, +, *TVT Sept. 2020 9356-9363*
- Mobility-Aware Femtocaching Algorithm in D2D Networks Based on Handover. *HajiAkhondi-Meybodi, Z.*, +, *TVT Sept. 2020 10188-10201*
- Modeling and Analysis of the Downlink Local Delay in MEC-Based VANETs. *Wu, Y.*, +, *TVT June 2020 6619-6630*
- Multi-Item Auction Based Mechanism for Mobile Data Offloading: A Robust Optimization Approach. *Liu, D.*, +, *TVT April 2020 4155-4168*
- Multi-Task Learning at the Mobile Edge: An Effective Way to Combine Traffic Classification and Prediction. *Rago, A.*, +, *TVT Sept. 2020 10362-10374*
- Network Function Virtualization Resource Allocation Based on Joint Benders Decomposition and ADMM. *Yu, Y.*, +, *TVT Feb. 2020 1706-1718*
- Network Optimisation in 5G Networks: A Radio Environment Map Approach. *Suarez Rodriguez, A.C.*, +, *TVT Oct. 2020 12043-12057*
- On Throughput Optimization and Bound Analysis in Cache-Enabled Fiber-Wireless Networks. *Gu, Z.*, +, *TVT Aug. 2020 9068-9082*
- On Wireless Blind Spots in the C-V2X Sidelink. *Bazzi, A.*, +, *TVT Aug. 2020 9239-9243*
- Optimal Resource Allocation in Cellular Networks With H2H/M2M Coexistence. *Alhussien, N.*, +, *TVT Nov. 2020 12951-12962*
- Optimization of Data Exchange in 5G Vehicle-to-Infrastructure Edge Networks. *Huang, T.*, +, *TVT Sept. 2020 9376-9389*
- Performance Analysis of MISINR User Association in 3-D Heterogeneous Cellular Networks. *Ding, H.*, +, *TVT April 2020 4119-4129*
- Pricing Based Distributed Traffic Allocation for 5G Heterogeneous Networks. *Passas, V.*, +, *TVT Oct. 2020 12111-12123*
- QoE-Driven Intelligent Handover for User-Centric Mobile Satellite Networks. *Xu, H.*, +, *TVT Sept. 2020 10127-10139*
- Reinforcement Learning for Efficient and Fair Coexistence Between LTE-LAA and Wi-Fi. *Han, M.*, +, *TVT Aug. 2020 8764-8776*
- Securing SOME/IP for In-Vehicle Service Protection. *Iorio, M.*, +, *TVT Nov. 2020 13450-13466*
- Smoothing-Aided Support Vector Machine Based Nonstationary Video Traffic Prediction Towards B5G Networks. *Li, Y.*, +, *TVT July 2020 7493-7502*
- Spectral Coexistence of LDACS and DME: Analysis via Hardware Software Co-Design in Presence of Real Channels and RF Impairments. *Agrawal, N.*, +, *TVT Sept. 2020 9837-9848*
- Task Offloading in Vehicular Edge Computing Networks: A Load-Balancing Solution. *Zhang, J.*, +, *TVT Feb. 2020 2092-2104*
- The COST IRACON Geometry-Based Stochastic Channel Model for Vehicle-to-Vehicle Communication in Intersections. *Gustafson, C.*, +, *TVT March 2020 2365-2375*
- TRADING: Traffic Aware Data Offloading for Big Data Enabled Intelligent Transportation System. *J. Darwish, T.S.*, +, *TVT July 2020 6869-6879*
- Traffic Differentiated Clustering Routing in DSRC and C-V2X Hybrid Vehicular Networks. *Qi, W.*, +, *TVT July 2020 7723-7734*
- Transparent AAA Security Design for Low-Latency MEC-Integrated Cellular Networks. *Li, C.*, +, *TVT March 2020 3231-3243*
- Uplink Performance Improvement for Downlink-Uplink Decoupled HetNets With Non-Uniform User Distribution. *Sun, K.*, +, *TVT July 2020 7518-7530*
- Video Caching and Transcoding in Wireless Cellular Networks With Mobile Edge Computing: A Robust Approach. *Wang, C.*, +, *TVT Aug. 2020 9234-9238*
- WiFi-Assisted Control Traffic Offloading in Vehicular Environments. *Qin, H.*, +, *TVT April 2020 4542-4547*
- Telecommunications**
- Corrections to "Energy-Efficient and Secure Air-to-Ground Communication With Jittering UAV". *Wu, H.*, +, *TVT Sept. 2020 10397*
- Telemedicine**
- An Adaptive Computation Offloading Mechanism for Mobile Health Applications. *Dai, S.*, +, *TVT Jan. 2020 998-1007*
- Temperature**
- Research on Optimization of Charging Strategy Control for Aged Batteries. *Sun, J.*, +, *TVT Dec. 2020 14141-14149*
- Temperature control**
- Computationally Efficient Stochastic Model Predictive Controller for Battery Thermal Management of Electric Vehicle. *Park, S.*, +, *TVT Aug. 2020 8407-8419*
- Temperature distribution**
- An MPC-Based Control Strategy for Electric Vehicle Battery Cooling Considering Energy Saving and Battery Lifespan. *Xie, Y.*, +, *TVT Dec. 2020 14657-14673*
- Temperature measurement**
- Research on Optimization of Charging Strategy Control for Aged Batteries. *Sun, J.*, +, *TVT Dec. 2020 14141-14149*
- Sensors**
- Content-Aware Traffic Data Completion in ITS Based on Generative Adversarial Nets. *Han, L.*, +, *TVT Oct. 2020 11950-11962*
- Joint 2D-DOD, 2D-DOA, and Polarization Angles Estimation for Bistatic EMVS-MIMO Radar via PARAFAC Analysis. *Wen, F.*, +, *TVT Feb. 2020 1626-1638*
- Tensor Communication Waveform Design With Semi-Blind Receiver in the MIMO System. *Dou, Z.*, +, *TVT Feb. 2020 1727-1740*
- Testing**
- Automatic Virtual Test Technology for Intelligent Driving Systems Considering Both Coverage and Efficiency. *Gao, F.*, +, *TVT Dec. 2020 14365-14376*
- Differential Power Processing Converter Enhancing Energy Yield of Curved Solar Roofs of Plug-In Hybrid Electric Vehicles. *Uno, M.*, +, *TVT Dec. 2020 14689-14700*
- Thermal expansion**
- E-Clutch Torque Control Including Compensation of Thermal Expansion Effects. *Skugor, B.*, +, *TVT Jan. 2020 246-257*
- Thermal management (packaging)**
- A Switched Reluctance Motor Torque Ripple Reduction Strategy With Deadbeat Current Control and Active Thermal Management. *Zhang, X.*, +, *TVT Jan. 2020 317-327*
- Computationally Efficient Stochastic Model Predictive Controller for Battery Thermal Management of Electric Vehicle. *Park, S.*, +, *TVT Aug. 2020 8407-8419*
- Fuel Minimization of the Electric Engine Cooling System With Active Grille Shutter by Iterative Quadratic Programming. *Feng, L.*, +, *TVT March 2020 2621-2635*

Joint Propulsion and Cooling Energy Management of Hybrid Electric Vehicles by Optimal Control. *Chen, B.*, +, *TVT May 2020 4894-4906*

Review of Cabin Thermal Management for Electrified Passenger Vehicles. *Lajunen, A.*, +, *TVT June 2020 6025-6040*

Thermal stresses

Mechanical Design and Analysis of a High-Torque Modular Hybrid Excitation Synchronous Machine for Electric Vehicle Propulsion Applications. *Wang, C.*, +, *TVT Sept. 2020 9624-9633*

Thermostats

Joint Propulsion and Cooling Energy Management of Hybrid Electric Vehicles by Optimal Control. *Chen, B.*, +, *TVT May 2020 4894-4906*

Three-dimensional displays

Anti-Jamming 3D Trajectory Design for UAV-Enabled Wireless Sensor Networks Under Probabilistic LoS Channel. *Duo, B.*, +, *TVT Dec. 2020 16288-16293*

Automatic Virtual Test Technology for Intelligent Driving Systems Considering Both Coverage and Efficiency. *Gao, F.*, +, *TVT Dec. 2020 14365-14376*

Coarse-to-Fine Segmentation on LiDAR Point Clouds in Spherical Coordinate and Beyond. *Li, Y.*, +, *TVT Dec. 2020 14588-14601*

Highly Accurate Scale Estimation from Multiple Keyframes Using RANSAC Plane Fitting With a Novel Scoring Method. *Fan, M.*, +, *TVT Dec. 2020 15335-15345*

Hybrid Semi-Dense 3D Semantic-Topological Mapping From Stereo Visual-Inertial Odometry SLAM With Loop Closure Detection. *Wen, S.*, +, *TVT Dec. 2020 16057-16066*

Proposed ITU-R Compatible Inter-Site and Inter-Sector Interference Models for LTE-Advanced Networks. *Ameen, A.S.*, +, *TVT Dec. 2020 14304-14315*

Three-term control

A Reinforcement Learning-Based Adaptive Path Tracking Approach for Autonomous Driving. *Shan, Y.*, +, *TVT Oct. 2020 10581-10595*

Adaptive Fault-Tolerant Control of Platoons With Guaranteed Traffic Flow Stability. *Guo, G.*, +, *TVT July 2020 6916-6927*

Robust Observer Based Intermittent Forces Estimation for Driver Intervention Identification. *Huang, C.*, +, *TVT April 2020 3628-3640*

Speed Profile Tracking by an Adaptive Controller for Subway Train Based on Neural Network and PID Algorithm. *Pu, Q.*, +, *TVT Oct. 2020 10656-10667*

Throughput

A Joint Scheduling and Power Control Scheme for Hybrid I2V/V2V Networks. *Nguyen, B.L.*, +, *TVT Dec. 2020 15668-15681*

A Novel Drone's Height Control Algorithm for Throughput Optimization in Disaster Resilient Network. *Ishigami, M.*, +, *TVT Dec. 2020 16188-16190*

Energy-Efficient Massive MIMO With Decentralized Precoder Design. *Zhang, S.*, +, *TVT Dec. 2020 15370-15384*

GCH-MV: Game-Enhanced Compensation Handover Scheme for Multipath TCP in 6G Software Defined Vehicular Networks. *Gao, K.*, +, *TVT Dec. 2020 16142-16154*

Heterogeneous User-Centric Cluster Migration Improves the Connectivity-Handover Trade-Off in Vehicular Networks. *Lin, Y.*, +, *TVT Dec. 2020 16027-16043*

High Throughput Vehicle Coordination Strategies at Road Intersections. *Liu, C.*, +, *TVT Dec. 2020 14341-14354*

Influence and Mitigation of Pedestrian Blockage at mmWave Cellular Networks. *Kumar S, Y.*, +, *TVT Dec. 2020 15442-15457*

NOMA Versus OMA in Finite Blocklength Regime: Link-Layer Rate Performance. *Amjad, M.*, +, *TVT Dec. 2020 16253-16257*

On the Performance of MIMO Full-Duplex Relaying System With SWIPT Under Outdated CSI. *Hoang, T.M.*, +, *TVT Dec. 2020 15580-15593*

Optimal Pilot Power Based Channel Estimation Improves the Throughput of Intelligent Reflective Surface Assisted Systems. *An, J.*, +, *TVT Dec. 2020 16202-16206*

Optimal Resource Allocation for RF-Powered Underlay Cognitive Radio Networks With Ambient Backscatter Communication. *Zhuang, Y.*, +, *TVT Dec. 2020 15216-15228*

Physical Layer Security Enhancement Using Artificial Noise in Cellular Vehicle-to-Everything (C-V2X) Networks. *Wang, C.*, +, *TVT Dec. 2020 15253-15268*

Throughput of CDM-Based Random Access With SINR Capture. *Choi, H.*, +, *TVT Dec. 2020 15046-15056*

Time division multiple access

A Distributed Link Scheduler for In-Band Full Duplex Wireless Networks. *Ren, Y.*, +, *TVT May 2020 5255-5267*

An Optimal Policy for Hybrid Channel Access in Cognitive Radio Networks With Energy Harvesting. *Tayel, A.F.*, +, *TVT Oct. 2020 11253-11265*

Cellular Clustering-Based Interference-Aware Data Transmission Protocol for Underwater Acoustic Sensor Networks. *Zhang, J.*, +, *TVT March 2020 3217-3230*

Delay Violation Probability and Effective Rate of Downlink NOMA Over α - μ Fading Channels. *Kumar, V.*, +, *TVT Oct. 2020 11241-11252*

Fairness-Aware Intragroup Cooperative Transmission in Wireless Powered Communication Networks. *Mao, Z.*, +, *TVT June 2020 6463-6472*

Implementing Distributed TDMA Using Relative Distance in Vehicular Networks. *Deng, Y.*, +, *TVT July 2020 7295-7305*

Modeling Impact of Concurrent Transmissions in Cluster Based Mobile Caching Networks. *Ahmed, A.*, +, *TVT April 2020 4601-4605*

NOMA Versus OMA in Finite Blocklength Regime: Link-Layer Rate Performance. *Amjad, M.*, +, *TVT Dec. 2020 16253-16257*

Time division multiplexing

Downlink Sum-Rates of SC-FDP and OFDM Massive MIMO Systems in Doubly Dispersive Channels. *Mokhtari, Z.*, +, *TVT Aug. 2020 8065-8079*

Identical Code Cyclic Shift Multiple Access—A Bridge Between CDMA and NOMA. *Liu, X.*, +, *TVT March 2020 2878-2890*

Optimization of Data Exchange in 5G Vehicle-to-Infrastructure Edge Networks. *Huang, T.*, +, *TVT Sept. 2020 9376-9389*

Pilot Decontamination Based on Superimposed Pilots Assisted by Time-Multiplexed Pilots in Massive MIMO Networks. *Lago, L.A.*, +, *TVT Jan. 2020 405-417*

Secure Single-Input-Multiple-Output Media-Based Modulation. *Mao, T.*, +, *TVT April 2020 4105-4117*

Time series

Content-Aware Traffic Data Completion in ITS Based on Generative Adversarial Nets. *Han, L.*, +, *TVT Oct. 2020 11950-11962*

Early Recognition of Driving Intention for Lane Change Based on Recurrent Hidden Semi-Markov Model. *Liu, Q.*, +, *TVT Oct. 2020 10545-10557*

Freeway Travel Time Prediction Using Deep Hybrid Model – Taking Sun Yat-Sen Freeway as an Example. *Ting, P.*, +, *TVT Aug. 2020 8257-8266*

Personalized Vehicle Trajectory Prediction Based on Joint Time-Series Modeling for Connected Vehicles. *Xing, Y.*, +, *TVT Feb. 2020 1341-1352*

Robust Lane Detection From Continuous Driving Scenes Using Deep Neural Networks. *Zou, Q.*, +, *TVT Jan. 2020 41-54*

Time-domain analysis

Energy-Optimal Adaptive Cruise Control for Electric Vehicles Based on Linear and Nonlinear Model Predictive Control. *Jia, Y.*, +, *TVT Dec. 2020 14173-14187*

Low Complexity Iterative Rake Decision Feedback Equalizer for Zero-Padded OTFS Systems. *Thaj, T.*, +, *TVT Dec. 2020 15606-15622*

LTE Signal Detector for LSA Spectrum Sharing Model in Portugal. *Milheiro, J.*, +, *TVT Dec. 2020 15127-15136*

Reconfigurable Intelligent Surface (RIS)-Enhanced Two-Way OFDM Communications. *Pradhan, C.*, +, *TVT Dec. 2020 16270-16275*

Reduced-Order Modeling and Design of Single-Stage LCL Compensated IPT System for Low Voltage Vehicle Charging Applications. *Feng, H.*, +, *TVT April 2020 3728-3739*

SINR Analysis of Different OFDM-Inspired Waveforms Over Doubly Dispersive Channels. *Wang, X.*, +, *TVT Sept. 2020 9459-9468*

Time-Domain vs. Frequency-Domain Equalization for FTN Signaling. *Li, S.*, +, *TVT Aug. 2020 9174-9179*

Time-frequency analysis

Channel Estimation and Hybrid Precoding for Distributed Phased Arrays Based MIMO Wireless Communications. *Zhang, Y.*, +, *TVT Nov. 2020 12921-12937*

Compressive Sensing Based Massive Access for IoT Relying on Media Modulation Aided Machine Type Communications. *Qiao, L.*, +, *TVT Sept. 2020 10391-10396*

Efficient Hybrid Beamforming With Anti-Blockage Design for High-Speed Railway Communications. *Gao, M.*, +, *TVT Sept. 2020 9643-9655*

Fast Beam Training Architecture for Hybrid mmWave Transceivers. *Yang, J.*, +, *TVT March 2020 2700-2715*

Joint Carrier-Code Index Modulation Aided M-Ary Differential Chaos Shift Keying System. *Cai, X.*, +, *TVT Dec. 2020 15486-15499*

Low Complexity Iterative Rake Decision Feedback Equalizer for Zero-Padded OTFS Systems. *Thaj, T.*, +, *TVT Dec. 2020 15606-15622*

Spatial Resource Management in LEO Satellite. *Ivanov, A.*, +, *TVT Dec. 2020 15623-15632*

Time-of-arrival estimation

A Node Location Algorithm Based on Node Movement Prediction in Underwater Acoustic Sensor Networks. *Zhang, W.*, +, *TVT March 2020 3166-3178*

An Acoustic-Based Surveillance System for Amateur Drones Detection and Localization. *Shi, Z.*, +, *TVT March 2020 2731-2739*

Device-Free Multi-Person Respiration Monitoring Using WiFi. *Gao, Q.*, +, *TVT Nov. 2020 14083-14087*

Iterative NDA Positioning Using Angle-of-Arrival Measurements for IoT Sensor Networks. *Monfared, S.*, +, *TVT Oct. 2020 11369-11382*

Localization in 3GPP LTE Based on One RTT and One TDOA Observation. *Radnosrati, K.*, +, *TVT March 2020 3399-3411*

Nearly Optimal Sensor Selection for TDOA-Based Source Localization in Wireless Sensor Networks. *Dai, Z.*, +, *TVT Oct. 2020 12031-12042*

Push the Limit of Multipath Profiling Using Commodity WiFi Devices With Limited Bandwidth. *Xue, H.*, +, *TVT April 2020 4142-4154*

UWB System for Indoor Positioning and Tracking With Arbitrary Target Orientation, Optimal Anchor Location, and Adaptive NLOS Mitigation. *Chen, Y.*, +, *TVT Sept. 2020 9304-9314*

Time-varying channels

Adaptive Turbo Equalization for Differential OFDM Systems in Underwater Acoustic Communications. *Zhao, S.*, +, *TVT Nov. 2020 13937-13941*

Deep Reinforcement Learning-Based Resource Allocation and Power Control in Small Cells With Limited Information Exchange. *Jang, J.*, +, *TVT Nov. 2020 13768-13783*

Delay-Aware Resource Management for Multi-Service Coexisting LTE-D2D Networks With Wireless Network Virtualization. *Han, Y.*, +, *TVT July 2020 7339-7353*

Distributed Utility Optimization in Vehicular Communication Systems. *Diaz-Ibarra, M.A.*, +, *TVT Oct. 2020 11992-12003*

Hierarchical Resource Allocation in Multi-Service Wireless Networks With Wireless Network Virtualization. *Han, Y.*, +, *TVT Oct. 2020 11811-11827*

Impact of UAV Rotation on MIMO Channel Characterization for Air-to-Ground Communication Systems. *Ma, Z.*, +, *TVT Nov. 2020 12418-12431*

Kalman Filter Based Recursive Estimation of Slowly Fading Sparse Channel in Impulsive Noise Environment for OFDM Systems. *Lv, X.*, +, *TVT March 2020 2828-2835*

Learning the Time-Varying Massive MIMO Channels: Robust Estimation and Data-Aided Prediction. *Xia, X.*, +, *TVT Aug. 2020 8080-8096*

Learning-Based Multi-Channel Access in 5G and Beyond Networks With Fast Time-Varying Channels. *Wang, S.*, +, *TVT May 2020 5203-5218*

Low-Complexity Equalization of MIMO-OSDM. *Han, J.*, +, *TVT Feb. 2020 2301-2305*

SINR Analysis of Different OFDM-Inspired Waveforms Over Doubly Dispersive Channels. *Wang, X.*, +, *TVT Sept. 2020 9459-9468*

State-Aware Rate Adaptation for UAVs by Incorporating On-Board Sensors. *He, S.*, +, *TVT Jan. 2020 488-496*

Trajectory-Joint Clustering Algorithm for Time-Varying Channel Modeling. *Huang, C.*, +, *TVT Jan. 2020 1041-1045*

Variable-Block-Length Joint Channel Estimation and Data Detection for Spatial Modulation Over Time-Varying Channels. *Akiba, Y.*, +, *TVT Nov. 2020 13964-13969*

Time-varying filters

Adaptive Washout Filter Based on Fuzzy Logic for a Motion Simulation Platform With Consideration of Joints' Limitations. *Chalak Qazani, M.R.*, +, *TVT Nov. 2020 12547-12558*

Time-varying systems

Path Tracking and Direct Yaw Moment Coordinated Control Based on Robust MPC With the Finite Time Horizon for Autonomous Independent-Drive Vehicles. *Peng, H.*, +, *TVT June 2020 6053-6066*

Robust Time-Varying Formation Control for a Set of Quad-Copters With Switching Interaction Communication Topology. *Liu, H.*, +, *TVT July 2020 6880-6890*

Social-Aware UAV-Assisted Mobile Crowd Sensing in Stochastic and Dynamic Environments for Disaster Relief Networks. *Wang, B.*, +, *TVT Jan. 2020 1070-1074*

Speed Profile Tracking by an Adaptive Controller for Subway Train Based on Neural Network and PID Algorithm. *Pu, Q.*, +, *TVT Oct. 2020 10656-10667*

Timing

Global Synchronous Optimization Including Intake Valves and Exhaust Valves Based on MODM Strategy. *Lu, Y.*, +, *TVT Dec. 2020 14858-14868*

Tires

A Real-Time Nonlinear Model Predictive Controller for Yaw Motion Optimization of Distributed Drive Electric Vehicles. *Guo, N.*, +, *TVT May 2020 4935-4946*

A Robust Traction Control Platform for AWD Vehicles With AWD TMU and eLSD. *Guo, Q.*, *TVT Aug. 2020 8395-8406*

Active Braking Control of Electric Vehicles to Achieve Maximal Friction Based on Fast Extremum-Seeking and Reachability. *Xu, Q.*, +, *TVT Dec. 2020 14869-14883*

Active Front Steering-Based Electronic Stability Control for Steer-by-Wire Vehicles via Terminal Sliding Mode and Extreme Learning Machine. *Zhang, J.*, +, *TVT Dec. 2020 14713-14726*

An Adaptive Backstepping Sliding Mode Controller to Improve Vehicle Maneuverability and Stability via Torque Vectoring Control. *Zhang, L.*, +, *TVT March 2020 2598-2612*

Design and Experimental Evaluations on Energy-Efficient Control for 4WIMD-EVs Considering Tire Slip Energy. *Zhao, B.*, +, *TVT Dec. 2020 14631-14644*

Evaluating Model Predictive Path Following and Yaw Stability Controllers for Over-Actuated Autonomous Electric Vehicles. *Zhang, W.*, +, *TVT Nov. 2020 12807-12821*

On the Design of Yaw Rate Control via Variable Front-to-Total Anti-Roll Moment Distribution. *Ricco, M.*, +, *TVT Feb. 2020 1388-1403*

Optimal Coordinated Control of ARS and DYC for Four-Wheel Steer and In-Wheel Motor Driven Electric Vehicle With Unknown Tire Model. *Wang, Q.*, +, *TVT Oct. 2020 10809-10819*

Path Tracking and Handling Stability Control Strategy With Collision Avoidance for the Autonomous Vehicle Under Extreme Conditions. *Chen, Y.*, +, *TVT Dec. 2020 14602-14617*

Racecar Longitudinal Control in Unknown and Highly-Varying Driving Conditions. *Pedone, S.*, +, *TVT Nov. 2020 12521-12535*

Trailer Mass Estimation Using System Model-Based and Machine Learning Approaches. *Korayem, A.H.*, +, *TVT Nov. 2020 12536-12546*

Vehicle Lateral Stability Control Based on Shiftable Stability Regions and Dynamic Margins. *Huang, Y.*, +, *TVT Dec. 2020 14727-14738*

Tomography

PRSRTI: A Novel Device-Free Localization Method Using Phase Response Shift Based Radio Tomography Imaging. *Ma, Y.*, +, *TVT Nov. 2020 13812-13820*

Topology

A Joint Design of Platoon Communication and Control Based on LTE-V2V. *Hong, C.*, +, *TVT Dec. 2020 15893-15907*

Achieving Robust and Efficient Consensus for Large-Scale Drone Swarm. *Chen, W.*, +, *TVT Dec. 2020 15867-15879*

Differential Power Processing Converter Enhancing Energy Yield of Curved Solar Roofs of Plug-In Hybrid Electric Vehicles. *Uno, M.*, +, *TVT Dec. 2020 14689-14700*

Systematic Methodology for Architecture Generation and Design Optimization of Hybrid Powertrains. *Kabalan, B., +, TVT Dec. 2020 14846-14857*

TOPSIS

Multiobjective Optimization of Lane-Changing Strategy for Intelligent Vehicles in Complex Driving Environments. *Zhou, J., +, TVT Feb. 2020 1291-1308*

Torque

A New Parallel-Hybrid-Excited Permanent-Magnet Machine With Harmonic-Differential Effect for Electric Vehicles. *Cao, L., +, TVT Nov. 2020 12734-12750*

A Novel Dual-Permanent-Magnet-Excited Machine With Non-Uniformly Distributed Permanent-Magnets and Flux Modulation Poles on the Stator. *Xu, L., +, TVT July 2020 7104-7115*

A Robust Traction Control Platform for AWD Vehicles With AWD TMU and eLSD. *Guo, Q., TVT Aug. 2020 8395-8406*

A Timesaving Transient Magneto-Thermal Coupling Model for the Eddy Current Brake. *Tian, J., +, TVT Oct. 2020 10832-10841*

A Variational Approach to MTPA Control of Induction Motor for EVs Range Optimization. *Attaianesi, C., +, TVT July 2020 7014-7025*

Capturing the Impact of Speed, Grade, and Traffic on Class 8 Truck Platooning. *Taylor, A.H., +, TVT Oct. 2020 10506-10518*

Consequent Pole Permanent Magnet Machine With Modular Stator. *Wang, K., +, TVT July 2020 7054-7063*

Design and Experimental Evaluations on Energy-Efficient Control for 4WIMD-EVs Considering Tire Slip Energy. *Zhao, B., +, TVT Dec. 2020 14631-14644*

E-Clutch Torque Control Including Compensation of Thermal Expansion Effects. *Skugor, B., +, TVT Jan. 2020 246-257*

Making the Case for Switched Reluctance Motors for Propulsion Applications. *Bilgin, B., +, TVT July 2020 7172-7186*

Mechanical Design and Analysis of a High-Torque Modular Hybrid Excitation Synchronous Machine for Electric Vehicle Propulsion Applications. *Wang, C., +, TVT Sept. 2020 9624-9633*

Mitigating the Torque Ripple in Electric Traction Using Proportional Integral Resonant Controller. *Chuan, H., +, TVT Oct. 2020 10820-10831*

Modelling and Vibration Analysis of a Parallel Hydraulic Hybrid Vehicle. *Zhou, S., +, TVT Oct. 2020 10710-10723*

Optimal Anti-Lock Braking Control With Nonlinear Variable Voltage Charging Scheme for an Electric Vehicle. *Wang, J., +, TVT July 2020 7211-7222*

Research on Compound Coordinated Control for a Power-Split Hybrid Electric Vehicle Based on Compensation of Non-Ideal Communication Network. *Wang, J., +, TVT Dec. 2020 14818-14833*

Torque Improvement in Dual *M*-Phase Permanent-Magnet Machines by Phase Shift for Electric Ship Applications. *Sun, Y., +, TVT Sept. 2020 9601-9612*

Vibration Optimization of FSCW-IPM Motor Based on Iron-Core Modification for Electric Vehicles. *Wu, Z., +, TVT Dec. 2020 14834-14845*

Torque control

A Robust Traction Control Platform for AWD Vehicles With AWD TMU and eLSD. *Guo, Q., TVT Aug. 2020 8395-8406*

A Switched Reluctance Motor Torque Ripple Reduction Strategy With Deadbeat Current Control and Active Thermal Management. *Zhang, X., +, TVT Jan. 2020 317-327*

A Variational Approach to MTPA Control of Induction Motor for EVs Range Optimization. *Attaianesi, C., +, TVT July 2020 7014-7025*

An Adaptive Backstepping Sliding Mode Controller to Improve Vehicle Maneuverability and Stability via Torque Vectoring Control. *Zhang, L., +, TVT March 2020 2598-2612*

An Energy-Saving Torque Vectoring Control Strategy for Electric Vehicles Considering Handling Stability Under Extreme Conditions. *Hu, X., +, TVT Oct. 2020 10787-10796*

Coordinate Receding Horizon Control for the Power-Shift Process of Multi-speed Electric Vehicles. *Liu, Q., +, TVT Jan. 2020 1055-1059*

E-Clutch Torque Control Including Compensation of Thermal Expansion Effects. *Skugor, B., +, TVT Jan. 2020 246-257*

Estimation of Transmission Input&Output Shaft Torque and Drive Wheel Speed for Compound Power Split Powertrain Based on Unknown Input Observer. *Li, M., +, TVT May 2020 4883-4893*

Evaluating Model Predictive Path Following and Yaw Stability Controllers for Over-Actuated Autonomous Electric Vehicles. *Zhang, W., +, TVT Nov. 2020 12807-12821*

Maximum Torque Per Ampere (MTPA) Control of IPMSM Systems Based on Controller Parameters Self-Modification. *Wang, H., +, TVT March 2020 2613-2620*

Mitigating the Torque Ripple in Electric Traction Using Proportional Integral Resonant Controller. *Chuan, H., +, TVT Oct. 2020 10820-10831*

Optimal Anti-Lock Braking Control With Nonlinear Variable Voltage Charging Scheme for an Electric Vehicle. *Wang, J., +, TVT July 2020 7211-7222*

Optimal Coordinated Control of ARS and DYC for Four-Wheel Steer and In-Wheel Motor Driven Electric Vehicle With Unknown Tire Model. *Wang, Q., +, TVT Oct. 2020 10809-10819*

Robust Observer Based Intermittent Forces Estimation for Driver Intervention Identification. *Huang, C., +, TVT April 2020 3628-3640*

Simplified Model Predictive Thrust Control Based Arbitrary Two Voltage Vectors for Linear Induction Machines in Metro Transportation. *Zou, J., +, TVT July 2020 7092-7103*

Torque Ripple Minimization for Inter-Turn Short-Circuit Fault Based on Open-Winding Five Phase FTFSCW-IPM Motor for Electric Vehicle Application. *Fan, Y., +, TVT Jan. 2020 282-292*

Torque Vectoring Algorithm of Electronic-Four-Wheel Drive Vehicles for Enhancement of Cornering Performance. *Park, G., +, TVT April 2020 3668-3679*

Torque Vectoring and Rear-Wheel-Steering Control for Vehicle's Uncertain Slips on Soft and Slope Terrain Using Sliding Mode Algorithm. *Liang, Z., +, TVT April 2020 3805-3815*

Town and country planning

Vehicle-Assisted Data Delivery in Smart City: A Deep Learning Approach. *Liu, W., +, TVT Nov. 2020 13849-13860*

Tracking

A Novel Terramechanics-Based Path-Tracking Control of Terrain-Based Wheeled Robot Vehicle With Matched-Mismatched Uncertainties. *Taghavifar, H., +, TVT Jan. 2020 67-77*

Traction

A Real-Time Nonlinear Model Predictive Controller for Yaw Motion Optimization of Distributed Drive Electric Vehicles. *Guo, N., +, TVT May 2020 4935-4946*

A Robust Traction Control Platform for AWD Vehicles With AWD TMU and eLSD. *Guo, Q., TVT Aug. 2020 8395-8406*

Dynamical Coupling of a Battery Electro-Thermal Model and the Traction Model of an EV for Driving Range Simulation. *German, R., +, TVT Jan. 2020 328-337*

Edge Computing-Aided Framework of Fault Detection for Traction Control Systems in High-Speed Trains. *Chen, H., +, TVT Feb. 2020 1309-1318*

Hierarchical Optimization of an On-Board Supercapacitor Energy Storage System Considering Train Electric Braking Characteristics and System Loss. *Zhong, Z., +, TVT March 2020 2576-2587*

Mitigating the Torque Ripple in Electric Traction Using Proportional Integral Resonant Controller. *Chuan, H., +, TVT Oct. 2020 10820-10831*

Torque Improvement in Dual *M*-Phase Permanent-Magnet Machines by Phase Shift for Electric Ship Applications. *Sun, Y., +, TVT Sept. 2020 9601-9612*

Traction motor drives

A Reconfigurable On-Board Power Converter for Electric Vehicle With Reduced Switch Count. *Meher, S.R., +, TVT April 2020 3760-3772*

Traction motors

Energy-Optimal Adaptive Cruise Control for Electric Vehicles Based on Linear and Nonlinear Model Predictive Control. *Jia, Y., +, TVT Dec. 2020 14173-14187*

Traction power supplies

A Co-Phase Traction Power Supply System Based on Asymmetric Three-Leg Hybrid Power Quality Conditioner. *Liu, L., +, TVT Dec. 2020 14645-14656*

Power Flow Simulation in the Product Development Process of Modern Vehicular DC Distribution Systems. *Mantilla-Perez, P.*, +, *TVT May 2020 5025-5040*

Traffic control

A Parking Slot Allocation Framework Based on Virtual Voting and Adaptive Pricing Algorithm. *Hassija, V.*, +, *TVT June 2020 5945-5957*

BSFP: Blockchain-Enabled Smart Parking With Fairness, Reliability and Privacy Protection. *Zhang, C.*, +, *TVT June 2020 6578-6591*

Resource Allocation for Edge Computing-Based Vehicle Platoon on Freeway: A Contract-Optimization Approach. *Yang, C.*, +, *TVT Dec. 2020 15988-16000*

Traffic engineering computing

A Nash Q-Learning Based Motion Decision Algorithm With Considering Interaction to Traffic Participants. *Xu, C.*, +, *TVT Nov. 2020 12621-12634*

A Parking Slot Allocation Framework Based on Virtual Voting and Adaptive Pricing Algorithm. *Hassija, V.*, +, *TVT June 2020 5945-5957*

A Secure and Verifiable Data Sharing Scheme Based on Blockchain in Vehicular Social Networks. *Fan, K.*, +, *TVT June 2020 5826-5835*

Abnormal Driving Detection With Normalized Driving Behavior Data: A Deep Learning Approach. *Hu, J.*, +, *TVT July 2020 6943-6951*

An Augmentation Function for Active Pedestrian Safety System Based on Crash Risk Evaluation. *Yue, L.*, +, *TVT Nov. 2020 12459-12469*

An Edge Computing Based Public Vehicle System for Smart Transportation. *Lin, J.*, +, *TVT Nov. 2020 12635-12651*

Anomalous Trajectory Detection and Classification Based on Difference and Intersection Set Distance. *Wang, J.*, +, *TVT March 2020 2487-2500*

BSFP: Blockchain-Enabled Smart Parking With Fairness, Reliability and Privacy Protection. *Zhang, C.*, +, *TVT June 2020 6578-6591*

Congestion Propagation Based Bottleneck Identification in Urban Road Networks. *Li, C.*, +, *TVT May 2020 4827-4841*

Detecting Motion Blurred Vehicle Logo in IoV Using Filter-DeblurGAN and VL-YOLO. *Zhou, L.*, +, *TVT April 2020 3604-3614*

Deterministic Promotion Reinforcement Learning Applied to Longitudinal Velocity Control for Automated Vehicles. *Zhang, Y.*, +, *TVT Jan. 2020 338-348*

Driving Maneuvers Prediction Based Autonomous Driving Control by Deep Monte Carlo Tree Search. *Chen, J.*, +, *TVT July 2020 7146-7158*

Early Recognition of Driving Intention for Lane Change Based on Recurrent Hidden Semi-Markov Model. *Liu, Q.*, +, *TVT Oct. 2020 10545-10557*

Efficient 3D Road Map Data Exchange for Intelligent Vehicles in Vehicular Fog Networks. *Ho, I.W.*, +, *TVT March 2020 3151-3165*

Enhancing the Fuel-Economy of V2I-Assisted Autonomous Driving: A Reinforcement Learning Approach. *Liu, X.*, +, *TVT Aug. 2020 8329-8342*

EnLSTM-WPEO: Short-Term Traffic Flow Prediction by Ensemble LSTM, NNCT Weight Integration, and Population Extremal Optimization. *Zhao, F.*, +, *TVT Jan. 2020 101-113*

Freeway Travel Time Prediction Using Deep Hybrid Model – Taking Sun Yat-Sen Freeway as an Example. *Ting, P.*, +, *TVT Aug. 2020 8257-8266*

Importance Weighted Gaussian Process Regression for Transferable Driver Behaviour Learning in the Lane Change Scenario. *Li, Z.*, +, *TVT Nov. 2020 12497-12509*

Inter-Vehicle Distance Estimation Method Based on Monocular Vision Using 3D Detection. *Zhe, T.*, +, *TVT May 2020 4907-4919*

LDV: A Lightweight DAG-Based Blockchain for Vehicular Social Networks. *Yang, W.*, +, *TVT June 2020 5749-5759*

Learning at the Racetrack: Data-Driven Methods to Improve Racing Performance Over Multiple Laps. *Kapania, N.R.*, +, *TVT Aug. 2020 8232-8242*

Machine Learning Aided Air Traffic Flow Analysis Based on Aviation Big Data. *Gui, G.*, +, *TVT May 2020 4817-4826*

MagLand: Magnetic Landmarks for Road Vehicle Localization. *Cruz, S.B.*, +, *TVT April 2020 3654-3667*

Multi-Agent Deep Reinforcement Learning for Urban Traffic Light Control in Vehicular Networks. *Wu, T.*, +, *TVT Aug. 2020 8243-8256*

Personalized Adaptive Cruise Control Based on Online Driving Style Recognition Technology and Model Predictive Control. *Gao, B.*, +, *TVT Nov. 2020 12482-12496*

Personalized Vehicle Trajectory Prediction Based on Joint Time-Series Modeling for Connected Vehicles. *Xing, Y.*, +, *TVT Feb. 2020 1341-1352*

Poisoning and Evasion Attacks Against Deep Learning Algorithms in Autonomous Vehicles. *Jiang, W.*, +, *TVT April 2020 4439-4449*

Prepositioning of a Land Vehicle Simulation-Based Motion Platform Using Fuzzy Logic and Neural Network. *Qazani, M.R.C.*, +, *TVT Oct. 2020 10446-10456*

Reinforcement Learning for Joint Control of Traffic Signals in a Transportation Network. *Lee, J.*, +, *TVT Feb. 2020 1375-1387*

Robust Lane Detection From Continuous Driving Scenes Using Deep Neural Networks. *Zou, Q.*, +, *TVT Jan. 2020 41-54*

Scalable Parallel Task Scheduling for Autonomous Driving Using Multi-Task Deep Reinforcement Learning. *Qi, Q.*, +, *TVT Nov. 2020 13861-13874*

Secure Real-Time Traffic Data Aggregation With Batch Verification for Vehicular Cloud in VANETs. *Shen, J.*, +, *TVT Jan. 2020 807-817*

Simulation Framework for Misbehavior Detection in Vehicular Networks. *Kamel, J.*, +, *TVT June 2020 6631-6643*

Single-Photon Detection Approach for Autonomous Vehicles Sensing. *Du, P.*, +, *TVT June 2020 6067-6078*

Soft-VAN: Mobility-Aware Task Offloading in Software-Defined Vehicular Network. *Misra, S.*, +, *TVT Feb. 2020 2071-2078*

Stabilization Approaches for Reinforcement Learning-Based End-to-End Autonomous Driving. *Chen, S.*, +, *TVT May 2020 4740-4750*

Towards Airbnb-Like Privacy-Enhanced Private Parking Spot Sharing Based on Blockchain. *Wang, L.*, +, *TVT March 2020 2411-2423*

Using Reinforcement Learning to Minimize the Probability of Delay Occurrence in Transportation. *Cao, Z.*, +, *TVT March 2020 2424-2436*

Vehicle Detection and Classification Using Distributed Fiber Optic Acoustic Sensing. *Liu, H.*, +, *TVT Feb. 2020 1363-1374*

VeRA: A Simplified Security Risk Analysis Method for Autonomous Vehicles. *Cui, J.*, +, *TVT Oct. 2020 10494-10505*

Verifiable and Privacy-Preserving Traffic Flow Statistics for Advanced Traffic Management Systems. *Zhang, C.*, +, *TVT Sept. 2020 10336-10347*

Vision-Based Personal Safety Messages (PSMs) Generation for Connected Vehicles. *Islam, M.*, +, *TVT Sept. 2020 9402-9416*

Zero-to-Stable Driver Identification: A Non-Intrusive and Scalable Driver Identification Scheme. *Rahim, M.A.*, +, *TVT Jan. 2020 163-171*

Traffic information systems

DAVT: An Error-Bounded Vehicle Trajectory Data Representation and Compression Framework. *Chen, C.*, +, *TVT Oct. 2020 10606-10618*

Extracting and Predicting Taxi Hotspots in Spatiotemporal Dimensions Using Conditional Generative Adversarial Neural Networks. *Yu, H.*, +, *TVT April 2020 3680-3692*

Training

A Hierarchical and Flexible Data-Driven Method for Online State-of-Health Estimation of Li-Ion Battery. *Liu, W.*, +, *TVT Dec. 2020 14739-14748*

Accumulated Polar Feature-Based Deep Learning for Efficient and Lightweight Automatic Modulation Classification With Channel Compensation Mechanism. *Teng, C.*, +, *TVT Dec. 2020 15472-15485*

Accurate Image-Based Pedestrian Detection With Privacy Preservation. *Yang, H.*, +, *TVT Dec. 2020 14494-14509*

Beamformed Radio Link Capacity Under Positioning Uncertainty. *Talvitie, J.*, +, *TVT Dec. 2020 16235-16240*

Deep Learning Aided Spectrum Prediction for Satellite Communication Systems. *Ding, X.*, +, *TVT Dec. 2020 16314-16319*

Development of Artificial Intelligence to Classify Quality of Transmission Shift Control Using Deep Convolutional Neural Networks. *Kawakami, T.*, +, *TVT Dec. 2020 16168-16172*

Intelligent and Reliable Deep Learning LSTM Neural Networks-Based OFDM-DCSK Demodulation Design. *Zhang, L.*, +, *TVT Dec. 2020 16163-16167*

On Extracting Regular Travel Behavior of Private Cars Based on Trajectory Data Analysis. *Xiao, Z.*, +, *TVT Dec. 2020 14537-14549*

Remaining Useful Life Prediction for Lithium-Ion Batteries Based on Capacity Estimation and Box-Cox Transformation. *Xue, Q.*, +, *TVT Dec. 2020 14765-14779*

RF Fingerprinting Unmanned Aerial Vehicles With Non-Standard Transmitter Waveforms. *Soltani, N.*, +, *TVT Dec. 2020 15518-15531*

Trajectory

Adaptive Robust Game-Theoretic Decision Making Strategy for Autonomous Vehicles in Highway. *Sankar, G.S.*, +, *TVT Dec. 2020 14484-14493*

An ω -Free Gyro-Free Accelerometer Pair Algorithm for 2D Trajectory Reconstruction. *Liu, X.*, +, *TVT Dec. 2020 16173-16177*

Analysis of Blocking in mmWave Cellular Systems: Characterization of the LOS and NLOS Intervals in Urban Scenarios. *Ruiz, C.G.*, +, *TVT Dec. 2020 16247-16252*

Anti-Jamming 3D Trajectory Design for UAV-Enabled Wireless Sensor Networks Under Probabilistic LoS Channel. *Duo, B.*, +, *TVT Dec. 2020 16288-16293*

Joint Relay Assignment and Channel Allocation for Opportunistic UAVs-Aided Dynamic Networks: A Mood-Driven Approach. *Zhong, X.*, +, *TVT Dec. 2020 15019-15034*

On Extracting Regular Travel Behavior of Private Cars Based on Trajectory Data Analysis. *Xiao, Z.*, +, *TVT Dec. 2020 14537-14549*

Predictive Equivalent Consumption Minimization Strategy With Segmented Traffic Information. *Chen, D.*, +, *TVT Dec. 2020 14377-14390*

Vehicle Lateral Stability Control Based on Shiftable Stability Regions and Dynamic Margins. *Huang, Y.*, +, *TVT Dec. 2020 14727-14738*

Trajectory control

A Wideband Non-Stationary Air-to-Air Channel Model for UAV Communications. *Ma, Z.*, +, *TVT Feb. 2020 1214-1226*

Age of Information Aware Trajectory Planning of UAVs in Intelligent Transportation Systems: A Deep Learning Approach. *Samir, M.*, +, *TVT Nov. 2020 12382-12395*

Coarse Trajectory Design for Energy Minimization in UAV-Enabled. *Tran, D.*, +, *TVT Sept. 2020 9483-9496*

Dynamic Output Feedback Fault Tolerant Control for Unmanned Underwater Vehicles. *Wang, X.*, +, *TVT April 2020 3693-3702*

Efficient Mode Transition Control for Parallel Hybrid Electric Vehicle With Adaptive Dual-Loop Control Framework. *Yang, C.*, +, *TVT Feb. 2020 1519-1532*

Load Balance and Trajectory Design in Multi-UAV Aided Large-Scale Wireless Rechargeable Networks. *Wu, P.*, +, *TVT Nov. 2020 13756-13767*

Multi-UAV Formation Control Based on a Novel Back-Stepping Approach. *Zhang, J.*, +, *TVT March 2020 2437-2448*

Nonlinear Motion Control for a Quadrotor Transporting a Cable-Suspended Payload. *Lv, Z.*, +, *TVT Aug. 2020 8192-8206*

Short-Term Multi-Vehicle Trajectory Planning for Collision Avoidance. *Nakamura, A.*, +, *TVT Sept. 2020 9253-9264*

Stable Autonomous Robotic Wheelchair Navigation in the Environment With Slope Way. *Wang, C.*, +, *TVT Oct. 2020 10759-10771*

Trajectory optimization (aerospace)

Energy Efficiency Maximization for Full-Duplex UAV Secrecy Communication. *Duo, B.*, +, *TVT April 2020 4590-4595*

Trajectory Optimization for UAVs' Efficient Charging in Wireless Rechargeable Sensor Networks. *Wu, P.*, +, *TVT April 2020 4207-4220*

Transaction processing

A Blockchain-Based Framework for Lightweight Data Sharing and Energy Trading in V2G Network. *Hassija, V.*, +, *TVT June 2020 5799-5812*

DAGIoV: A Framework for Vehicle to Vehicle Communication Using Directed Acyclic Graph and Game Theory. *Hassija, V.*, +, *TVT April 2020 4182-4191*

Transceivers

Performance of Joint Sensing-Communication Cooperative Sensing UAV Network. *Chen, X.*, +, *TVT Dec. 2020 15545-15556*

Uplink Interference Analysis of F-OFDM Systems Under Non-Ideal Synchronization. *Chen, H.*, +, *TVT Dec. 2020 15500-15517*

Transcoding

Adaptive Bitrate Streaming in Wireless Networks With Transcoding at Network Edge Using Deep Reinforcement Learning. *Guo, Y.*, +, *TVT April 2020 3879-3892*

Video Caching and Transcoding in Wireless Cellular Networks With Mobile Edge Computing: A Robust Approach. *Wang, C.*, +, *TVT Aug. 2020 9234-9238*

Transfer function matrices

Active Fault Diagnosis Method for Vehicles in Platoon Formation. *Lopes, A.*, +, *TVT April 2020 3590-3603*

Transform coding

Performance Analysis of Improved LT Codes With the Removal of Low Degree Input Symbols. *Wang, C.*, +, *TVT Feb. 2020 2296-2300*

Transforms

Wireless Energy Efficiency Evaluation for Buildings Under Design Based on Analysis of Interference Gain. *Zhang, J.*, +, *TVT June 2020 6310-6324*

Transient analysis

Prescribed Performance Concurrent Control of Connected Vehicles With Nonlinear Third-Order Dynamics. *Li, D.*, +, *TVT Dec. 2020 14793-14802*

Transient response

Adaptive Channel Prediction, Beamforming and Scheduling Design for 5G V2I Network: Analytical and Machine Learning Approaches. *Bogale, T.E.*, +, *TVT May 2020 5055-5067*

An Adaptive Backstepping Sliding Mode Controller to Improve Vehicle Maneuverability and Stability via Torque Vectoring Control. *Zhang, L.*, +, *TVT March 2020 2598-2612*

Channel Modelling and Performance Limits of Vehicular Visible Light Communication Systems. *Karbalayghareh, M.*, +, *TVT July 2020 6891-6901*

Kalman Filter Based Recursive Estimation of Slowly Fading Sparse Channel in Impulsive Noise Environment for OFDM Systems. *Lv, X.*, +, *TVT March 2020 2828-2835*

UWB System for Indoor Positioning and Tracking With Arbitrary Target Orientation, Optimal Anchor Location, and Adaptive NLOS Mitigation. *Chen, Y.*, +, *TVT Sept. 2020 9304-9314*

Wideband Ultrasonic Acoustic Underwater Channels: Measurements and Characterization. *Lopez-Fernandez, J.*, +, *TVT April 2020 4019-4032*

Transmission line matrix methods

Highly Accurate Scale Estimation from Multiple Keyframes Using RANSAC Plane Fitting With a Novel Scoring Method. *Fan, M.*, +, *TVT Dec. 2020 15335-15345*

Transmission networks

Power Flow Simulation in the Product Development Process of Modern Vehicular DC Distribution Systems. *Mantilla-Perez, P.*, +, *TVT May 2020 5025-5040*

Transmitters

A Bandit Approach for Mode Selection in Ambient Backscatter-Assisted Wireless-Powered Relaying. *Li, G.*, +, *TVT Aug. 2020 9190-9195*

Achievable Rate Region of MISO Interference Channel Aided by Intelligent Reflecting Surface. *Huang, W.*, +, *TVT Dec. 2020 16264-16269*

Achieving Covert Communication in Overlay Cognitive Radio Networks. *Chen, R.*, +, *TVT Dec. 2020 15113-15126*

Joint Carrier-Code Index Modulation Aided M-Ary Differential Chaos Shift Keying System. *Cai, X.*, +, *TVT Dec. 2020 15486-15499*

New Integrated Tripolar Pad Using Double-Sided LCC Compensation for Wireless Power Transfer. *Mosammam, B.M.*, +, *TVT Dec. 2020 15633-15643*

RF Fingerprinting Unmanned Aerial Vehicles With Non-Standard Transmitter Waveforms. *Soltani, N.*, +, *TVT Dec. 2020 15518-15531*

Transmitting antennas

A Dual-Functional Massive MIMO OFDM Communication and Radar Transmitter Architecture. *Temiz, M.*, +, *TVT Dec. 2020 14974-14988*

A Sequential Subspace Method for Millimeter Wave MIMO Channel Estimation. *Zhang, W.*, +, *TVT May 2020 5355-5368*

Detection Algorithm for Single-Carrier Spatial Modulation Signals in Frequency-Selective Fading Channels. *Lai, K.*, +, *TVT Nov. 2020 13341-13356*

Double Space-Time Line Codes. *Joung, J.*, +, *TVT Feb. 2020 2316-2321*

Hybrid Multicast/Unicast Design in NOMA-Based Vehicular Caching System. *Pei, X.*, +, *TVT Dec. 2020 16304-16308*

Intelligent Reflecting Surface-Assisted Millimeter Wave Communications: Joint Active and Passive Precoding Design. *Wang, P.*, +, *TVT Dec. 2020 14960-14973*

Joint MIMO Communication and MIMO Radar Under Different Practical Waveform Constraints. *He, X.*, +, *TVT Dec. 2020 16342-16347*

- Joint Power and Subcarrier Allocation Optimization for Multigroup Multicast Systems With Rate Splitting. *Chen, H.*, +, *TVT Feb. 2020 2306-2310*
- Non-Coherent Massive MIMO-OFDM Down-Link Based on Differential Modulation. *Chen-Hu, K.*, +, *TVT Oct. 2020 11281-11294*
- On the Performance of MIMO Full-Duplex Relaying System With SWIPT Under Outdated CSI. *Hoang, T.M.*, +, *TVT Dec. 2020 15580-15593*
- Secrecy Outage Analysis of Transmit Antenna Selection Assisted With Wireless Power Beacon. *Yan, P.*, +, *TVT July 2020 7473-7482*
- Secrecy Outage and Diversity Analysis of Multiple Cooperating Source-Destination Pairs. *Ding, X.*, +, *TVT July 2020 7648-7662*
- Secure Degrees of Freedom of Rank-Deficient BCCM and Rank-Deficient ICCM. *Wang, Q.*, +, *TVT April 2020 4033-4041*
- Secure Spatial Modulation via Radio Frequency Mirrors. *Luo, J.*, +, *TVT Aug. 2020 9168-9173*
- Signed Quadrature Spatial Modulation for MIMO Systems. *Abu-Hudrouss, A.M.*, +, *TVT March 2020 2740-2746*
- Space-Frequency Increment Index Modulation Approach for Fifth Generation and Beyond Wireless Communication Systems. *Nusenu, S.Y.*, +, *TVT June 2020 6286-6298*
- Sparse Space-Time-Frequency-Domain Spreading for Large-Scale Non-Orthogonal Multiple Access. *Liu, Y.*, +, *TVT Oct. 2020 12327-12332*

Transponders

- A Calibration Method of USBL Installation Error Based on Attitude Determination. *Zhu, Y.*, +, *TVT Aug. 2020 8317-8328*

Transport protocols

- A Dynamic MAP Discovery and Selection Scheme for Predictive Hierarchical MIPv6 in Vehicular Networks. *Aljeri, N.*, +, *TVT Jan. 2020 793-806*
- Energy Efficient Adaptive Video Streaming With Rotary-Wing UAV. *Zhan, C.*, +, *TVT July 2020 8040-8044*
- Improving TCP Performance Over WiFi for Internet of Vehicles: A Federated Learning Approach. *Pokhrel, S.R.*, +, *TVT June 2020 6798-6802*
- Improving the Congestion Control Performance for Mobile Networks in High-Speed Railway via Deep Reinforcement Learning. *Cui, L.*, +, *TVT June 2020 5864-5875*
- Named Data Networking Enabled Power Saving Mode Design for WLAN. *Wu, F.*, +, *TVT Jan. 2020 901-913*

Transportation

- Centralized Cooperation for Connected and Automated Vehicles at Intersections by Proximal Policy Optimization. *Guan, Y.*, +, *TVT Nov. 2020 12597-12608*
- Congestion Propagation Based Bottleneck Identification in Urban Road Networks. *Li, C.*, +, *TVT May 2020 4827-4841*
- Finding Reliable Paths Considering the Earliest Arrival Time and the Latest Departure Time With 3-Parameter Lognormal Travel Times. *Yang, Z.*, +, *TVT Oct. 2020 10457-10468*
- Large-Scale Intelligent Taxicab Scheduling: A Distributed and Future-Aware Approach. *Wang, Y.*, +, *TVT Aug. 2020 8176-8191*
- Optimal Charging and Routing of Electric Vehicles With Power Constraints and Time-of-Use Energy Prices. *Ferro, G.*, +, *TVT Dec. 2020 14436-14447*
- Optimal Service Pricing and Charging Scheduling of an Electric Vehicle Sharing System. *Xie, R.*, +, *TVT Jan. 2020 78-89*
- Reinforcement Learning for Joint Control of Traffic Signals in a Transportation Network. *Lee, J.*, +, *TVT Feb. 2020 1375-1387*
- Toward Future Green Maritime Transportation: An Overview of Seaport Microgrids and All-Electric Ships. *Fang, S.*, +, *TVT Jan. 2020 207-219*
- Using Reinforcement Learning to Minimize the Probability of Delay Occurrence in Transportation. *Cao, Z.*, +, *TVT March 2020 2424-2436*

Traveling salesman problems

- Coarse Trajectory Design for Energy Minimization in UAV-Enabled. *Tran, D.*, +, *TVT Sept. 2020 9483-9496*
- Joint 3D Trajectory Design and Time Allocation for UAV-Enabled Wireless Power Transfer Networks. *Feng, W.*, +, *TVT Sept. 2020 9265-9278*

Tree data structures

- Truncated Tree Based Hybrid Beamforming for Multi-Panel MIMO. *Wang, W.*, +, *TVT Nov. 2020 13974-13978*

Tree searching

- Beam Allocation for Millimeter-Wave MIMO Tracking Systems. *Zhang, D.*, +, *TVT Feb. 2020 1595-1611*

- Driving Maneuvers Prediction Based Autonomous Driving Control by Deep Monte Carlo Tree Search. *Chen, J.*, +, *TVT July 2020 7146-7158*
- Partial Tree Search Assisted Symbol Detection for Massive MIMO Systems. *Lu, H.*, +, *TVT Nov. 2020 13319-13327*

Trees (mathematics)

- An Edge Computing Based Public Vehicle System for Smart Transportation. *Lin, J.*, +, *TVT Nov. 2020 12635-12651*
- Communication and Computing Resource Optimization for Connected Autonomous Driving. *Xiong, K.*, +, *TVT Nov. 2020 12652-12663*
- Congestion Propagation Based Bottleneck Identification in Urban Road Networks. *Li, C.*, +, *TVT May 2020 4827-4841*
- DAVT: An Error-Bounded Vehicle Trajectory Data Representation and Compression Framework. *Chen, C.*, +, *TVT Oct. 2020 10606-10618*
- Theoretical Throughput Analysis for Massive Random Access With Spatial Successive Decoding. *Li, P.*, +, *TVT July 2020 7998-8002*
- Truncated Tree Based Hybrid Beamforming for Multi-Panel MIMO. *Wang, W.*, +, *TVT Nov. 2020 13974-13978*

Trusted computing

- Blockchain Empowered Cooperative Authentication With Data Traceability in Vehicular Edge Computing. *Liu, H.*, +, *TVT April 2020 4221-4232*
- Blockchain Enabled Trust-Based Location Privacy Protection Scheme in VANET. *Luo, B.*, +, *TVT Feb. 2020 2034-2048*
- Security Enhanced Content Sharing in Social IoT: A Directed Hypergraph-Based Learning Scheme. *Wang, B.*, +, *TVT April 2020 4412-4425*
- T-Safe: Trustworthy Service Provisioning for IoT-Based Intelligent Transport Systems. *Dass, P.*, +, *TVT Sept. 2020 9509-9517*
- Towards Airbnb-Like Privacy-Enhanced Private Parking Spot Sharing Based on Blockchain. *Wang, L.*, +, *TVT March 2020 2411-2423*
- Trust Management Scheme Based on Hybrid Cryptography for Secure Communications in VANETs. *Tangade, S.*, +, *TVT May 2020 5232-5243*

Tuning

- DeepChannel: Wireless Channel Quality Prediction Using Deep Learning. *Kulkarni, A.*, +, *TVT Jan. 2020 443-456*

Turbo codes

- A New IDMA System Based on CSK Modulation for Multiuser Underwater Acoustic Communications. *Jing, L.*, +, *TVT March 2020 3080-3092*
- Adaptive Turbo Equalization for Differential OFDM Systems in Underwater Acoustic Communications. *Zhao, S.*, +, *TVT Nov. 2020 13937-13941*
- Concurrent OFDM Demodulation and Turbo Decoding for Ultra Reliable Low Latency Communication. *Xiang, L.*, +, *TVT Feb. 2020 1281-1290*
- Efficient Hardware for Generalized Turbo Signal Recovery in Compressed Sensing. *Zhang, C.*, +, *TVT Feb. 2020 1245-1256*
- Energy Optimization For Hybrid ARQ With Turbo Coding: Rate Adaptation and Allocation. *Zhang, B.*, +, *TVT Oct. 2020 11338-11352*
- Guaranteeing Information Transfer Integrity Through Two Non-Colluding Malicious Nodes Against i.i.d. Attacks. *Zheng, X.*, +, *TVT Nov. 2020 14099-14103*

Two dimensional displays

- A Study of 2D Non-Stationary Massive MIMO Channels by Transformation of Delay and Angular Power Spectral Densities. *Lopez, C.F.*, +, *TVT Dec. 2020 14212-14224*
- Highly Accurate Scale Estimation from Multiple Keyframes Using RANSAC Plane Fitting With a Novel Scoring Method. *Fan, M.*, +, *TVT Dec. 2020 15335-15345*

U

UHF antennas

- A Reconfigurable Dual-Band Dual-Circularly Polarized Antenna for Vehicle Global Navigation Satellite System Application. *Xu, R.*, +, *TVT Oct. 2020 11857-11867*
- Compact Quad-Element Vertically-Polarized High-Isolation Wideband MIMO Antenna for Vehicular Base Station. *Wang, W.*, +, *TVT Sept. 2020 10000-10008*
- Dual-Band Dual-CP All-Metal Antenna With Large Signal Coverage and High Isolation Over Two Bands for Vehicular Communications. *Wang, S.*, +, *TVT Jan. 2020 1131-1135*

- Wideband Dual Circularly Polarized Antenna for Intelligent Transport Systems. *Wen, L.*, +, *TVT May 2020 5193-5202*
- UHF filters**
- Spectral Coexistence of LDACS and DME: Analysis via Hardware Software Co-Design in Presence of Real Channels and RF Impairments. *Agrawal, N.*, +, *TVT Sept. 2020 9837-9848*
- UHF integrated circuits**
- Spectral Coexistence of LDACS and DME: Analysis via Hardware Software Co-Design in Presence of Real Channels and RF Impairments. *Agrawal, N.*, +, *TVT Sept. 2020 9837-9848*
- UHF phase shifters**
- Wideband Dual Circularly Polarized Antenna for Intelligent Transport Systems. *Wen, L.*, +, *TVT May 2020 5193-5202*
- UHF radio propagation**
- Experimental Study on the Impact of Antenna Characteristics on Non-Stationary V2I Channel Parameters in Tunnels. *Yusuf, M.*, +, *TVT Nov. 2020 12396-12407*
- Measurements and Analysis of Propagation Channels in Vehicle-to-Infrastructure Scenarios. *Li, W.*, +, *TVT April 2020 3550-3561*
- Propagation Measurements and Modeling for Low Altitude UAVs From 1 to 24 GHz. *Briso, C.*, +, *TVT March 2020 3439-3443*
- Ultra reliable low latency communication**
- Spectral Efficient Resource Allocation for URLLC in Distributed Antenna Systems. *Hong, J.*, +, *TVT Dec. 2020 15057-15067*
- Ultra wideband antennas**
- A Tri-Polarized Antenna With Diverse Radiation Characteristics for 5G and V2X Communications. *Feng, B.*, +, *TVT Sept. 2020 10115-10126*
- Ultra wideband communication**
- UWB Receiver via Deep Learning in MUI and ISI Scenarios. *Sharma, S.*, +, *TVT March 2020 3496-3499*
- UWB System for Indoor Positioning and Tracking With Arbitrary Target Orientation, Optimal Anchor Location, and Adaptive NLOS Mitigation. *Chen, Y.*, +, *TVT Sept. 2020 9304-9314*
- Ultra wideband technology**
- A New Quaternion Kalman Filter Based Foot-Mounted IMU and UWB Tightly-Coupled Method for Indoor Pedestrian Navigation. *Wen, K.*, +, *TVT April 2020 4340-4352*
- An Integrated GNSS/UWB/DR/VMM Positioning Strategy for Intelligent Vehicles. *Zhu, B.*, +, *TVT Oct. 2020 10842-10853*
- Ultrasonic measurement**
- Wideband Ultrasonic Acoustic Underwater Channels: Measurements and Characterization. *Lopez-Fernandez, J.*, +, *TVT April 2020 4019-4032*
- Uncertain systems**
- A Novel Terramechanics-Based Path-Tracking Control of Terrain-Based Wheeled Robot Vehicle With Matched-Mismatched Uncertainties. *Taghavifar, H.*, +, *TVT Jan. 2020 67-77*
- Dynamic Output Feedback Fault Tolerant Control for Unmanned Underwater Vehicles. *Wang, X.*, +, *TVT April 2020 3693-3702*
- Energy-Efficient Speed Control of Electric Vehicles: Linear Matrix Inequality Approach. *Veysi, M.*, +, *TVT Oct. 2020 10469-10483*
- Neural Networks-Based Sliding Mode Fault-Tolerant Control for High-Speed Trains With Bounded Parameters and Actuator Faults. *Dong, H.*, +, *TVT Feb. 2020 1353-1362*
- Path Tracking and Direct Yaw Moment Coordinated Control Based on Robust MPC With the Finite Time Horizon for Autonomous Independent-Drive Vehicles. *Peng, H.*, +, *TVT June 2020 6053-6066*
- Torque Vectoring and Rear-Wheel-Steering Control for Vehicle's Uncertain Slips on Soft and Slope Terrain Using Sliding Mode Algorithm. *Liang, Z.*, +, *TVT April 2020 3805-3815*
- Trajectory Tracking Control of Autonomous Vehicle With Random Network Delay. *Luan, Z.*, +, *TVT Aug. 2020 8140-8150*
- Uncertainty**
- Achieving Covert Communication in Overlay Cognitive Radio Networks. *Chen, R.*, +, *TVT Dec. 2020 15113-15126*
- Adaptive Robust Game-Theoretic Decision Making Strategy for Autonomous Vehicles in Highway. *Sankar, G.S.*, +, *TVT Dec. 2020 14484-14493*
- Attractive Ellipsoid Sliding Mode Observer Design for State of Charge Estimation of Lithium-Ion Cells. *Nath, A.*, +, *TVT Dec. 2020 14701-14712*
- Beamformed Radio Link Capacity Under Positioning Uncertainty. *Talvitie, J.*, +, *TVT Dec. 2020 16235-16240*
- Capacity of Uplink Partial Overlapping Non-Orthogonal Multiple Access for Underwater Acoustic Networks. *Jiang, Z.*, +, *TVT Dec. 2020 14290-14303*
- Incentive Mechanism for Cooperative Localization in Wireless Networks. *Zhu, Y.*, +, *TVT Dec. 2020 15920-15932*
- Networking and Positioning Co-Design in Multi-Connectivity Industrial mmW Systems. *Rastorgueva-Foi, E.*, +, *TVT Dec. 2020 15842-15856*
- Remaining Useful Life Prediction for Lithium-Ion Batteries Based on Capacity Estimation and Box-Cox Transformation. *Xue, Q.*, +, *TVT Dec. 2020 14765-14779*
- Uncertainty handling**
- A Framework of Multipath Clustering Based on Space-Transformed Fuzzy c -Means and Data Fusion for Radio Channel Modeling. *Huang, Z.*, +, *TVT Jan. 2020 4-15*
- Machine Learning and Reputation Based Misbehavior Detection in Vehicular Communication Networks. *Gyawali, S.*, +, *TVT Aug. 2020 8871-8885*
- Underground communication**
- Antenna Optimization for Decode-and-Forward Relay in Magnetic Induction Communications. *Ma, H.*, +, *TVT March 2020 3449-3453*
- Velocity-Free Localization of Autonomous Driverless Vehicles in Underground Intelligent Mines. *Dong, L.*, +, *TVT Sept. 2020 9292-9303*
- Underwater acoustic communication**
- A Direct Position Determination Approach for Underwater Acoustic Sensor Networks. *Wang, L.*, +, *TVT Nov. 2020 13033-13044*
- A New IDMA System Based on CSK Modulation for Multiuser Underwater Acoustic Communications. *Jing, L.*, +, *TVT March 2020 3080-3092*
- A Node Location Algorithm Based on Node Movement Prediction in Underwater Acoustic Sensor Networks. *Zhang, W.*, +, *TVT March 2020 3166-3178*
- Adaptive Turbo Equalization for Differential OFDM Systems in Underwater Acoustic Communications. *Zhao, S.*, +, *TVT Nov. 2020 13937-13941*
- AUV-Aided Localization for Underwater Acoustic Sensor Networks With Current Field Estimation. *Yan, J.*, +, *TVT Aug. 2020 8855-8870*
- Cellular Clustering-Based Interference-Aware Data Transmission Protocol for Underwater Acoustic Sensor Networks. *Zhang, J.*, +, *TVT March 2020 3217-3230*
- Multidimensional Multilayer Modulation for Broadcast UVLC With Photon Detectors. *Si-Ma, L.*, +, *TVT June 2020 6437-6451*
- TRiForm: Formation Control for Underwater Sensor Networks With Measurement Errors. *Wu, H.*, +, *TVT July 2020 7679-7691*
- Wideband Ultrasonic Acoustic Underwater Channels: Measurements and Characterization. *Lopez-Fernandez, J.*, +, *TVT April 2020 4019-4032*
- Underwater acoustic propagation**
- Peak Extraction Passive Source Localization Using a Single Hydrophone in Shallow Water. *Zhang, T.*, +, *TVT March 2020 3412-3423*
- Underwater optical wireless communication**
- Performance Analysis of Mixed RF-UWOC Dual-Hop Transmission Systems. *Li, S.*, +, *TVT Nov. 2020 14043-14048*
- Underwater sound**
- A Direct Position Determination Approach for Underwater Acoustic Sensor Networks. *Wang, L.*, +, *TVT Nov. 2020 13033-13044*
- Wideband Ultrasonic Acoustic Underwater Channels: Measurements and Characterization. *Lopez-Fernandez, J.*, +, *TVT April 2020 4019-4032*
- Underwater vehicles**
- A Calibration Method of USBL Installation Error Based on Attitude Determination. *Zhu, Y.*, +, *TVT Aug. 2020 8317-8328*
- A Simple and Precise Correction Method for DVL Measurements Under the Dynamic Environment. *Yao, Y.*, +, *TVT Oct. 2020 10750-10758*
- An IMM-UKF Aided SINS/USBL Calibration Solution for Underwater Vehicles. *Yao, Y.*, +, *TVT April 2020 3740-3747*
- Real-Time Perception and Positioning for Creature Picking of an Underwater Vehicle. *Cui, S.*, +, *TVT April 2020 3783-3792*
- Unicast**
- Hybrid Multicast/Unicast Design in NOMA-Based Vehicular Caching System. *Pei, X.*, +, *TVT Dec. 2020 16304-16308*

Unmanned aerial vehicles

- Anti-Jamming 3D Trajectory Design for UAV-Enabled Wireless Sensor Networks Under Probabilistic LoS Channel. *Duo, B., +, TVT Dec. 2020 16288-16293*
- Joint Relay Assignment and Channel Allocation for Opportunistic UAVs-Aided Dynamic Networks: A Mood-Driven Approach. *Zhong, X., +, TVT Dec. 2020 15019-15034*
- Performance Analysis of Terahertz Unmanned Aerial Vehicular Networks. *Wang, X., +, TVT Dec. 2020 16330-16335*
- Performance of Joint Sensing-Communication Cooperative Sensing UAV Network. *Chen, X., +, TVT Dec. 2020 15545-15556*
- RF Fingerprinting Unmanned Aerial Vehicles With Non-Standard Transmitter Waveforms. *Soltani, N., +, TVT Dec. 2020 15518-15531*
- SecAuthUAV: A Novel Authentication Scheme for UAV-Ground Station and UAV-UAV Communication. *Alladi, T., +, TVT Dec. 2020 15068-15077*
- UAV-Enabled NOMA Networks Analysis With Selective Incremental Relaying and Imperfect CSI. *Guo, C., +, TVT Dec. 2020 16276-16281*
- UAV-Enabled Secure Communication With Finite Blocklength. *Wang, Y., +, TVT Dec. 2020 16309-16313*

Unsupervised learning

- Hybrid Beamforming/Combining for Millimeter Wave MIMO: A Machine Learning Approach. *Chen, J., +, TVT Oct. 2020 11353-11368*
- Personalized Adaptive Cruise Control Based on Online Driving Style Recognition Technology and Model Predictive Control. *Gao, B., +, TVT Nov. 2020 12482-12496*
- Semisupervised PCA Convolutional Network for Vehicle Type Classification. *Soon, F.C., +, TVT Aug. 2020 8267-8277*
- Unsupervised Deep Spectrum Sensing: A Variational Auto-Encoder Based Approach. *Xie, J., +, TVT May 2020 5307-5319*

Uplink

- Adaptive Federated Learning With Gradient Compression in Uplink NOMA. *Sun, H., +, TVT Dec. 2020 16325-16329*
- Capacity Analysis of Coordinated Multipoint Reception for mmWave Uplink With Blockages. *Maham, B., +, TVT Dec. 2020 16299-16303*
- Capacity of Uplink Partial Overlapping Non-Orthogonal Multiple Access for Underwater Acoustic Networks. *Jiang, Z., +, TVT Dec. 2020 14290-14303*
- How Much Can Radio Resource Allocation Help to Improve Secrecy Capacity of V2V Underlay Cellular Networks?. *Luo, X., +, TVT Dec. 2020 14932-14944*
- OTFS Based Random Access Preamble Transmission for High Mobility Scenarios. *Sinha, A.K., +, TVT Dec. 2020 15078-15094*
- Outage Performance of CDF-Based Scheduling in Downlink and Uplink NOMA Systems. *Lu, H., +, TVT Dec. 2020 14945-14959*
- Pilot Length and Channel Estimation for Massive MIMO IoT Systems. *Yan, H., +, TVT Dec. 2020 15532-15544*
- Spectral Efficiency of Dynamic Licensed Shared Access. *Onidare, S.O., +, TVT Dec. 2020 15149-15161*
- Spectral Efficient Resource Allocation for URLLC in Distributed Antenna Systems. *Hong, J., +, TVT Dec. 2020 15057-15067*
- Stability Region and Delay Analysis of a SWIPT-Based Two-Way Relay Network With Opportunistic Network Coding. *Moradian, M., +, TVT Dec. 2020 15682-15693*
- Stochastic Hybrid Combining Design for Quantized Massive MIMO Systems. *Wang, Y., +, TVT Dec. 2020 16224-16229*
- Uplink Channel Estimation With Hardware Imperfections, Antenna Position Error and Channel Correlation for Nested and Linear Array Antennas. *Azam, M.A., +, TVT Dec. 2020 15412-15426*
- Uplink Interference Analysis of F-OFDM Systems Under Non-Ideal Synchronization. *Chen, H., +, TVT Dec. 2020 15500-15517*

Upper bound

- New NOMA-Based Two-Way Relay Networks. *Fang, Z., +, TVT Dec. 2020 15314-15324*
- On NOMA-Based mmWave Communications. *Tian, Y., +, TVT Dec. 2020 15398-15411*

Urban areas

- Analysis of Blocking in mmWave Cellular Systems: Characterization of the LOS and NLOS Intervals in Urban Scenarios. *Ruiz, C.G., +, TVT Dec. 2020 16247-16252*

- GPS L1CA/BDS BII Multipath Channel Measurements and Modeling for Dynamic Land Vehicle in Shanghai Dense Urban Area. *Chen, X., +, TVT Dec. 2020 14247-14263*

V**Valves**

- Global Synchronous Optimization Including Intake Valves and Exhaust Valves Based on MODM Strategy. *Lu, Y., +, TVT Dec. 2020 14858-14868*

Varactors

- Polarization and Frequency-Selective Surface for Vehicular Beamforming Communications Requiring Near-Zero Profile. *Youn, Y., +, TVT Feb. 2020 1719-1726*

Variable structure systems

- A Novel Local Motion Planning Framework for Autonomous Vehicles Based on Resistance Network and Model Predictive Control. *Huang, Y., +, TVT Jan. 2020 55-66*
- A Novel Terramechanics-Based Path-Tracking Control of Terrain-Based Wheeled Robot Vehicle With Matched-Mismatched Uncertainties. *Taghavifar, H., +, TVT Jan. 2020 67-77*
- Adaptive Fault-Tolerant Control of Platoons With Guaranteed Traffic Flow Stability. *Guo, G., +, TVT July 2020 6916-6927*
- Adaptive Sliding Mode-Based Lateral Stability Control of Steer-by-Wire Vehicles With Experimental Validations. *Zhang, J., +, TVT Sept. 2020 9589-9600*
- An Adaptive Backstepping Sliding Mode Controller to Improve Vehicle Maneuverability and Stability via Torque Vectoring Control. *Zhang, L., +, TVT March 2020 2598-2612*
- An Energy-Saving Torque Vectoring Control Strategy for Electric Vehicles Considering Handling Stability Under Extreme Conditions. *Hu, X., +, TVT Oct. 2020 10787-10796*
- Neural Networks-Based Sliding Mode Fault-Tolerant Control for High-Speed Trains With Bounded Parameters and Actuator Faults. *Dong, H., +, TVT Feb. 2020 1353-1362*
- Optimal Anti-Lock Braking Control With Nonlinear Variable Voltage Charging Scheme for an Electric Vehicle. *Wang, J., +, TVT July 2020 7211-7222*
- Rear-Steering Based Decentralized Control of Four-Wheel Steering Vehicle. *Wu, Y., +, TVT Oct. 2020 10899-10913*
- Supervised Parameter Estimation for Road Vehicles, Mitigating Powertrain Induced Uncertainty. *Wragge-Morley, R., +, TVT July 2020 7000-7013*
- Torque Vectoring Algorithm of Electronic-Four-Wheel Drive Vehicles for Enhancement of Cornering Performance. *Park, G., +, TVT April 2020 3668-3679*
- Torque Vectoring and Rear-Wheel-Steering Control for Vehicle's Uncertain Slips on Soft and Slope Terrain Using Sliding Mode Algorithm. *Liang, Z., +, TVT April 2020 3805-3815*

Variational techniques

- A Simple Variational Bayes Detector for Orthogonal Time Frequency Space (OTFS) Modulation. *Yuan, W., +, TVT July 2020 7976-7980*
- Multiple Delay Estimation for Collision Resolution in Non-Orthogonal Random Access. *Bai, L., +, TVT Jan. 2020 497-508*
- Target Tracking Algorithm for System With Gaussian/Non-Gaussian Multiplicative Noise. *Yu, X., +, TVT Jan. 2020 90-100*

Vector quantization

- Hybrid Precoder Design With Minimum-Subspace-Distortion Quantization in Multiuser mmWave Communications. *Ni, Z., +, TVT Oct. 2020 11055-11065*

Vectors

- 3-D Mixed Far-Field and Near-Field Sources Localization With Cross Array. *Wu, X., +, TVT June 2020 6833-6837*
- A Learning-Based Approach to Intra-Domain QoS Routing. *Yao, H., +, TVT June 2020 6718-6730*
- Complex ResNet Aided DoA Estimation for Near-Field MIMO Systems. *Cao, Y., +, TVT Oct. 2020 11139-11151*
- Groupwise Neighbor Examination for Tabu Search Detection in Large MIMO Systems. *Nguyen, N.T., +, TVT Jan. 2020 1136-1140*

- Joint 2D-DOD, 2D-DOA, and Polarization Angles Estimation for Bistatic EMVS-MIMO Radar via PARAFAC Analysis. *Wen, F.*, +, *TVT Feb. 2020 1626-1638*
- Multibeam Optimization for Joint Communication and Radio Sensing Using Analog Antenna Arrays. *Luo, Y.*, +, *TVT Oct. 2020 11000-11013*
- Nearly Optimal Sensor Selection for TDOA-Based Source Localization in Wireless Sensor Networks. *Dai, Z.*, +, *TVT Oct. 2020 12031-12042*
- Performance Analysis of OFDM With Peak Cancellation Under EVM and ACLR Restrictions. *Kageyama, T.*, +, *TVT June 2020 6230-6241*
- Vehicle dynamics**
- A Novel Local Motion Planning Framework for Autonomous Vehicles Based on Resistance Network and Model Predictive Control. *Huang, Y.*, +, *TVT Jan. 2020 55-66*
- A Novel Terramechanics-Based Path-Tracking Control of Terrain-Based Wheeled Robot Vehicle With Matched-Mismatched Uncertainties. *Taghavifar, H.*, +, *TVT Jan. 2020 67-77*
- A Real-Time Nonlinear Model Predictive Controller for Yaw Motion Optimization of Distributed Drive Electric Vehicles. *Guo, N.*, +, *TVT May 2020 4935-4946*
- A Reinforcement Learning-Based Adaptive Path Tracking Approach for Autonomous Driving. *Shan, Y.*, +, *TVT Oct. 2020 10581-10595*
- A Robust Traction Control Platform for AWD Vehicles With AWD TMU and eLSD. *Guo, Q.*, *TVT Aug. 2020 8395-8406*
- A Universal and Reconfigurable Stability Control Methodology for Articulated Vehicles With Any Configurations. *Zhang, Y.*, +, *TVT April 2020 3748-3759*
- Active Fault Diagnosis Method for Vehicles in Platoon Formation. *Lopes, A.*, +, *TVT April 2020 3590-3603*
- Active Front Steering-Based Electronic Stability Control for Steer-by-Wire Vehicles via Terminal Sliding Mode and Extreme Learning Machine. *Zhang, J.*, +, *TVT Dec. 2020 14713-14726*
- Adaptive Robust Game-Theoretic Decision Making Strategy for Autonomous Vehicles in Highway. *Sankar, G.S.*, +, *TVT Dec. 2020 14484-14493*
- Adaptive Sliding Mode-Based Lateral Stability Control of Steer-by-Wire Vehicles With Experimental Validations. *Zhang, J.*, +, *TVT Sept. 2020 9589-9600*
- Adaptive Washout Filter Based on Fuzzy Logic for a Motion Simulation Platform With Consideration of Joints' Limitations. *Chalak Qazani, M.R.*, +, *TVT Nov. 2020 12547-12558*
- An Adaptive Backstepping Sliding Mode Controller to Improve Vehicle Maneuverability and Stability via Torque Vectoring Control. *Zhang, L.*, +, *TVT March 2020 2598-2612*
- An Analysis of the Tradeoff Between Fuel Consumption and Ride Comfort for the Pulse and Glide Driving Strategy. *Sohn, C.*, +, *TVT July 2020 7223-7233*
- An Energy-Saving Torque Vectoring Control Strategy for Electric Vehicles Considering Handling Stability Under Extreme Conditions. *Hu, X.*, +, *TVT Oct. 2020 10787-10796*
- Collision Imminent Steering at High Speed Using Nonlinear Model Predictive Control. *Wurts, J.*, +, *TVT Aug. 2020 8278-8289*
- Comparison of Anti-Jerk Controllers for Electric Vehicles With On-Board Motors. *Scamacio, A.*, +, *TVT Oct. 2020 10681-10699*
- Congestion and Position Aware Dynamic Routing for the Internet of Vehicles. *Han, R.*, +, *TVT Dec. 2020 16082-16094*
- Design and Experimental Investigation of a Self-Tuning Piezoelectric Energy Harvesting System for Intelligent Vehicle Wheels. *Rui, X.*, +, *TVT Feb. 2020 1440-1451*
- Design and Modeling of Energy Efficient Dual Clutch Transmission With Ball-Ramp Self-Energizing Mechanism. *Kim, D.*, +, *TVT March 2020 2525-2536*
- Distributed Control of Cooperative Vehicular Platoon With Nonideal Communication Condition. *Ma, F.*, +, *TVT Aug. 2020 8207-8220*
- Distributed Deception Attack Detection in Platoon-Based Connected Vehicle Systems. *Ju, Z.*, +, *TVT May 2020 4609-4620*
- Evaluating Model Predictive Path Following and Yaw Stability Controllers for Over-Actuated Autonomous Electric Vehicles. *Zhang, W.*, +, *TVT Nov. 2020 12807-12821*
- Heterogeneous User-Centric Cluster Migration Improves the Connectivity-Handover Trade-Off in Vehicular Networks. *Lin, Y.*, +, *TVT Dec. 2020 16027-16043*
- High Throughput Vehicle Coordination Strategies at Road Intersections. *Liu, C.*, +, *TVT Dec. 2020 14341-14354*
- IMU-Based Automated Vehicle Body Sideslip Angle and Attitude Estimation Aided by GNSS Using Parallel Adaptive Kalman Filters. *Xiong, L.*, +, *TVT Oct. 2020 10668-10680*
- Inertial Navigation and Position Uncertainty During a Blind Safe Stop of an Autonomous Vehicle. *Jonasson, M.*, +, *TVT May 2020 4788-4802*
- Joint Relay Assignment and Channel Allocation for Opportunistic UAVs-Aided Dynamic Networks: A Mood-Driven Approach. *Zhong, X.*, +, *TVT Dec. 2020 15019-15034*
- Link Reliability-Based Adaptive Routing for Multilevel Vehicular Networks. *Xu, C.*, +, *TVT Oct. 2020 11771-11785*
- Min-Max Model Predictive Vehicle Platooning With Communication Delay. *Lan, J.*, +, *TVT Nov. 2020 12570-12584*
- Modeling of Complex Planetary Gear Sets Using Power-Oriented Graphs. *Zanasi, R.*, +, *TVT Dec. 2020 14470-14483*
- Modular Kinematic Modelling of Articulated Buses. *Michalek, M.M.*, +, *TVT Aug. 2020 8381-8394*
- Multi-Sensor Multi-Vehicle (MSMV) Localization and Mobility Tracking for Autonomous Driving. *Yang, P.*, +, *TVT Dec. 2020 14355-14364*
- Multiobjective Optimization of Lane-Changing Strategy for Intelligent Vehicles in Complex Driving Environments. *Zhou, J.*, +, *TVT Feb. 2020 1291-1308*
- On the Design of Yaw Rate Control via Variable Front-to-Total Anti-Roll Moment Distribution. *Ricco, M.*, +, *TVT Feb. 2020 1388-1403*
- Optimal Anti-Lock Braking Control With Nonlinear Variable Voltage Charging Scheme for an Electric Vehicle. *Wang, J.*, +, *TVT July 2020 7211-7222*
- Optimal Control Design for Connected Cruise Control With Stochastic Communication Delays. *Wang, Z.*, +, *TVT Dec. 2020 15357-15369*
- Optimal Coordinated Control of ARS and DYC for Four-Wheel Steer and In-Wheel Motor Driven Electric Vehicle With Unknown Tire Model. *Wang, Q.*, +, *TVT Oct. 2020 10809-10819*
- Optimal Path Planning and Speed Control Integration Strategy for UGVs in Static and Dynamic Environments. *Ren, H.*, +, *TVT Oct. 2020 10619-10629*
- Optimal Time-Consuming Path Planning for Autonomous Underwater Vehicles Based on a Dynamic Neural Network Model in Ocean Current Environments. *Chen, M.*, +, *TVT Dec. 2020 14401-14412*
- Path Tracking and Direct Yaw Moment Coordinated Control Based on Robust MPC With the Finite Time Horizon for Autonomous Independent-Drive Vehicles. *Peng, H.*, +, *TVT June 2020 6053-6066*
- Path Tracking and Handling Stability Control Strategy With Collision Avoidance for the Autonomous Vehicle Under Extreme Conditions. *Chen, Y.*, +, *TVT Dec. 2020 14602-14617*
- Prescribed Performance Concurrent Control of Connected Vehicles With Nonlinear Third-Order Dynamics. *Li, D.*, +, *TVT Dec. 2020 14793-14802*
- Priority-Aware Task Offloading in Vehicular Fog Computing Based on Deep Reinforcement Learning. *Shi, J.*, +, *TVT Dec. 2020 16067-16081*
- Racecar Longitudinal Control in Unknown and Highly-Varying Driving Conditions. *Pedone, S.*, +, *TVT Nov. 2020 12521-12535*
- Rear-Steering Based Decentralized Control of Four-Wheel Steering Vehicle. *Wu, Y.*, +, *TVT Oct. 2020 10899-10913*
- Research on Compound Coordinated Control for a Power-Split Hybrid Electric Vehicle Based on Compensation of Non-Ideal Communication Network. *Wang, J.*, +, *TVT Dec. 2020 14818-14833*
- Ride Comfort Optimization via Speed Planning and Preview Semi-Active Suspension Control for Autonomous Vehicles on Uneven Roads. *Wu, J.*, +, *TVT Aug. 2020 8343-8355*
- Robust \mathcal{H}_∞ Filtering for Vehicle Sideslip Angle With Quantization and Data Dropouts. *Chang, X.*, +, *TVT Oct. 2020 10435-10445*
- Sensor Fault Detection and Isolation Using a Support Vector Machine for Vehicle Suspension Systems. *Jeong, K.*, +, *TVT April 2020 3852-3863*

- Spectral Efficiency of Dynamic Licensed Shared Access. *Onidare, S.O.*, +, *TVT Dec. 2020 15149-15161*
- Strategic Behavior of In-Motion Wireless Charging Aggregators in the Electricity and Transportation Networks. *Manshadi, S.D.*, +, *TVT Dec. 2020 14780-14792*
- Strategy-Proof Spectrum Allocation Among Multiple Operators in Wireless Networks. *Yadav, L.*, +, *TVT Dec. 2020 15964-15977*
- Torque Vectoring and Rear-Wheel-Steering Control for Vehicle's Uncertain Slips on Soft and Slope Terrain Using Sliding Mode Algorithm. *Liang, Z.*, +, *TVT April 2020 3805-3815*
- Trailer Mass Estimation Using System Model-Based and Machine Learning Approaches. *Korayem, A.H.*, +, *TVT Nov. 2020 12536-12546*
- Vehicle Lateral Stability Control Based on Shiftable Stability Regions and Dynamic Margins. *Huang, Y.*, +, *TVT Dec. 2020 14727-14738*
- Wheel Modules With Distributed Controllers: A Multi-Agent Approach to Vehicular Control. *Tang, C.*, +, *TVT Oct. 2020 10879-10888*
- Vehicle routing**
- Optimal Charging and Routing of Electric Vehicles With Power Constraints and Time-of-Use Energy Prices. *Ferro, G.*, +, *TVT Dec. 2020 14436-14447*
- Vehicle-to-everything**
- Generation of Cooperative Perception Messages for Connected and Automated Vehicles. *Thandavarayan, G.*, +, *TVT Dec. 2020 16336-16341*
- Vehicle-to-grid**
- A Blockchain-Based Framework for Lightweight Data Sharing and Energy Trading in V2G Network. *Hassija, V.*, +, *TVT June 2020 5799-5812*
- An IoT and Edge Computing Based Framework for Charge Scheduling and EV Selection in V2G Systems. *Chamola, V.*, +, *TVT Oct. 2020 10569-10580*
- Joint Route Selection and Charging Discharging Scheduling of EVs in V2G Energy Network. *Liu, P.*, +, *TVT Oct. 2020 10630-10641*
- Lightweight Mutual Authentication Protocol for V2G Using Physical Unclonable Function. *Bansal, G.*, +, *TVT July 2020 7234-7246*
- Non-Cooperative and Cooperative Optimization of Scheduling With Vehicle-to-Grid Regulation Services. *Chen, X.*, +, *TVT Jan. 2020 114-130*
- Sinusoidal-Ripple Current Control in Battery Charger of Electric Vehicles. *Bayati, M.*, +, *TVT July 2020 7201-7210*
- Vehicle-to-infrastructure**
- Certificateless and Lightweight Authentication Scheme for Vehicular Communication Networks. *Hathal, W.*, +, *TVT Dec. 2020 16110-16125*
- Vehicles**
- A Novel Local Motion Planning Framework for Autonomous Vehicles Based on Resistance Network and Model Predictive Control. *Huang, Y.*, +, *TVT Jan. 2020 55-66*
- A Robust Traction Control Platform for AWD Vehicles With AWD TMU and eLSD. *Guo, Q.*, *TVT Aug. 2020 8395-8406*
- Adaptive Robust Game-Theoretic Decision Making Strategy for Autonomous Vehicles in Highway. *Sankar, G.S.*, +, *TVT Dec. 2020 14484-14493*
- An Integrated Framework of Decision Making and Motion Planning for Autonomous Vehicles Considering Social Behaviors. *Hang, P.*, +, *TVT Dec. 2020 14458-14469*
- Detecting Motion Blurred Vehicle Logo in IoV Using Filter-DeblurGAN and VL-YOLO. *Zhou, L.*, +, *TVT April 2020 3604-3614*
- Impact of Jamming Attacks on Vehicular Cooperative Adaptive Cruise Control Systems. *Alipour-Fanid, A.*, +, *TVT Nov. 2020 12679-12693*
- Longitudinal Vehicle Speed Estimation for Four-Wheel-Independently-Actuated Electric Vehicles Based on Multi-Sensor Fusion. *Ding, X.*, +, *TVT Nov. 2020 12797-12806*
- Min-Max Model Predictive Vehicle Platooning With Communication Delay. *Lan, J.*, +, *TVT Nov. 2020 12570-12584*
- On Extracting Regular Travel Behavior of Private Cars Based on Trajectory Data Analysis. *Xiao, Z.*, +, *TVT Dec. 2020 14537-14549*
- Optimal Path Planning and Speed Control Integration Strategy for UGVs in Static and Dynamic Environments. *Ren, H.*, +, *TVT Oct. 2020 10619-10629*
- Privacy-Preserving Compressive Sensing for Real-Time Traffic Monitoring in Urban City. *Guo, W.*, +, *TVT Dec. 2020 14510-14522*
- Strategic Behavior of In-Motion Wireless Charging Aggregators in the Electricity and Transportation Networks. *Manshadi, S.D.*, +, *TVT Dec. 2020 14780-14792*
- Variable-Performance Servo System Design Without Actuator Current and Angle Measurement for Rover Vehicles. *Kim, S.*, +, *TVT Nov. 2020 12725-12733*
- Vehicular ad hoc networks**
- A Blockchain-Based Searchable Public-Key Encryption With Forward and Backward Privacy for Cloud-Assisted Vehicular Social Networks. *Chen, B.*, +, *TVT June 2020 5813-5825*
- A Distributed Mobile Fog Computing Scheme for Mobile Delay-Sensitive Applications in SDN-Enabled Vehicular Networks. *Lin, C.*, +, *TVT May 2020 5481-5493*
- A Dynamic MAP Discovery and Selection Scheme for Predictive Hierarchical MIPv6 in Vehicular Networks. *Aljeri, N.*, +, *TVT Jan. 2020 793-806*
- A Joint Scheduling and Power Control Scheme for Hybrid I2V/V2V Networks. *Nguyen, B.L.*, +, *TVT Dec. 2020 15668-15681*
- A Joint Service Migration and Mobility Optimization Approach for Vehicular Edge Computing. *Yuan, Q.*, +, *TVT Aug. 2020 9041-9052*
- A Lightweight Mutual Authentication Protocol for V2V Communication in Internet of Vehicles. *Vasudev, H.*, +, *TVT June 2020 6709-6717*
- A Low-Latency Object Detection Algorithm for the Edge Devices of IoV Systems. *Dai, C.*, +, *TVT Oct. 2020 11169-11178*
- A MIMO Detector With Deep Learning in the Presence of Correlated Interference. *Xia, J.*, +, *TVT April 2020 4492-4497*
- A More General Information Theoretic Study of Wireless Location Verification System. *Gholami, R.*, +, *TVT Sept. 2020 9938-9950*
- A Priority-Based Cross-Layer Design for Future VANETs Through Full-Duplex Technology. *Zang, J.*, +, *TVT July 2020 7531-7544*
- A Route Segmented Broadcast Protocol Based on RFID for Emergency Message Dissemination in Vehicular Ad-Hoc Networks. *Afrashteh, M.*, +, *TVT Dec. 2020 16017-16026*
- A Secure and Verifiable Data Sharing Scheme Based on Blockchain in Vehicular Social Networks. *Fan, K.*, +, *TVT June 2020 5826-5835*
- A Secure Flexible and Tampering-Resistant Data Sharing System for Vehicular Social Networks. *Sun, J.*, +, *TVT Nov. 2020 12938-12950*
- Accessibility Analysis and Modeling for IoV in an Urban Scene. *Cheng, J.*, +, *TVT April 2020 4246-4256*
- Accurate Probability Distribution Calculation for Drone-Based Highway-VANETs. *Seliem, H.*, +, *TVT Jan. 2020 1127-1130*
- Adaptive Channel Prediction, Beamforming and Scheduling Design for 5G V2I Network: Analytical and Machine Learning Approaches. *Bogale, T.E.*, +, *TVT May 2020 5055-5067*
- An Adaptive Computation Offloading Mechanism for Mobile Health Applications. *Dai, S.*, +, *TVT Jan. 2020 998-1007*
- An Efficient Decentralized Key Management Mechanism for VANET With Blockchain. *Ma, Z.*, +, *TVT June 2020 5836-5849*
- An Efficient Hybrid Signcryption Scheme With Conditional Privacy-Preservation for Heterogeneous Vehicular Communication in VANETs. *Ali, I.*, +, *TVT Oct. 2020 11266-11280*
- An Efficient Security Scheme for Vehicular Communication Using a Quantum Secret Sharing Method. *Xiao, H.*, +, *TVT Jan. 2020 1101-1105*
- An Identity-Based and Revocable Data-Sharing Scheme in VANETs. *Hornig, S.*, +, *TVT Dec. 2020 15933-15946*
- Attractor Selection Based Limited Feedback Hybrid Precoding for Uplink V2I Communications. *Ye, J.*, +, *TVT April 2020 3943-3953*
- Attribute-Based Encryption With Parallel Outsourced Decryption for Edge Intelligent IoV. *Feng, C.*, +, *TVT Nov. 2020 13784-13795*
- Blockchain Empowered Asynchronous Federated Learning for Secure Data Sharing in Internet of Vehicles. *Lu, Y.*, +, *TVT April 2020 4298-4311*
- Blockchain Empowered Cooperative Authentication With Data Traceability in Vehicular Edge Computing. *Liu, H.*, +, *TVT April 2020 4221-4232*
- Blockchain Enabled Trust-Based Location Privacy Protection Scheme in VANET. *Luo, B.*, +, *TVT Feb. 2020 2034-2048*
- Blockchain-Based Secure Data Processing Framework in Edge Envisioned V2X Environment. *Aujla, G.S.*, +, *TVT June 2020 5850-5863*

- Carrier-Phase-Based Multi-Vehicle Cooperative Positioning Using V2V Sensors. *Xiong, J.*, +, *TVT Sept. 2020 9528-9541*
- Channel Modelling and Performance Limits of Vehicular Visible Light Communication Systems. *Karbalayghareh, M.*, +, *TVT July 2020 6891-6901*
- Cluster-Enabled Cooperative Scheduling Based on Reinforcement Learning for High-Mobility Vehicular Networks. *Xia, Y.*, +, *TVT Nov. 2020 12664-12678*
- Coalition Game Based Full-Duplex Popular Content Distribution in mmWave Vehicular Networks. *Wang, Y.*, +, *TVT Nov. 2020 13836-13848*
- Communication and Computing Resource Optimization for Connected Autonomous Driving. *Xiong, K.*, +, *TVT Nov. 2020 12652-12663*
- Complex Network Analysis of VANET Topology With Realistic Vehicular Traces. *Qu, X.*, +, *TVT April 2020 4426-4438*
- Content Delivery Based on Vehicular Cloud. *Wang, X.*, +, *TVT Feb. 2020 2105-2113*
- DAGIoV: A Framework for Vehicle to Vehicle Communication Using Directed Acyclic Graph and Game Theory. *Hassija, V.*, +, *TVT April 2020 4182-4191*
- Deep Learning Empowered Traffic Offloading in Intelligent Software Defined Cellular V2X Networks. *Fan, B.*, +, *TVT Nov. 2020 13328-13340*
- Deep Reinforcement Learning-Based Adaptive Computation Offloading for MEC in Heterogeneous Vehicular Networks. *Ke, H.*, +, *TVT July 2020 7916-7929*
- Design and Prototyping of a Software Defined Vehicular Networking. *Sadio, O.*, +, *TVT Jan. 2020 842-850*
- Distributed Utility Optimization in Vehicular Communication Systems. *Diaz-Ibarra, M.A.*, +, *TVT Oct. 2020 11992-12003*
- Dual-Band Dual-CP All-Metal Antenna With Large Signal Coverage and High Isolation Over Two Bands for Vehicular Communications. *Wang, S.*, +, *TVT Jan. 2020 1131-1135*
- Dynamic Interior Point Method for Vehicular Traffic Optimization. *Guo, C.*, +, *TVT May 2020 4855-4868*
- Edge Computing-Based Privacy-Preserving Authentication Framework and Protocol for 5G-Enabled Vehicular Networks. *Zhang, J.*, +, *TVT July 2020 7940-7954*
- Edge-Facilitated Augmented Vision in Vehicle-to-Everything Networks. *Zhou, P.*, +, *TVT Oct. 2020 12187-12201*
- Efficient and Secure Location-Based Services Scheme in VANET. *Yadav, V.K.*, +, *TVT Nov. 2020 13567-13578*
- Empirical Models for the Realistic Generation of Cooperative Awareness Messages in Vehicular Networks. *Molina-Masegosa, R.*, +, *TVT May 2020 5713-5717*
- Energy-Spectral Efficiency Optimization in Vehicular Communications: Joint Clustering and Pricing-Based Robust Power Control Approach. *Xie, Y.*, +, *TVT Nov. 2020 13673-13685*
- Enhancing Misbehavior Detection in 5G Vehicle-to-Vehicle Communications. *Nguyen, V.*, +, *TVT Sept. 2020 9417-9430*
- Enhancing Video Streaming in Vehicular Networks via Resource Slicing. *Khan, H.*, +, *TVT April 2020 3513-3522*
- Ensuring Safety and Security in CAN-Based Automotive Embedded Systems: A Combination of Design Optimization and Secure Communication. *Mun, H.*, +, *TVT July 2020 7078-7091*
- ESAC: An Efficient and Secure Access Control Scheme in Vehicular Named Data Networking. *Jiang, S.*, +, *TVT Sept. 2020 10252-10263*
- Experimental Study on the Impact of Antenna Characteristics on Non-Stationary V2I Channel Parameters in Tunnels. *Yusuf, M.*, +, *TVT Nov. 2020 12396-12407*
- Federated Learning Assisted Multi-UAV Networks. *Zhang, H.*, +, *TVT Nov. 2020 14104-14109*
- Full Session Key Agreement Scheme Based on Chaotic Map in Vehicular Ad Hoc Networks. *Cui, J.*, +, *TVT Aug. 2020 8914-8924*
- Guest Editorial Introduction to the Special Section on Blockchains in Emerging Vehicular Social Networks. *Li, H.*, +, *TVT June 2020 5732-5735*
- Guest Editorial Introduction to the Special Section on Blockchains in Emerging Vehicular Social Networks. *Li, H.*, +, *TVT June 2020 5732-5735*
- Heterogeneous User-Centric Cluster Migration Improves the Connectivity-Handover Trade-Off in Vehicular Networks. *Lin, Y.*, +, *TVT Dec. 2020 16027-16043*
- Impact of Big Vehicle Shadowing on Vehicle-to-Vehicle Communications. *Nguyen, H.*, +, *TVT July 2020 6902-6915*
- Impact of Co-Channel Interference and Vehicles as Obstacles on Full-Duplex V2V Cooperative Wireless Network. *Eshteiwi, K.*, +, *TVT July 2020 7503-7517*
- Impact of Jamming Attacks on Vehicular Cooperative Adaptive Cruise Control Systems. *Alipour-Fanid, A.*, +, *TVT Nov. 2020 12679-12693*
- Impact of UAV Rotation on MIMO Channel Characterization for Air-to-Ground Communication Systems. *Ma, Z.*, +, *TVT Nov. 2020 12418-12431*
- Impacts of Constrained Sensing and Communication Based Attacks on Vehicular Platoons. *Sun, M.*, +, *TVT May 2020 4773-4787*
- Implementing Distributed TDMA Using Relative Distance in Vehicular Networks. *Deng, Y.*, +, *TVT July 2020 7295-7305*
- Index Coding in Vehicle to Vehicle Communication. *Pachat, J.*, +, *TVT Oct. 2020 11926-11936*
- Infrastructure-Less Vehicle Traffic Density Estimation via Distributed Packet Probing in V2V Network. *Shin, C.S.*, +, *TVT Oct. 2020 10403-10418*
- Inside-Out Precoding to Manage Multiple Interferences From the Same Source. *Li, Z.*, +, *TVT July 2020 7583-7595*
- Joint Bi-Static Radar and Communications Designs for Intelligent Transportation. *Cao, N.*, +, *TVT Nov. 2020 13060-13071*
- Latency and Reliability of mmWave Multi-Hop V2V Communications Under Relay Selections. *Li, Z.*, +, *TVT Sept. 2020 9807-9821*
- LDV: A Lightweight DAG-Based Blockchain for Vehicular Social Networks. *Yang, W.*, +, *TVT June 2020 5749-5759*
- Leveraging Dynamic Stackelberg Pricing Game for Multi-Mode Spectrum Sharing in 5G-VANET. *Qian, B.*, +, *TVT June 2020 6374-6387*
- Lightweight and Privacy-Preserving ID-as-a-Service Provisioning in Vehicular Cloud Computing. *Yao, Y.*, +, *TVT Feb. 2020 2185-2194*
- Link Reliability-Based Adaptive Routing for Multilevel Vehicular Networks. *Xu, C.*, +, *TVT Oct. 2020 11771-11785*
- Localizing Spoofing Attacks on Vehicular GPS Using Vehicle-to-Vehicle Communications. *Sanders, C.*, +, *TVT Dec. 2020 15656-15667*
- Low Complexity Least Minimum Symbol Error Rate Based Post-Distortion for Vehicular VLC. *Mitra, R.*, +, *TVT Oct. 2020 11800-11810*
- Low-Delay Path Selection for Cluster-Based Buffer-Aided Vehicular Communications. *Alam, M.Z.*, +, *TVT Sept. 2020 9356-9363*
- Machine Learning and Reputation Based Misbehavior Detection in Vehicular Communication Networks. *Gyawali, S.*, +, *TVT Aug. 2020 8871-8885*
- Machine Learning Enabling Analog Beam Selection for Concurrent Transmissions in Millimeter-Wave V2V Communications. *Yang, Y.*, +, *TVT Aug. 2020 9185-9189*
- Machine-Learning-Based Hazardous Spot Detection Framework by Mobile Sensing and Opportunistic Networks. *Watanabe, Y.*, +, *TVT Nov. 2020 13646-13657*
- MAAuth-CAN: Masquerade-Attack-Proof Authentication for In-Vehicle Networks. *Jo, H.J.*, +, *TVT Feb. 2020 2204-2218*
- MDP-Based Task Offloading for Vehicular Edge Computing Under Certain and Uncertain Transition Probabilities. *Zhang, X.*, +, *TVT March 2020 3296-3309*
- Measurements and Analysis of Propagation Channels in Vehicle-to-Infrastructure Scenarios. *Li, W.*, +, *TVT April 2020 3550-3561*
- Mobile Vehicles as Fog Nodes for Latency Optimization in Smart Cities. *Tang, C.*, +, *TVT Sept. 2020 9364-9375*
- Modeling and Analysis of the Downlink Local Delay in MEC-Based VANETs. *Wu, Y.*, +, *TVT June 2020 6619-6630*
- Modeling and Analysis of the Uplink Local Delay in MEC-Based VANETs. *Wu, Y.*, +, *TVT April 2020 3538-3549*
- MPPSLP: Masqueraded Probabilistic Flooding for Source-Location Privacy in VANETs. *Singh, P.K.*, +, *TVT Oct. 2020 11383-11393*
- Non-Redundant OFDM Receiver Windowing for 5G Frames and Beyond. *Pekoz, B.*, +, *TVT Jan. 2020 676-684*

- Novel Fuzzy and Game Theory Based Clustering and Decision Making for VANETs. *Alsarhan, A.*, +, *TVT Feb. 2020 1568-1581*
- On the Design of Conditional Privacy Preserving Batch Verification-Based Authentication Scheme for Internet of Vehicles Deployment. *Sutrala, A.K.*, +, *TVT May 2020 5535-5548*
- On the Performance of RIS-Assisted Dual-Hop UAV Communication Systems. *Yang, L.*, +, *TVT Sept. 2020 10385-10390*
- On Wireless Blind Spots in the C-V2X Sidelink. *Bazzi, A.*, +, *TVT Aug. 2020 9239-9243*
- Online Task Allocation and Flying Control in Fog-Aided Internet of Drones. *Yao, J.*, +, *TVT May 2020 5562-5569*
- Optimal Measurement Policy for Linear Measurement Systems With Applications to UAV Network Topology Prediction. *Razi, A.*, *TVT Feb. 2020 1970-1981*
- Parking-Area-Assisted Spider-Web Routing Protocol for Emergency Data in Urban VANET. *Liu, H.*, +, *TVT Jan. 2020 971-982*
- Performance Analysis for Uplink Transmission in User-Centric Ultra-Dense V2I Networks. *Wu, P.*, +, *TVT Sept. 2020 9342-9355*
- Performance Analysis of Bidirectional AF Based Cooperative Vehicular Networks. *Qin, D.*, +, *TVT Feb. 2020 2274-2279*
- Performance of Downlink NOMA in Vehicular Communication Networks: An Analysis Based on Poisson Line Cox Point Process. *Sun, Y.*, +, *TVT Nov. 2020 14001-14006*
- Pilot Reuse for Vehicle-to-Vehicle Underlay Massive MIMO Transmission. *You, L.*, +, *TVT May 2020 5693-5697*
- PLS-Based Secrecy Transmission for VANETs. *Song, H.*, +, *TVT July 2020 7596-7608*
- Polarization and Frequency-Selective Surface for Vehicular Beamforming Communications Requiring Near-Zero Profile. *Youn, Y.*, +, *TVT Feb. 2020 1719-1726*
- Radar Sensing-Throughput Tradeoff for Radar Assisted Cognitive Radio Enabled Vehicular Ad-Hoc Networks. *Huang, S.*, +, *TVT July 2020 7483-7492*
- Real-Time QoS Optimization for Vehicular Edge Computing With Off-Grid Roadside Units. *Ku, Y.*, +, *TVT Oct. 2020 11975-11991*
- Reinforcement Learning Based PHY Authentication for VANETs. *Lu, X.*, +, *TVT March 2020 3068-3079*
- Resource Allocation for 5G-Enabled Vehicular Networks in Unlicensed Frequency Bands. *Li, P.*, +, *TVT Nov. 2020 13546-13555*
- Resource Allocation for Intelligent Reflecting Surface Aided Vehicular Communications. *Chen, Y.*, +, *TVT Oct. 2020 12321-12326*
- Response-Time Analysis for Controller Area Networks With Randomly Occurring Messages. *Sato, R.*, +, *TVT April 2020 3893-3902*
- SDP-IGD: An Iterative Power Allocation Technique for Cluster-Based Multihop Vehicular Communications. *Alam, M.Z.*, +, *TVT July 2020 7908-7915*
- SEARCH: An SDN-Enabled Approach for Vehicle Path-Planning. *Oubbati, O.S.*, +, *TVT Dec. 2020 14523-14536*
- Secrecy Performance of Cooperative Cognitive AF Relaying Networks With Direct Links Over Mixed Rayleigh and Double-Rayleigh Fading Channels. *Pandey, A.*, +, *TVT Dec. 2020 15095-15112*
- Secrecy Rate Maximization via Radio Resource Allocation in Cellular Underlying V2V Communications. *Liu, Y.*, +, *TVT July 2020 7281-7294*
- Secure and Efficient Privacy-Preserving Authentication Scheme for 5G Software Defined Vehicular Networks. *Huang, J.*, +, *TVT Aug. 2020 8542-8554*
- Secure MIMO-SVD Communications Against Eavesdroppers With Any Number of Antennas. *Tang, J.*, +, *TVT Oct. 2020 11077-11089*
- Secure Real-Time Traffic Data Aggregation With Batch Verification for Vehicular Cloud in VANETs. *Shen, J.*, +, *TVT Jan. 2020 807-817*
- Secure SVM Training Over Vertically-Partitioned Datasets Using Consortium Blockchain for Vehicular Social Networks. *Shen, M.*, +, *TVT June 2020 5773-5783*
- Simulation Framework for Misbehavior Detection in Vehicular Networks. *Kamel, J.*, +, *TVT June 2020 6631-6643*
- Smart Proactive Caching: Empower the Video Delivery for Autonomous Vehicles in ICN-Based Networks. *Zhang, Z.*, +, *TVT July 2020 7955-7965*
- Soft-VAN: Mobility-Aware Task Offloading in Software-Defined Vehicular Network. *Misra, S.*, +, *TVT Feb. 2020 2071-2078*
- Spectral Efficiency Optimization and Interference Management for Multi-Hop D2D Communications in VANETs. *Yang, F.*, +, *TVT June 2020 6422-6436*
- Task Offloading in Vehicular Edge Computing Networks: A Load-Balancing Solution. *Zhang, J.*, +, *TVT Feb. 2020 2092-2104*
- The COST IRACON Geometry-Based Stochastic Channel Model for Vehicle-to-Vehicle Communication in Intersections. *Gustafson, C.*, +, *TVT March 2020 2365-2375*
- Toward Swarm Coordination: Topology-Aware Inter-UAV Routing Optimization. *Hong, L.*, +, *TVT Sept. 2020 10177-10187*
- TRADING: Traffic Aware Data Offloading for Big Data Enabled Intelligent Transportation System. *J. Darwish, T.S.*, +, *TVT July 2020 6869-6879*
- Traffic Differentiated Clustering Routing in DSRC and C-V2X Hybrid Vehicular Networks. *Qi, W.*, +, *TVT July 2020 7723-7734*
- Trajectory-Joint Clustering Algorithm for Time-Varying Channel Modeling. *Huang, C.*, +, *TVT Jan. 2020 1041-1045*
- Trust Based Secure Content Delivery in Vehicular Networks: A Bargaining Game Theoretical Approach. *Li, J.*, +, *TVT March 2020 3267-3279*
- Trust Management Scheme Based on Hybrid Cryptography for Secure Communications in VANETs. *Tangade, S.*, +, *TVT May 2020 5232-5243*
- Twin-Timescale Radio Resource Management for Ultra-Reliable and Low-Latency Vehicular Networks. *Yang, H.*, +, *TVT Jan. 2020 1023-1036*
- UAV Virtualization for Enabling Heterogeneous and Persistent UAV-as-a-Service. *Pathak, N.*, +, *TVT June 2020 6731-6738*
- UAV-to-Everything (U2X) Networks Relying on NOMA: A Stochastic Geometry Model. *Hou, T.*, +, *TVT July 2020 7558-7568*
- Vehicle-Assisted Data Delivery in Smart City: A Deep Learning Approach. *Liu, W.*, +, *TVT Nov. 2020 13849-13860*
- Velocity-Free Localization of Autonomous Driverless Vehicles in Underground Intelligent Mines. *Dong, L.*, +, *TVT Sept. 2020 9292-9303*
- Verifiable and Privacy-Preserving Traffic Flow Statistics for Advanced Traffic Management Systems. *Zhang, C.*, +, *TVT Sept. 2020 10336-10347*
- Verification of the Random Line-of-Sight Measurement Setup at 1.5-3 GHz Including MIMO Throughput Measurements of a Complete Vehicle. *Kildal, M.S.*, +, *TVT Nov. 2020 13165-13179*
- Virtual Drive Testing Over-the-Air for Vehicular Communications. *Ji, Y.*, +, *TVT Feb. 2020 1203-1213*
- When to Realign the Receive Beam in High Mobility V2X Communications?. *Kang, Y.*, +, *TVT Nov. 2020 13180-13195*
- WiFi-Assisted Control Traffic Offloading in Vehicular Environments. *Qin, H.*, +, *TVT April 2020 4542-4547*
- Velocity control**
- Compensation of Communication Delays in a Cooperative ACC System. *Xing, H.*, +, *TVT Feb. 2020 1177-1189*
- Coordinate Receding Horizon Control for the Power-Shift Process of Multi-speed Electric Vehicles. *Liu, Q.*, +, *TVT Jan. 2020 1055-1059*
- Deterministic Promotion Reinforcement Learning Applied to Longitudinal Velocity Control for Automated Vehicles. *Zhang, Y.*, +, *TVT Jan. 2020 338-348*
- Estimation of Transmission Input&Output Shaft Torque and Drive Wheel Speed for Compound Power Split Powertrain Based on Unknown Input Observer. *Li, M.*, +, *TVT May 2020 4883-4893*
- Impact of Jamming Attacks on Vehicular Cooperative Adaptive Cruise Control Systems. *Alipour-Fanid, A.*, +, *TVT Nov. 2020 12679-12693*
- Longitudinal Vehicle Speed Estimation for Four-Wheel-Independently-Actuated Electric Vehicles Based on Multi-Sensor Fusion. *Ding, X.*, +, *TVT Nov. 2020 12797-12806*
- Neural Networks-Based Sliding Mode Fault-Tolerant Control for High-Speed Trains With Bounded Parameters and Actuator Faults. *Dong, H.*, +, *TVT Feb. 2020 1353-1362*
- Nonlinear Motion Control for a Quadrotor Transporting a Cable-Suspended Payload. *Lu, Z.*, +, *TVT Aug. 2020 8192-8206*
- Optimal Path Planning and Speed Control Integration Strategy for UGVs in Static and Dynamic Environments. *Ren, H.*, +, *TVT Oct. 2020 10619-10629*

Racecar Longitudinal Control in Unknown and Highly-Varying Driving Conditions. *Pedone, S.*, +, *TVT Nov. 2020 12521-12535*

Short-Term Optimal Energy Management of Power-Split Hybrid Electric Vehicles Under Velocity Tracking Control. *Zhang, J.*, +, *TVT Jan. 2020 182-193*

Synthesis of Cooperative Adaptive Cruise Control With Feedforward Strategies. *Zhu, Y.*, +, *TVT April 2020 3615-3627*

Torque Vectoring and Rear-Wheel-Steering Control for Vehicle's Uncertain Slips on Soft and Slope Terrain Using Sliding Mode Algorithm. *Liang, Z.*, +, *TVT April 2020 3805-3815*

Velocity measurement

A Probability-Based Short-Term Velocity Prediction Method for Energy-Efficient Cruise Control. *Wasserburger, A.*, +, *TVT Dec. 2020 14424-14435*

A Simple and Precise Correction Method for DVL Measurements Under the Dynamic Environment. *Yao, Y.*, +, *TVT Oct. 2020 10750-10758*

Active Braking Control of Electric Vehicles to Achieve Maximal Friction Based on Fast Extremum-Seeking and Reachability. *Xu, Q.*, +, *TVT Dec. 2020 14869-14883*

IMU-Based Automated Vehicle Body Sideslip Angle and Attitude Estimation Aided by GNSS Using Parallel Adaptive Kalman Filters. *Xiong, L.*, +, *TVT Oct. 2020 10668-10680*

Ventilation

Design of Axial Flux Induction Motor With Reduced Back Iron for Electric Vehicles. *Mei, J.*, +, *TVT Jan. 2020 293-301*

Vibration control

Ride Comfort Optimization via Speed Planning and Preview Semi-Active Suspension Control for Autonomous Vehicles on Uneven Roads. *Wu, J.*, +, *TVT Aug. 2020 8343-8355*

Sensor Fault Detection and Isolation Using a Support Vector Machine for Vehicle Suspension Systems. *Jeong, K.*, +, *TVT April 2020 3852-3863*

Vibration isolation

Modelling and Vibration Analysis of a Parallel Hydraulic Hybrid Vehicle. *Zhou, S.*, +, *TVT Oct. 2020 10710-10723*

Vibrational signal processing

Vehicle Detection and Classification Using Distributed Fiber Optic Acoustic Sensing. *Liu, H.*, +, *TVT Feb. 2020 1363-1374*

Vibrations

Effective Measures to Improve Current Collection Quality for Double Pantographs and Catenary Based on Wave Propagation Analysis. *Xu, Z.*, +, *TVT June 2020 6299-6309*

Mitigating the Torque Ripple in Electric Traction Using Proportional Integral Resonant Controller. *Chuan, H.*, +, *TVT Oct. 2020 10820-10831*

Ride Comfort Optimization via Speed Planning and Preview Semi-Active Suspension Control for Autonomous Vehicles on Uneven Roads. *Wu, J.*, +, *TVT Aug. 2020 8343-8355*

Vibration Optimization of FSCW-IPM Motor Based on Iron-Core Modification for Electric Vehicles. *Wu, Z.*, +, *TVT Dec. 2020 14834-14845*

Video coding

A Hierarchical Buffer Management Approach to Rate Adaptation for 360-Degree Video Streaming. *Jiang, Z.*, +, *TVT Feb. 2020 2157-2170*

Adaptive Bitrate Streaming in Wireless Networks With Transcoding at Network Edge Using Deep Reinforcement Learning. *Guo, Y.*, +, *TVT April 2020 3879-3892*

Dynamic Resource Allocation for Scalable Video Multirate Multicast Over Wireless Networks. *Chen, S.*, +, *TVT Sept. 2020 10227-10241*

Near-Instantaneously Adaptive Multi-Set Space-Time Shift Keying for UAV-Aided Video Surveillance. *Zhang, Y.*, +, *TVT Nov. 2020 12843-12856*

Proportional-Fair Multi-User Scalable Layered Wireless Video Streaming Powered by Energy Harvesting. *Yang, J.*, +, *TVT April 2020 4460-4471*

Scalable Panoramic Wireless Video Streaming Relying on Optimal-Rate FEC-Coded Adaptive QAM. *Zhang, Y.*, +, *TVT Oct. 2020 11206-11219*

Video Caching and Transcoding in Wireless Cellular Networks With Mobile Edge Computing: A Robust Approach. *Wang, C.*, +, *TVT Aug. 2020 9234-9238*

Video communication

A Speed Adaptive Joint Subcarrier and Power Allocation Technique for Downlink OFDMA Video Transmission Over Doubly Selective Channels. *Raphel, F.*, +, *TVT Feb. 2020 1879-1887*

Proportional-Fair Multi-User Scalable Layered Wireless Video Streaming Powered by Energy Harvesting. *Yang, J.*, +, *TVT April 2020 4460-4471*

Smart Proactive Caching: Empower the Video Delivery for Autonomous Vehicles in ICN-Based Networks. *Zhang, Z.*, +, *TVT July 2020 7955-7965*

Video recording

Optimal-Power Superposition Modulation for Scalable Video Broadcasting. *Zhang, Y.*, +, *TVT Dec. 2020 16230-16234*

Video signal processing

A Low-Latency Object Detection Algorithm for the Edge Devices of IoT Systems. *Dai, C.*, +, *TVT Oct. 2020 11169-11178*

Adaptive Switching Spatial-Temporal Fusion Detection for Remote Flying Drones. *Xie, J.*, +, *TVT July 2020 6964-6976*

Crowd Estimation Using Electromagnetic Wave Power-Level Measurements: A Proof of Concept. *Tofigh, F.*, +, *TVT Jan. 2020 784-792*

Infrastructure-Less Vehicle Traffic Density Estimation via Distributed Packet Probing in V2V Network. *Shin, C.S.*, +, *TVT Oct. 2020 10403-10418*

Smoothing-Aided Support Vector Machine Based Nonstationary Video Traffic Prediction Towards 5G Networks. *Li, Y.*, +, *TVT July 2020 7493-7502*

Vision-Based Personal Safety Messages (PSMs) Generation for Connected Vehicles. *Islam, M.*, +, *TVT Sept. 2020 9402-9416*

Video streaming

A Hierarchical Buffer Management Approach to Rate Adaptation for 360-Degree Video Streaming. *Jiang, Z.*, +, *TVT Feb. 2020 2157-2170*

A Speed Adaptive Joint Subcarrier and Power Allocation Technique for Downlink OFDMA Video Transmission Over Doubly Selective Channels. *Raphel, F.*, +, *TVT Feb. 2020 1879-1887*

Adaptive Bitrate Streaming in Wireless Networks With Transcoding at Network Edge Using Deep Reinforcement Learning. *Guo, Y.*, +, *TVT April 2020 3879-3892*

Adaptive Bitrate Video Streaming in Non-Orthogonal Multiple Access Networks. *Zhang, J.*, +, *TVT April 2020 3980-3993*

An Online Buffer-Aware Resource Allocation Algorithm for Multiuser Mobile Video Streaming. *Huang, G.*, +, *TVT March 2020 3357-3369*

Dynamic Resource Allocation for Scalable Video Multirate Multicast Over Wireless Networks. *Chen, S.*, +, *TVT Sept. 2020 10227-10241*

Energy Efficiency and Delay Optimization for Edge Caching Aided Video Streaming. *Zhou, G.*, +, *TVT Nov. 2020 14116-14121*

Energy Efficient Adaptive Video Streaming With Rotary-Wing UAV. *Zhan, C.*, +, *TVT July 2020 8040-8044*

Enhancing Video Streaming in Vehicular Networks via Resource Slicing. *Khan, H.*, +, *TVT April 2020 3513-3522*

Flexible DRX Optimization for LTE and 5G. *Moradi, F.*, +, *TVT Jan. 2020 607-621*

Near-Instantaneously Adaptive Multi-Set Space-Time Shift Keying for UAV-Aided Video Surveillance. *Zhang, Y.*, +, *TVT Nov. 2020 12843-12856*

Optimal Power and Bandwidth Allocation for Multiuser Video Streaming in UAV Relay Networks. *Chen, Y.*, +, *TVT June 2020 6644-6655*

Optimizing Live Layered Video Multicasting Over LTE With Mobile Edge Computing. *Hwang, R.*, +, *TVT Oct. 2020 12072-12084*

Proportional-Fair Multi-User Scalable Layered Wireless Video Streaming Powered by Energy Harvesting. *Yang, J.*, +, *TVT April 2020 4460-4471*

QoE-Driven Transmission-Aware Cache Placement and Cooperative Beamforming Design in Cloud-RANs. *Sun, R.*, +, *TVT Jan. 2020 636-650*

Scalable Panoramic Wireless Video Streaming Relying on Optimal-Rate FEC-Coded Adaptive QAM. *Zhang, Y.*, +, *TVT Oct. 2020 11206-11219*

Smoothing-Aided Support Vector Machine Based Nonstationary Video Traffic Prediction Towards 5G Networks. *Li, Y.*, +, *TVT July 2020 7493-7502*

Streaming Delay-, Expenditure- and Quality-Balanced Video Over TV White Space. *Wang, M.*, +, *TVT April 2020 4042-4057*

Vision-Based Personal Safety Messages (PSMs) Generation for Connected Vehicles. *Islam, M.*, +, *TVT Sept. 2020 9402-9416*

Video surveillance

Near-Instantaneously Adaptive Multi-Set Space-Time Shift Keying for UAV-Aided Video Surveillance. *Zhang, Y.*, +, *TVT Nov. 2020 12843-12856*

Vision-Based Vehicle Detection for VideoSAR Surveillance Using Low-Rank Plus Sparse Three-Term Decomposition. *Zhang, Y.*, +, *TVT May 2020 4711-4726*

Virtual machines

Network Function Virtualization Resource Allocation Based on Joint Benders Decomposition and ADMM. *Yu, Y., +, TVT Feb. 2020 1706-1718*

Virtual reality

A Hierarchical Buffer Management Approach to Rate Adaptation for 360-Degree Video Streaming. *Jiang, Z., +, TVT Feb. 2020 2157-2170*

An Adaptive Wireless Virtual Reality Framework in Future Wireless Networks: A Distributed Learning Approach. *Guo, F., +, TVT Aug. 2020 8514-8528*

Virtualization

A Parking Slot Allocation Framework Based on Virtual Voting and Adaptive Pricing Algorithm. *Hassija, V., +, TVT June 2020 5945-5957*

Energy Efficiency and Delay Optimization for Edge Caching Aided Video Streaming. *Zhou, G., +, TVT Nov. 2020 14116-14121*

Hierarchical Resource Allocation in Multi-Service Wireless Networks With Wireless Network Virtualization. *Han, Y., +, TVT Oct. 2020 11811-11827*

Network Function Virtualization Resource Allocation Based on Joint Benders Decomposition and ADMM. *Yu, Y., +, TVT Feb. 2020 1706-1718*

Performance Optimization for Blockchain-Enabled Distributed Network Function Virtualization Management and Orchestration. *Fu, X., +, TVT June 2020 6670-6679*

Proactive Mobility Management With Trajectory Prediction Based on Virtual Cells in Ultra-Dense Networks. *Liu, Q., +, TVT Aug. 2020 8832-8842*

Resources Allocation at the Physical Layer for Network Function Virtualization Deployment. *Xie, N., +, TVT March 2020 2771-2784*

T-Safe: Trustworthy Service Provisioning for IoT-Based Intelligent Transport Systems. *Dass, P., +, TVT Sept. 2020 9509-9517*

UAV Virtualization for Enabling Heterogeneous and Persistent UAV-as-a-Service. *Pathak, N., +, TVT June 2020 6731-6738*

When Network Slicing Meets Prospect Theory: A Service Provider Revenue Maximization Framework. *Fantacci, R., +, TVT March 2020 3179-3189*

Visual communication

Mobile Image Communications Using Deep Neural Networks for Heterogeneous User Devices in MIMO Channels. *Chang, S., +, TVT June 2020 6359-6373*

Visual perception

Inter-Vehicle Distance Estimation Method Based on Monocular Vision Using 3D Detection. *Zhe, T., +, TVT May 2020 4907-4919*

Vivaldi antennas

Handset Frame Blockage Reduction of 5G mm-Wave Phased Arrays Using Hard Surface Inspired Structure. *Rodriguez-Cano, R., +, TVT Aug. 2020 8132-8139*

VLSI

Efficient Sparse Code Multiple Access Decoder Based on Deterministic Message Passing Algorithm. *Zhang, C., +, TVT April 2020 3562-3574*

Voltage control

An IoT and Edge Computing Based Framework for Charge Scheduling and EV Selection in V2G Systems. *Chamola, V., +, TVT Oct. 2020 10569-10580*

Development of an Electric Vehicle Synchronous Reluctance Motor Drive. *Kumar, G.V., +, TVT May 2020 5012-5024*

Energy-Efficient Speed Control of Electric Vehicles: Linear Matrix Inequality Approach. *Veyssi, M., +, TVT Oct. 2020 10469-10483*

Robust Model Predictive Current Control Based on Inductance and Flux Linkage Extraction Algorithm. *Zhang, X., +, TVT Dec. 2020 14893-14902*

Voltage measurement

A Method of State-of-Charge Estimation for EV Power Lithium-Ion Battery Using a Novel Adaptive Extended Kalman Filter. *He, Z., +, TVT Dec. 2020 14618-14630*

Voltage multipliers

Analysis and Design of a Voltage Equalizer Based on Boost Full-Bridge Inverter and Symmetrical Voltage Multiplier for Series-Connected Batteries. *Yang, X., +, TVT April 2020 3828-3840*

Voltage regulators

Demand-Aware Provisioning of Electric Vehicles Fast Charging Infrastructure. *Kabir, M.E., +, TVT July 2020 6952-6963*

Voltage-source converters

A Reconfigurable On-Board Power Converter for Electric Vehicle With Reduced Switch Count. *Meher, S.R., +, TVT April 2020 3760-3772*

W**Wave propagation**

Effective Measures to Improve Current Collection Quality for Double Pantographs and Catenary Based on Wave Propagation Analysis. *Xu, Z., +, TVT June 2020 6299-6309*

Waveform analysis

Interference Characterization and Power Optimization for Automotive Radar With Directional Antenna. *Chu, P., +, TVT April 2020 3703-3716*

SINR Analysis of Different OFDM-Inspired Waveforms Over Doubly Dispersive Channels. *Wang, X., +, TVT Sept. 2020 9459-9468*

Waveguide antenna arrays

Single-Layer Wideband End-Fire Dual-Polarized Antenna Array for Device-to-Device Communication in 5G Wireless Systems. *Li, A., +, TVT May 2020 5142-5150*

Wavelet transforms

Vehicle Detection and Classification Using Distributed Fiber Optic Acoustic Sensing. *Liu, H., +, TVT Feb. 2020 1363-1374*

Weibull distribution

Analysis of DF Relay Selection in Massive MIMO Systems With Hardware Impairments. *Kazemi, M., +, TVT June 2020 6141-6152*

Wheelchairs

Stable Autonomous Robotic Wheelchair Navigation in the Environment With Slope Way. *Wang, C., +, TVT Oct. 2020 10759-10771*

Wheels

A Novel Terramechanics-Based Path-Tracking Control of Terrain-Based Wheeled Robot Vehicle With Matched-Mismatched Uncertainties. *Taghavifar, H., +, TVT Jan. 2020 67-77*

A Robust Traction Control Platform for AWD Vehicles With AWD TMU and eLSD. *Guo, Q., TVT Aug. 2020 8395-8406*

A Universal and Reconfigurable Stability Control Methodology for Articulated Vehicles With Any Configurations. *Zhang, Y., +, TVT April 2020 3748-3759*

Active Braking Control of Electric Vehicles to Achieve Maximal Friction Based on Fast Extremum-Seeking and Reachability. *Xu, Q., +, TVT Dec. 2020 14869-14883*

Active Front Steering-Based Electronic Stability Control for Steer-by-Wire Vehicles via Terminal Sliding Mode and Extreme Learning Machine. *Zhang, J., +, TVT Dec. 2020 14713-14726*

An Energy-Saving Torque Vectoring Control Strategy for Electric Vehicles Considering Handling Stability Under Extreme Conditions. *Hu, X., +, TVT Oct. 2020 10787-10796*

Collision Imminent Steering at High Speed Using Nonlinear Model Predictive Control. *Wurts, J., +, TVT Aug. 2020 8278-8289*

Design and Experimental Evaluations on Energy-Efficient Control for 4WIMD-EVs Considering Tire Slip Energy. *Zhao, B., +, TVT Dec. 2020 14631-14644*

Design and Experimental Investigation of a Self-Tuning Piezoelectric Energy Harvesting System for Intelligent Vehicle Wheels. *Rui, X., +, TVT Feb. 2020 1440-1451*

Electric Vehicle Powertrain and Fuzzy Control Multi-Objective Optimization, Considering Dual Hybrid Energy Storage Systems. *Eckert, J.J., +, TVT April 2020 3773-3782*

Energy-Optimal Adaptive Cruise Control for Electric Vehicles Based on Linear and Nonlinear Model Predictive Control. *Jia, Y., +, TVT Dec. 2020 14173-14187*

Estimation of Transmission Input&Output Shaft Torque and Drive Wheel Speed for Compound Power Split Powertrain Based on Unknown Input Observer. *Li, M., +, TVT May 2020 4883-4893*

Inertial Navigation and Position Uncertainty During a Blind Safe Stop of an Autonomous Vehicle. *Jonasson, M., +, TVT May 2020 4788-4802*

Longitudinal Vehicle Speed Estimation for Four-Wheel-Independently-Actuated Electric Vehicles Based on Multi-Sensor Fusion. *Ding, X., +, TVT Nov. 2020 12797-12806*

- Modular Kinematic Modelling of Articulated Buses. *Michalek, M.M.*, +, *TVT Aug. 2020 8381-8394*
- Optimal Anti-Lock Braking Control With Nonlinear Variable Voltage Charging Scheme for an Electric Vehicle. *Wang, J.*, +, *TVT July 2020 7211-7222*
- Optimal Coordinated Control of ARS and DYC for Four-Wheel Steer and In-Wheel Motor Driven Electric Vehicle With Unknown Tire Model. *Wang, Q.*, +, *TVT Oct. 2020 10809-10819*
- Racecar Longitudinal Control in Unknown and Highly-Varying Driving Conditions. *Pedone, S.*, +, *TVT Nov. 2020 12521-12535*
- Rear-Steering Based Decentralized Control of Four-Wheel Steering Vehicle. *Wu, Y.*, +, *TVT Oct. 2020 10899-10913*
- Robust and Autonomous Stereo Visual-Inertial Navigation for Non-Holonomic Mobile Robots. *Chae, H.*, +, *TVT Sept. 2020 9613-9623*
- Torque Vectoring Algorithm of Electronic-Four-Wheel Drive Vehicles for Enhancement of Cornering Performance. *Park, G.*, +, *TVT April 2020 3668-3679*
- Torque Vectoring and Rear-Wheel-Steering Control for Vehicle's Uncertain Slips on Soft and Slope Terrain Using Sliding Mode Algorithm. *Liang, Z.*, +, *TVT April 2020 3805-3815*
- Vehicle Lateral Stability Control Based on Shiftable Stability Regions and Dynamic Margins. *Huang, Y.*, +, *TVT Dec. 2020 14727-14738*
- Wheel Modules With Distributed Controllers: A Multi-Agent Approach to Vehicular Control. *Tang, C.*, +, *TVT Oct. 2020 10879-10888*
- White noise**
- Heterophasic Binaural Differential Beamforming for Speech Intelligibility Improvement. *Jin, J.*, +, *TVT Nov. 2020 13497-13509*
- Target Tracking Algorithm for System With Gaussian/Non-Gaussian Multiplicative Noise. *Yu, X.*, +, *TVT Jan. 2020 90-100*
- Wide band gap semiconductors**
- Variable-Frequency Critical Soft-Switching of Wide-Bandgap Devices for Efficient High-Frequency Nonisolated DC-DC Converters. *Agrawal, B.*, +, *TVT June 2020 6094-6106*
- Wideband**
- A Study of 2D Non-Stationary Massive MIMO Channels by Transformation of Delay and Angular Power Spectral Densities. *Lopez, C.F.*, +, *TVT Dec. 2020 14212-14224*
- WiMax**
- A Dynamic MAP Discovery and Selection Scheme for Predictive Hierarchical MIPv6 in Vehicular Networks. *Aljeri, N.*, +, *TVT Jan. 2020 793-806*
- DeepChannel: Wireless Channel Quality Prediction Using Deep Learning. *Kulkarni, A.*, +, *TVT Jan. 2020 443-456*
- Wind power plants**
- Optimal Allocation of Inverter-Based WTGS Complying With Their DSTATCOM Functionality and PEV Requirements. *Ali, A.*, +, *TVT May 2020 4763-4772*
- Wind turbines**
- Optimal Allocation of Inverter-Based WTGS Complying With Their DSTATCOM Functionality and PEV Requirements. *Ali, A.*, +, *TVT May 2020 4763-4772*
- Windings**
- A Comprehensive Analysis of Short-Circuit Fault in Wound-Rotor Resolvers. *Lasjerdi, H.*, +, *TVT Dec. 2020 14884-14892*
- Design and Optimization of a Novel Dual-PM Machine for Electric Vehicle Applications. *Lin, Q.*, +, *TVT Dec. 2020 14391-14400*
- Vibration Optimization of FSCW-IPM Motor Based on Iron-Core Modification for Electric Vehicles. *Wu, Z.*, +, *TVT Dec. 2020 14834-14845*
- Wireless channels**
- 3D Drone Base Station Placement and Resource Allocation With FSO-Based Backhaul in Hotspots. *Zhang, S.*, +, *TVT March 2020 3322-3329*
- 3D-MIMO Dual Communications in SCMA-Based Secure HetNets. *Abedi, M.R.*, +, *TVT Aug. 2020 8499-8513*
- A Distributed Link Scheduler for In-Band Full Duplex Wireless Networks. *Ren, Y.*, +, *TVT May 2020 5255-5267*
- A Fast Beam Alignment Scheme for Dual-Band HSR Wireless Networks. *Yan, L.*, +, *TVT April 2020 3968-3979*
- A Framework of Multipath Clustering Based on Space-Transformed Fuzzy *c*-Means and Data Fusion for Radio Channel Modeling. *Huang, Z.*, +, *TVT Jan. 2020 4-15*
- A Fully Distributed and Clustered Learning of Power Control in User-Centric Ultra-Dense HetNets. *Makhanbet, M.*, +, *TVT Oct. 2020 11529-11543*
- A Novel Downlink Interference Alignment Method for Multi-User MIMO System With No CSIT: A Space-Time Coding Approach. *Arti, M.K.*, *TVT Oct. 2020 10937-10948*
- A Novel Probabilistic Buffer-Aided Relay Selection Scheme in Cooperative Networks. *Xu, P.*, +, *TVT April 2020 4548-4552*
- A Novelty in Blahut-Arimoto Type Algorithms: Optimal Control Over Noisy Communication Channels. *Zamanipour, M.*, *TVT June 2020 6348-6358*
- A Speed Adaptive Joint Subcarrier and Power Allocation Technique for Downlink OFDMA Video Transmission Over Doubly Selective Channels. *Raphel, F.*, +, *TVT Feb. 2020 1879-1887*
- A Wideband Non-Stationary Air-to-Air Channel Model for UAV Communications. *Ma, Z.*, +, *TVT Feb. 2020 1214-1226*
- Achievable Diversity Order of HARQ-Aided Downlink NOMA Systems. *Shi, Z.*, +, *TVT Jan. 2020 471-487*
- Achieving Positive Secrecy Rate in Wireless Multiple Access Wiretap Channels. *He, H.*, +, *TVT Aug. 2020 9121-9125*
- Adaptive Bitrate Streaming in Wireless Networks With Transcoding at Network Edge Using Deep Reinforcement Learning. *Guo, Y.*, +, *TVT April 2020 3879-3892*
- Adaptive Channel Prediction, Beamforming and Scheduling Design for 5G V2I Network: Analytical and Machine Learning Approaches. *Bogale, T.E.*, +, *TVT May 2020 5055-5067*
- Adaptive Multiuser Transmission Using Millimeter Wave Beam Alignment With User Selection. *Song, J.*, +, *TVT Aug. 2020 9140-9145*
- Adaptive Relay Selection Strategies for Cooperative NOMA Networks With User and Relay Cooperation. *Li, G.*, +, *TVT Oct. 2020 11728-11742*
- An Anti-Eavesdropping Strategy for Precoding-Aided Spatial Modulation With Rough CSI of Eve. *Xia, G.*, +, *TVT Feb. 2020 2343-2347*
- An Applicable Repeated Transmission for Low Latency and Reliable Services. *Kim, E.*, +, *TVT Aug. 2020 8468-8482*
- An Efficient Calibration of MIMO Channel Sounders With Internal Cross-talk. *Kim, J.*, +, *TVT Sept. 2020 9445-9458*
- An Online Buffer-Aware Resource Allocation Algorithm for Multiuser Mobile Video Streaming. *Huang, G.*, +, *TVT March 2020 3357-3369*
- An Optimal Policy for Hybrid Channel Access in Cognitive Radio Networks With Energy Harvesting. *Tayel, A.F.*, +, *TVT Oct. 2020 11253-11265*
- Analysis of Equal Gain Combining Over Fluctuating Two-Ray Channels With Applications to Millimeter-Wave Communications. *Hashemi, H.*, +, *TVT Feb. 2020 1751-1765*
- Antenna Selection for Improving Energy Efficiency in XL-MIMO Systems. *Marinello, J.C.*, +, *TVT Nov. 2020 13305-13318*
- Beamformer Design for Physical Layer Security in Dual-Polarized Millimeter Wave Channels. *Song, J.*, +, *TVT Oct. 2020 12306-12311*
- Bit Error Probability and Capacity Bound of OFDM Systems in Deterministic Doubly-Selective Channels. *Dominguez-Bolano, T.*, +, *TVT Oct. 2020 11458-11469*
- Blind Fast CFO Estimation and Performance Analysis for OFDM. *Meng, Y.*, +, *TVT Oct. 2020 11501-11514*
- Broad Echo State Network for Channel Prediction in MIMO-OFDM Systems. *Sui, Y.*, +, *TVT Nov. 2020 13383-13399*
- Channel Characterization and Hybrid Modeling for Millimeter-Wave Communications in Metro Train. *He, D.*, +, *TVT Nov. 2020 12408-12417*
- Channel Estimation and Hybrid Precoding for Distributed Phased Arrays Based MIMO Wireless Communications. *Zhang, Y.*, +, *TVT Nov. 2020 12921-12937*
- Characterizing Radio Wave Propagation in Urban Street Canyon With Vehicular Blockage at 28 GHz. *Solomütkii, D.*, +, *TVT Feb. 2020 1227-1236*
- Charge-and-Activate Policies for Targets Monitoring in RF-Harvesting Sensor Networks. *Fei, J.*, +, *TVT July 2020 7835-7846*
- Compressive Sensing Based Channel Estimation for Millimeter-Wave Full-Dimensional MIMO With Lens-Array. *Wan, Z.*, +, *TVT Feb. 2020 2337-2342*

- Constant-Amplitude Sequences for Spectrally Compact OFDM Training Waveforms. *Chung, C.*, +, *TVT Nov. 2020 12974-12991*
- Cooperative Scheduling for Pilot Reuse in Massive MIMO Systems. *Hua, Y.*, +, *TVT Nov. 2020 12857-12869*
- Data-Driven Deep Learning to Design Pilot and Channel Estimator for Massive MIMO. *Ma, X.*, +, *TVT May 2020 5677-5682*
- DCE-Based Secure Transmission for Massive MIMO Relay System Against Active Eavesdropper. *Lu, X.*, +, *TVT Nov. 2020 13045-13059*
- Decentralized Signal Detection via Expectation Propagation Algorithm for Uplink Massive MIMO Systems. *Zhang, Z.*, +, *TVT Oct. 2020 11233-11240*
- Deep Artificial Noise: Deep Learning-Based Precoding Optimization for Artificial Noise Scheme. *Yun, S.*, +, *TVT March 2020 3465-3469*
- Deep Learning and Compressive Sensing-Based CSI Feedback in FDD Massive MIMO Systems. *Liang, P.*, +, *TVT Aug. 2020 9217-9222*
- Deep Reinforcement Learning and Permissioned Blockchain for Content Caching in Vehicular Edge Computing and Networks. *Dai, Y.*, +, *TVT April 2020 4312-4324*
- Deep Reinforcement Learning-Based Adaptive Computation Offloading for MEC in Heterogeneous Vehicular Networks. *Ke, H.*, +, *TVT July 2020 7916-7929*
- Delayed Bit Interleaved Coded Sparse Code Multiple Access. *Mheich, Z.*, +, *TVT July 2020 8018-8022*
- Design and Analysis of CQI Feedback Reduction Mechanism for Adaptive Multicast IPTV in Wireless Cellular Networks. *Li, M.*, +, *TVT Feb. 2020 2008-2020*
- Design of Optimal Non-Uniform Quantizer in Imperfect Noisy Reporting Channels for Collaborative Spectrum Sensing. *Naderipour, M.*, +, *TVT Nov. 2020 12870-12882*
- Distributed Stable Global Broadcasting for SINR-Based Multi-Channel Wireless Multi-Hop Networks. *Tian, X.*, +, *TVT Sept. 2020 10202-10213*
- Distributive Throughput Optimization for Massive Random Access of M2M Communications in LTE Networks. *Zhang, C.*, +, *TVT Oct. 2020 11828-11840*
- Edge Intelligence for Energy-Efficient Computation Offloading and Resource Allocation in 5G Beyond. *Dai, Y.*, +, *TVT Oct. 2020 12175-12186*
- Efficient Pre-Conditioned Descent Search Detector for Massive MU-MIMO. *Zhang, C.*, +, *TVT May 2020 4663-4676*
- Efficient Sparse Code Multiple Access Decoder Based on Deterministic Message Passing Algorithm. *Zhang, C.*, +, *TVT April 2020 3562-3574*
- Energy and Social Cost Minimization for Data Dissemination in Wireless Networks: Centralized and Decentralized Approaches. *Mousavi, M.*, +, *TVT May 2020 5521-5534*
- Energy Harvesting Wireless Sensor Networks With Channel Estimation: Delay and Packet Loss Performance Analysis. *Hentati, A.*, +, *TVT Feb. 2020 1956-1969*
- Energy-Efficient and Secure Air-to-Ground Communication With Jittering UAV. *Wu, H.*, +, *TVT April 2020 3954-3967*
- Energy-Spectral Efficiency Optimization in Vehicular Communications: Joint Clustering and Pricing-Based Robust Power Control Approach. *Xie, Y.*, +, *TVT Nov. 2020 13673-13685*
- Enhanced Sparse Vector Coding for Ultra-Reliable and Low Latency Communications. *Kim, W.*, +, *TVT May 2020 5698-5702*
- Enhancing Video Streaming in Vehicular Networks via Resource Slicing. *Khan, H.*, +, *TVT April 2020 3513-3522*
- Experimental Study on the Impact of Antenna Characteristics on Non-Stationary V2I Channel Parameters in Tunnels. *Yusuf, M.*, +, *TVT Nov. 2020 12396-12407*
- Federated Learning Assisted Multi-UAV Networks. *Zhang, H.*, +, *TVT Nov. 2020 14104-14109*
- FIT: On-the-Fly, In-Situ Training for SNR-Based Rate Selection. *Liu, H.*, +, *TVT Oct. 2020 11295-11307*
- Fountain-Coding Aided Secure Transmission With Delay and Content Awareness. *Sun, L.*, +, *TVT July 2020 7992-7997*
- Full Session Key Agreement Scheme Based on Chaotic Map in Vehicular Ad Hoc Networks. *Cui, J.*, +, *TVT Aug. 2020 8914-8924*
- Full-Duplex Amplify-and-Forward Relaying Under I/Q Imbalance. *Samara, L.*, +, *TVT July 2020 7966-7970*
- Full-Duplex and Backhaul-Constrained UAV-Enabled Networks Using NOMA. *Youssef, M.*, +, *TVT Sept. 2020 9667-9681*
- Gaussian Mixture Based Context-Aware Short-Term Characterization of Wireless Channels. *Mukherjee, P.*, +, *TVT Jan. 2020 26-40*
- Geometric Analysis of the Doppler Frequency for General Non-Stationary 3D Mobile-to-Mobile Channels Based on Prolate Spheroidal Coordinates. *Walter, M.*, +, *TVT Oct. 2020 10419-10434*
- Groupwise Neighbor Examination for Tabu Search Detection in Large MIMO Systems. *Nguyen, N.T.*, +, *TVT Jan. 2020 1136-1140*
- Guaranteeing Information Transfer Integrity Through Two Non-Colluding Malicious Nodes Against i.i.d. Attacks. *Zheng, X.*, +, *TVT Nov. 2020 14099-14103*
- Hierarchical Resource Allocation in Multi-Service Wireless Networks With Wireless Network Virtualization. *Han, Y.*, +, *TVT Oct. 2020 11811-11827*
- High-Resolution Angle-of-Arrival and Channel Estimation for mmWave Massive MIMO Systems With Lens Antenna Array. *Dong, F.*, +, *TVT Nov. 2020 12963-12973*
- Hybrid Beamforming With Variable RF Attenuator for Multi-User mmWave Systems. *Lee, J.*, +, *TVT Aug. 2020 9131-9134*
- Hybrid Precoding for Multiuser Millimeter Wave Massive MIMO Systems: A Deep Learning Approach. *Elbir, A.M.*, +, *TVT Jan. 2020 552-563*
- Impact of UAV Rotation on MIMO Channel Characterization for Air-to-Ground Communication Systems. *Ma, Z.*, +, *TVT Nov. 2020 12418-12431*
- Improper Gaussian Signaling for Computationally Tractable Energy and Information Beamforming. *Yu, H.*, +, *TVT Nov. 2020 13990-13995*
- Improper Gaussian Signaling for the K -User MIMO Interference Channels With Hardware Impairments. *Soleymani, M.*, +, *TVT Oct. 2020 11632-11645*
- Incremental Decode-and-Forward Protocols for D2D Communication: A Diversity-Multiplexing-Tradeoff Perspective. *Yang, T.*, +, *TVT Nov. 2020 13927-13931*
- Integrating Broadcasting and NOMA in Full-Duplex Buffer-Aided Opportunistic Relay Networks. *Nomikos, N.*, +, *TVT Aug. 2020 9157-9162*
- Joint Beamforming Design and Receive Antenna Selection for Large-Scale MIMO Wiretap Channels. *Tian, M.*, +, *TVT March 2020 2716-2730*
- Joint Long-Term Admission Control and Beamforming in Green Downlink Networks: Offline and Online Approaches. *Lin, J.*, +, *TVT Aug. 2020 8710-8724*
- Joint OAM Multiplexing and OFDM in Sparse Multipath Environments. *Liang, L.*, +, *TVT April 2020 3864-3878*
- Joint Power and Subcarrier Allocation Optimization for Multigroup Multicast Systems With Rate Splitting. *Chen, H.*, +, *TVT Feb. 2020 2306-2310*
- Joint Radar-Communication With Cyclic Prefixed Single Carrier Waveforms. *Zeng, Y.*, +, *TVT April 2020 4069-4079*
- Joint Transmit Power and Placement Optimization for URLLC-Enabled UAV Relay Systems. *Ren, H.*, +, *TVT July 2020 8003-8007*
- Joint Unmanned Aerial Vehicle (UAV) Deployment and Power Control for Internet of Things Networks. *Fu, S.*, +, *TVT April 2020 4367-4378*
- Joint Uplink/Downlink Discrete Sum Rate Maximization for Full-Duplex Multicell Heterogeneous Networks. *Li, Q.*, +, *TVT March 2020 2758-2770*
- Joint User Pairing, Subchannel Assignment and Power Allocation in Cooperative Non-Orthogonal Multiple Access Networks. *Lamba, A.K.*, +, *TVT Oct. 2020 11790-11799*
- Learn to Color: Fast Response to Perturbation in UAV-Assisted Disaster Relief Networks. *Wang, B.*, +, *TVT March 2020 3505-3509*
- Learning and Uncertainty-Exploited Directional Antenna Control for Robust Long-Distance and Broad-Band Aerial Communication. *Liu, M.*, +, *TVT Jan. 2020 593-606*
- Learning to Bond in Dense WLANs With Random Traffic Demands. *Luo, Y.*, +, *TVT Oct. 2020 11868-11879*
- Learning-Based Multi-Channel Access in 5G and Beyond Networks With Fast Time-Varying Channels. *Wang, S.*, +, *TVT May 2020 5203-5218*
- Link-Signature-Based Discriminatory Channel Estimation (LS-DCE) for Physical Layer Security in Stationary and Mobile OFDM Transceivers. *Albehadli, A.*, +, *TVT Aug. 2020 8119-8131*

- Low-Complexity Beam Training for 5G Millimeter-Wave Massive MIMO Systems. *Wu, W.*, +, *TVT Jan. 2020 361-376*
- Low-Complexity Equalization of MIMO-OSDM. *Han, J.*, +, *TVT Feb. 2020 2301-2305*
- Machine Learning Enabling Analog Beam Selection for Concurrent Transmissions in Millimeter-Wave V2V Communications. *Yang, Y.*, +, *TVT Aug. 2020 9185-9189*
- Mobility-Aware Subband and Beam Resource Allocation Schemes for Millimeter Wave Wireless Networks. *Shen, L.*, +, *TVT Oct. 2020 11893-11908*
- Multi-Beam Index Modulation With Cooperative Legitimate Users Schemes Based on Frequency Diverse Array. *Qiu, B.*, +, *TVT Oct. 2020 11028-11041*
- Multi-User Linear Precoding in Massively Distributed Polarized Antenna Systems Under Imperfect CSIT. *Park, J.*, +, *TVT May 2020 5268-5280*
- Multi-Variations Activity Based Gaits Recognition Using Commodity WiFi. *Fei, H.*, +, *TVT Feb. 2020 2263-2273*
- Multicast Beamforming Optimization in Cloud-Based Heterogeneous Terrestrial and Satellite Networks. *Zhang, H.*, +, *TVT Feb. 2020 1766-1776*
- Multuser Precoding for Sum-Rate Maximization in Relay-Aided mmWave Communications. *Yalcin, A.Z.*, +, *TVT June 2020 6808-6812*
- Named Data Networking Enabled Power Saving Mode Design for WLAN. *Wu, F.*, +, *TVT Jan. 2020 901-913*
- On Angular Sampling Intervals for Reconstructing Wideband Channel Spatial Profiles in Directional Scanning Measurements. *Fan, W.*, +, *TVT Nov. 2020 13910-13915*
- On Bounds and Closed-Form Expressions for Capacities of Discrete Memoryless Channels With Invertible Positive Matrices. *Nguyen, T.*, +, *TVT Sept. 2020 9910-9920*
- On the Fairness of the Coexisting LTE-U and WiFi Networks Sharing Multiple Unlicensed Channels. *Hu, H.*, +, *TVT Nov. 2020 13890-13904*
- On the Physical Layer Security of Millimeter Wave NOMA Networks. *Huang, S.*, +, *TVT Oct. 2020 11697-11711*
- On Uplink Performance of Multiuser Massive MIMO Relay Network With Limited RF Chains. *Xu, J.*, +, *TVT Aug. 2020 8670-8683*
- On Wireless Blind Spots in the C-V2X Sidelink. *Bazzi, A.*, +, *TVT Aug. 2020 9239-9243*
- Optimal Training Design for MIMO Amplify-and-Forward Two-Way Relay Systems in the Presence of Interference. *Chun, C.*, +, *TVT May 2020 5151-5163*
- Outage Analysis for MISO Zero-Forcing Precoding With Outdated CSI. *Liu, G.*, +, *TVT Aug. 2020 9152-9156*
- Outage of Cognitive Electric Vehicle Networks Over Mixed RF/VLC Channels With Signal-Dependent Noise and Imperfect CSI. *Nauryzbayev, G.*, +, *TVT June 2020 6828-6832*
- Oversampling Based Analog Beamforming for Initial Access With a Large Number of Receive Antennas. *Wang, X.*, +, *TVT Aug. 2020 8613-8626*
- Pair Auction and Matching for Resource Allocation in Full-Duplex Cellular Systems. *Chao, C.*, +, *TVT April 2020 4325-4339*
- Parameter Estimation of Fluctuating Two-Ray Model for Next Generation Mobile Communications. *Shi, B.*, +, *TVT Aug. 2020 8684-8697*
- Performance Analysis and Optimization of Bidirectional Overlay Cognitive Radio Networks With Hybrid-SWIPT. *Prathima, A.*, +, *TVT Nov. 2020 13467-13481*
- Performance Analysis for Uplink Transmission in User-Centric Ultra-Dense V2I Networks. *Wu, P.*, +, *TVT Sept. 2020 9342-9355*
- Performance Analysis of Hybrid Beamforming Precoders for Multiuser Millimeter Wave NOMA Systems. *Badrudeen, A.A.*, +, *TVT Aug. 2020 8739-8752*
- Performance Analysis of NOMA Enabled Hybrid Network With Limited Feedback. *Swami, P.*, +, *TVT April 2020 4516-4521*
- Performance Analysis of Spatial Modulation Aided NOMA With Full-Duplex Relay. *Si, Q.*, +, *TVT May 2020 5683-5687*
- Performance of Distributed Massive MIMO and Small-Cell Systems Under Hardware and Channel Impairments. *Elhoushy, S.*, +, *TVT Aug. 2020 8627-8642*
- Physical Layer Security for Multiuser Satellite Communication Systems With Threshold-Based Scheduling Scheme. *Guo, K.*, +, *TVT May 2020 5129-5141*
- Pilot Design for BEM-Based Channel Estimation in Doubly Selective Channel. *Anand, K.*, +, *TVT Feb. 2020 1679-1694*
- Power Optimization for Enhancing Secrecy of Cooperative User Relaying NOMA Networks. *Cao, Y.*, +, *TVT July 2020 8008-8012*
- Power Splitting-Based SWIPT Systems With Full-Duplex Jamming. *Ma, R.*, +, *TVT Sept. 2020 9822-9836*
- Preamble Power Optimization Based on Intrinsic Interference Utilization for OQAM/FBMC Channel Estimation. *Liu, W.*, +, *TVT Nov. 2020 13556-13566*
- Precoding Design and Optimization for Multi-Antenna Systems With Limited Feedback. *Zou, Y.*, *TVT July 2020 7306-7316*
- Proportional-Fair Multi-User Scalable Layered Wireless Video Streaming Powered by Energy Harvesting. *Yang, J.*, +, *TVT April 2020 4460-4471*
- Push the Limit of Multipath Profiling Using Commodity WiFi Devices With Limited Bandwidth. *Xue, H.*, +, *TVT April 2020 4142-4154*
- QoE-Driven Intelligent Handover for User-Centric Mobile Satellite Networks. *Xu, H.*, +, *TVT Sept. 2020 10127-10139*
- Realistic Channel Estimation of IEEE 802.11af Systems in TV White Space. *Basaran, M.*, +, *TVT Oct. 2020 11066-11076*
- Reconfigurable Intelligent Surfaces Assisted Communications With Limited Phase Shifts: How Many Phase Shifts Are Enough?. *Zhang, H.*, +, *TVT April 2020 4498-4502*
- Research on Cognitive Power Allocation for Secure Millimeter-Wave NOMA Networks. *Song, Y.*, +, *TVT Nov. 2020 13424-13436*
- Robust Secure Transmission and Power Transfer in Heterogeneous Networks With Confidential Information. *Liu, Z.*, +, *TVT Oct. 2020 11192-11205*
- Secrecy Performance Analysis of UAV Assisted Relay Transmission for Cognitive Network With Energy Harvesting. *Ji, B.*, +, *TVT July 2020 7404-7415*
- Secrecy Performance of NOMA Systems With Energy Harvesting and Full-Duplex Relaying. *Guo, C.*, +, *TVT Oct. 2020 12301-12305*
- Secure Communication With Outdated Channel State Information via Untrusted Relay Capable of Energy Harvesting. *Lim, J.*, +, *TVT Oct. 2020 11323-11337*
- Secure Degrees of Freedom of Rank-Deficient BCCM and Rank-Deficient ICCM. *Wang, Q.*, +, *TVT April 2020 4033-4041*
- Secure Index-Modulation Based Hybrid Free Space Optical and Millimeter Wave Links. *Althunibat, S.*, +, *TVT June 2020 6325-6332*
- Secure MIMO-SVD Communications Against Eavesdroppers With Any Number of Antennas. *Tang, J.*, +, *TVT Oct. 2020 11077-11089*
- Secure Outage Analysis for Cooperative NOMA Systems With Antenna Selection. *Pei, X.*, +, *TVT April 2020 4503-4507*
- Secure Single-Input-Multiple-Output Media-Based Modulation. *Mao, T.*, +, *TVT April 2020 4105-4117*
- Secure Spatial Modulation via Radio Frequency Mirrors. *Luo, J.*, +, *TVT Aug. 2020 9168-9173*
- Securing OFDM-Based NOMA SWIPT Systems. *Badawy, A.*, +, *TVT Oct. 2020 12343-12347*
- Security Enhancement Using a Novel Two-Slot Cooperative NOMA Scheme. *Chen, B.*, +, *TVT March 2020 3470-3475*
- Semi-Blind Post-Equalizer SINR Estimation and Dual CSI Feedback for Radar-Cellular Coexistence. *Rao, R.M.*, +, *TVT Sept. 2020 9720-9735*
- SINR Analysis of Different OFDM-Inspired Waveforms Over Doubly Dispersive Channels. *Wang, X.*, +, *TVT Sept. 2020 9459-9468*
- Spatial Modulation for Terahertz Communication Systems With Hardware Impairments. *Mao, T.*, +, *TVT April 2020 4553-4557*
- Spectral Coexistence of LDACS and DME: Analysis via Hardware Software Co-Design in Presence of Real Channels and RF Impairments. *Agrawal, N.*, +, *TVT Sept. 2020 9837-9848*
- State-Aware Rate Adaptation for UAVs by Incorporating On-Board Sensors. *He, S.*, +, *TVT Jan. 2020 488-496*
- STBC-Aided Cooperative NOMA With Timing Offsets, Imperfect Successive Interference Cancellation, and Imperfect Channel State Information. *Akhtar, M.W.*, +, *TVT Oct. 2020 11712-11727*
- Streaming Delay-, Expenditure- and Quality-Balanced Video Over TV White Space. *Wang, M.*, +, *TVT April 2020 4042-4057*

- Sum-Rate Maximization of Multicell MISO Networks With Limited Information Exchange. *Kim, Y.*, +, *TVT July 2020 7247-7263*
- Sum-Throughput Maximization Based on the Significance and Fairness of Sensors for Energy and Information Transfer in Virtual MIMO-WBAN. *Wang, T.*, +, *TVT Nov. 2020 13400-13409*
- The Comparative Study of S-V Model Between 3.5 and 28 GHz in Indoor and Outdoor Scenarios. *Jiang, T.*, +, *TVT March 2020 2351-2364*
- The COST IRACON Geometry-Based Stochastic Channel Model for Vehicle-to-Vehicle Communication in Intersections. *Gustafson, C.*, +, *TVT March 2020 2365-2375*
- Throughput Analysis of Low-Latency IoT Systems With QoS Constraints and Finite Blocklength Codes. *Hu, Y.*, +, *TVT March 2020 3093-3104*
- Towards Massive MIMO Channel Emulation: Channel Accuracy Versus Implementation Resources. *Huang, P.*, +, *TVT May 2020 4635-4651*
- Transceiver Design for AF MIMO Relay Systems With a Power Splitting Based Energy Harvesting Relay Node. *Li, B.*, +, *TVT March 2020 2376-2388*
- UAV Beam Alignment for Highly Mobile Millimeter Wave Communications. *Zhang, W.*, +, *TVT Aug. 2020 8577-8585*
- User Grouping and Hybrid RF/Baseband Precoding for Multi-User Massive MIMO Systems. *Masmoudi, A.*, +, *TVT Oct. 2020 11308-11322*
- UWB System for Indoor Positioning and Tracking With Arbitrary Target Orientation, Optimal Anchor Location, and Adaptive NLOS Mitigation. *Chen, Y.*, +, *TVT Sept. 2020 9304-9314*
- Virtual Drive Testing Over-the-Air for Vehicular Communications. *Ji, Y.*, +, *TVT Feb. 2020 1203-1213*
- When to Realign the Receive Beam in High Mobility V2X Communications?. *Kang, Y.*, +, *TVT Nov. 2020 13180-13195*
- Wideband Ultrasonic Acoustic Underwater Channels: Measurements and Characterization. *Lopez-Fernandez, J.*, +, *TVT April 2020 4019-4032*

Wireless communication

- A Novel Drone's Height Control Algorithm for Throughput Optimization in Disaster Resilient Network. *Ishigami, M.*, +, *TVT Dec. 2020 16188-16190*
- Achieving Covert Communication in Overlay Cognitive Radio Networks. *Chen, R.*, +, *TVT Dec. 2020 15113-15126*
- Adaptive Federated Learning With Gradient Compression in Uplink NOMA. *Sun, H.*, +, *TVT Dec. 2020 16325-16329*
- An Autonomous Transmission Scheme Using Dueling DQN for D2D Communication Networks. *Ban, T.*, *TVT Dec. 2020 16348-16352*
- An FSO-Based Drone Charging System for Emergency Communications. *Wu, D.*, +, *TVT Dec. 2020 16155-16162*
- Analysis of Traffic Performance on Network Slicing Using Complex Network Theory. *Guan, W.*, +, *TVT Dec. 2020 15188-15199*
- Analyzing the Impact of Molecular Re-Radiation on the MIMO Capacity in High-Frequency Bands. *Hoseini, S.A.*, +, *TVT Dec. 2020 15458-15471*
- Corrections to "Energy-Efficient and Secure Air-to-Ground Communication With Jittering UAV". *Wu, H.*, +, *TVT Sept. 2020 10397*
- Deep Learning Aided Spectrum Prediction for Satellite Communication Systems. *Ding, X.*, +, *TVT Dec. 2020 16314-16319*
- Detection Performance to Spatially Random UAV Using the Ground Vehicle. *Wang, K.*, +, *TVT Dec. 2020 16320-16324*
- Energy Efficient Relay Selection and Resource Allocation in D2D-Enabled Mobile Edge Computing. *Li, Y.*, +, *TVT Dec. 2020 15800-15814*
- Energy-Efficient and Delay-Fair Mobile Computation Offloading. *Mu, S.*, +, *TVT Dec. 2020 15746-15759*
- Hybrid Multicast/Unicast Design in NOMA-Based Vehicular Caching System. *Pei, X.*, +, *TVT Dec. 2020 16304-16308*
- Multi-Level Sequence-Based Frequency-Hopping in Multi-Cell Networks. *Zeng, Q.*, +, *TVT Dec. 2020 16282-16287*
- On Distance Statistics of First Arriving Multi-Paths in Indoor mm-Wave Communications. *R. T. R.*, +, *TVT Dec. 2020 16218-16223*
- On the Performance of MIMO Full-Duplex Relaying System With SWIPT Under Outdated CSI. *Hoang, T.M.*, +, *TVT Dec. 2020 15580-15593*
- On The Secrecy Performance Over N-Wave With Diffuse Power Fading Channel. *Sanchez, J.D.V.*, +, *TVT Dec. 2020 15137-15148*
- Optimal Control Design for Connected Cruise Control With Stochastic Communication Delays. *Wang, Z.*, +, *TVT Dec. 2020 15357-15369*

- Optimal Resource Allocation for RF-Powered Underlay Cognitive Radio Networks With Ambient Backscatter Communication. *Zhuang, Y.*, +, *TVT Dec. 2020 15216-15228*
- Optimal Selection of Heterogeneous Network Interfaces for High-Speed Rail Communications. *Liu, B.*, +, *TVT Dec. 2020 15005-15018*
- Passive Radar at the Roadside Unit to Configure Millimeter Wave Vehicle-to-Infrastructure Links. *Ali, A.*, +, *TVT Dec. 2020 14903-14917*
- Seamless Mobility Under a Dedicated Distributed Antenna System for High-Speed Rail Networks. *Ali, W.*, +, *TVT Dec. 2020 15427-15441*
- Throughput of CDM-Based Random Access With SINR Capture. *Choi, H.*, +, *TVT Dec. 2020 15046-15056*
- UAV-Enabled Secure Communication With Finite Blocklength. *Wang, Y.*, +, *TVT Dec. 2020 16309-16313*

Wireless communications

- Power Scaling of Full-Duplex Two-Way Millimeter-Wave Relay With Massive MIMO. *Zhang, Y.*, +, *TVT Dec. 2020 15298-15313*

Wireless fidelity

- GCH-MV: Game-Enhanced Compensation Handover Scheme for Multipath TCP in 6G Software Defined Vehicular Networks. *Gao, K.*, +, *TVT Dec. 2020 16142-16154*
- RF Fingerprinting Unmanned Aerial Vehicles With Non-Standard Transmitter Waveforms. *Soltani, N.*, +, *TVT Dec. 2020 15518-15531*

Wireless LAN

- A Comprehensive Access Point Placement for IoT Data Transmission Through Train-Wayside Communications in Multi-Environment Based Rail Networks. *Saki, M.*, +, *TVT Oct. 2020 11937-11949*
- A Device-Free Intelligent Alarm System Based on the Channel State Information. *Yang, X.*, +, *TVT Oct. 2020 11419-11427*
- A Dynamic MAP Discovery and Selection Scheme for Predictive Hierarchical MIPv6 in Vehicular Networks. *Aljeri, N.*, +, *TVT Jan. 2020 793-806*
- A Novel Drone's Height Control Algorithm for Throughput Optimization in Disaster Resilient Network. *Ishigami, M.*, +, *TVT Dec. 2020 16188-16190*
- A Pointer Network Based Deep Learning Algorithm for User Pairing in Full-Duplex Wi-Fi Networks. *Zhang, Y.*, +, *TVT Oct. 2020 12363-12368*
- A Wideband Beamforming Antenna Array for 802.11ac and 4.9 GHz in Modern Transportation Market. *Tan, M.C.*, +, *TVT March 2020 2659-2670*
- A WLAN Uplink Collision-Resolving Scheme Using Multi-User Beamforming Technique. *Lee, Y.*, +, *TVT Oct. 2020 11042-11054*
- Accurate Indoor Localization Assisted With Optimizing Array Orientations and Receiver Positions. *Sheng, M.*, +, *TVT Jan. 2020 509-521*
- An Accurate Device-Free Action Recognition System Using Two-Stream Network. *Sheng, B.*, +, *TVT July 2020 7930-7939*
- Analysis of Clustered Licensed-Assisted Access in Unlicensed Spectrum. *Hu, Z.*, +, *TVT Jan. 2020 349-360*
- Augmenting Transmission Environments for Better Communications: Tunable Reflector Assisted MmWave WLANs. *Zhang, L.*, +, *TVT July 2020 7416-7428*
- Channel-Dependent Scheduling in Wireless Energy Transfer for Mobile Devices. *Fang, W.*, +, *TVT March 2020 3330-3340*
- Computational Complexity Closed-Form Upper Bounds Derivation for Fingerprint-Based Point-of-Interest Recognition Algorithms. *Bisio, I.*, +, *TVT Aug. 2020 9083-9096*
- Coordinated Multiple Access Point Multiuser Beamforming Training Protocol for Millimeter Wave WLANs. *Shen, L.*, +, *TVT Nov. 2020 13875-13889*
- Crowd Estimation Using Electromagnetic Wave Power-Level Measurements: A Proof of Concept. *Tofigh, F.*, +, *TVT Jan. 2020 784-792*
- Deep Reinforcement Learning Aided Intelligent Access Control in Energy Harvesting Based WLAN. *Zhao, Y.*, +, *TVT Nov. 2020 14078-14082*
- DeepChannel: Wireless Channel Quality Prediction Using Deep Learning. *Kulkarni, A.*, +, *TVT Jan. 2020 443-456*
- Design and Analysis of Multi-User Association and Beam Training Schemes for Millimeter Wave Based WLANs. *Shen, L.*, +, *TVT July 2020 7458-7472*
- Design and Prototyping of a Software Defined Vehicular Networking. *Sadio, O.*, +, *TVT Jan. 2020 842-850*
- Device-Free Multi-Person Respiration Monitoring Using WiFi. *Gao, Q.*, +, *TVT Nov. 2020 14083-14087*

Distributed Utility Optimization in Vehicular Communication Systems. *Diaz-Ibarra, M.A.*, +, *TVT Oct. 2020 11992-12003*

Eight-Diagram Based Access Point Selection Algorithm for Indoor Localization. *Xue, W.*, +, *TVT Nov. 2020 13196-13205*

Improving TCP Performance Over WiFi for Internet of Vehicles: A Federated Learning Approach. *Pokhrel, S.R.*, +, *TVT June 2020 6798-6802*

Joint Radar-Communication With Cyclic Prefixed Single Carrier Waveforms. *Zeng, Y.*, +, *TVT April 2020 4069-4079*

Learning RSSI Feature via Ranking Model for Wi-Fi Fingerprinting Localization. *Chen, P.*, +, *TVT Feb. 2020 1695-1705*

Learning to Bond in Dense WLANs With Random Traffic Demands. *Luo, Y.*, +, *TVT Oct. 2020 11868-11879*

Location Based Joint Spectrum Sensing and Radio Resource Allocation in Cognitive Radio Enabled LTE-U Systems. *Yang, Q.*, +, *TVT March 2020 2967-2979*

Mobility-Aware Femtocaching Algorithm in D2D Networks Based on Handover. *HajiAkhondi-Meybodi, Z.*, +, *TVT Sept. 2020 10188-10201*

Multi-Variations Activity Based Gaits Recognition Using Commodity WiFi. *Fei, H.*, +, *TVT Feb. 2020 2263-2273*

Named Data Networking Enabled Power Saving Mode Design for WLAN. *Wu, F.*, +, *TVT Jan. 2020 901-913*

Neighbor Discovery Based on Cross-Technology Communication for Mobile Applications. *Gao, D.*, +, *TVT Oct. 2020 11179-11191*

On Distance Statistics of First Arriving Multi-Paths in Indoor mm-Wave Communications. *R. T., R.*, +, *TVT Dec. 2020 16218-16223*

On the Fairness of the Coexisting LTE-U and WiFi Networks Sharing Multiple Unlicensed Channels. *Hu, H.*, +, *TVT Nov. 2020 13890-13904*

On the Performance of LTE/Wi-Fi Dual-Mode Uplink Transmission: Connection Probability Versus Energy Efficiency. *Zhang, J.*, +, *TVT Oct. 2020 11152-11168*

Performance Analysis and Enhancement of Beamforming Training in 802.11ad. *Wu, W.*, +, *TVT May 2020 5293-5306*

Performance Modeling of an LTE LAA and WiFi Coexistence System Using the LAA Category-4 LBT Procedure and 802.11e EDCA Mechanism. *Zheng, J.*, +, *TVT June 2020 6603-6618*

Practical Machine Learning-Based Rate Adaptation Solution for Wi-Fi NICs: IEEE 802.11ac as a Case Study. *Li, C.*, +, *TVT Sept. 2020 10264-10277*

Predicted Decoupling for Coexistence Between WiFi and LTE in Unlicensed Band. *Tian, F.*, +, *TVT April 2020 4130-4141*

Preserving Privacy in WiFi Localization With Plausible Dummy Locations. *Zhao, P.*, +, *TVT Oct. 2020 11909-11925*

Push the Limit of Multipath Profiling Using Commodity WiFi Devices With Limited Bandwidth. *Xue, H.*, +, *TVT April 2020 4142-4154*

Realistic Channel Estimation of IEEE 802.11af Systems in TV White Space. *Basaran, M.*, +, *TVT Oct. 2020 11066-11076*

Reinforcement Learning for Efficient and Fair Coexistence Between LTE-LAA and Wi-Fi. *Han, M.*, +, *TVT Aug. 2020 8764-8776*

Resource Allocation for 5G-Enabled Vehicular Networks in Unlicensed Frequency Bands. *Li, P.*, +, *TVT Nov. 2020 13546-13555*

SatOpt Partition: Dividing Throughput-Stability Region for IEEE 802.11 DCF Networks. *Zhao, Q.*, +, *TVT Sept. 2020 10278-10290*

Towards Anti-Interference Human Activity Recognition Based on WiFi Sub-carrier Correlation Selection. *Huang, J.*, +, *TVT June 2020 6739-6754*

WiFi-Assisted Control Traffic Offloading in Vehicular Environments. *Qin, H.*, +, *TVT April 2020 4542-4547*

Wireless networks

Incentive Mechanism for Cooperative Localization in Wireless Networks. *Zhu, Y.*, +, *TVT Dec. 2020 15920-15932*

IoV Scenario: Implementation of a Bandwidth Aware Algorithm in Wireless Network Communication Mode. *Zhang, P.*, +, *TVT Dec. 2020 15774-15785*

Strategy-Proof Spectrum Allocation Among Multiple Operators in Wireless Networks. *Yadav, I.*, +, *TVT Dec. 2020 15964-15977*

Wireless power transfer

Incentivizing Resource Cooperation for Blockchain Empowered Wireless Power Transfer in UAV Networks. *Jiang, L.*, +, *TVT Dec. 2020 15828-15841*

New Integrated Tripolar Pad Using Double-Sided LCC Compensation for Wireless Power Transfer. *Mosammam, B.M.*, +, *TVT Dec. 2020 15633-15643*

Wireless sensor networks

A Direct Position Determination Approach for Underwater Acoustic Sensor Networks. *Wang, L.*, +, *TVT Nov. 2020 13033-13044*

A Dynamic Trust Evaluation and Update Mechanism Based on C4.5 Decision Tree in Underwater Wireless Sensor Networks. *Jiang, J.*, +, *TVT Aug. 2020 9031-9040*

A Geometric Approach for Distributed Multi-Hop Target Localization in Cooperative Networks. *Tomic, S.*, +, *TVT Jan. 2020 914-919*

A Node Location Algorithm Based on Node Movement Prediction in Underwater Acoustic Sensor Networks. *Zhang, W.*, +, *TVT March 2020 3166-3178*

An Accurate Device-Free Action Recognition System Using Two-Stream Network. *Sheng, B.*, +, *TVT July 2020 7930-7939*

Anti-Jamming 3D Trajectory Design for UAV-Enabled Wireless Sensor Networks Under Probabilistic LoS Channel. *Duo, B.*, +, *TVT Dec. 2020 16288-16293*

AUV-Aided Localization for Underwater Acoustic Sensor Networks With Current Field Estimation. *Yan, J.*, +, *TVT Aug. 2020 8855-8870*

Cellular Clustering-Based Interference-Aware Data Transmission Protocol for Underwater Acoustic Sensor Networks. *Zhang, J.*, +, *TVT March 2020 3217-3230*

Certificateless and Lightweight Authentication Scheme for Vehicular Communication Networks. *Hathal, W.*, +, *TVT Dec. 2020 16110-16125*

Charge-and-Activate Policies for Targets Monitoring in RF-Harvesting Sensor Networks. *Fei, J.*, +, *TVT July 2020 7835-7846*

Complex-Valued Networks for Automatic Modulation Classification. *Tu, Y.*, +, *TVT Sept. 2020 10085-10089*

Distributed Direct Position Determination. *Ma, F.*, +, *TVT Nov. 2020 14007-14012*

Energy Harvesting Wireless Sensor Networks With Channel Estimation: Delay and Packet Loss Performance Analysis. *Hentati, A.*, +, *TVT Feb. 2020 1956-1969*

Energy-Efficient UAV Routing for Wireless Sensor Networks. *Baek, J.*, +, *TVT Feb. 2020 1741-1750*

Energy-Saving Deployment Algorithms of UAV Swarm for Sustainable Wireless Coverage. *Zhang, X.*, +, *TVT Sept. 2020 10320-10335*

Impacts of Constrained Sensing and Communication Based Attacks on Vehicular Platoons. *Sun, M.*, +, *TVT May 2020 4773-4787*

Iterative NDA Positioning Using Angle-of-Arrival Measurements for IoT Sensor Networks. *Monfared, S.*, +, *TVT Oct. 2020 11369-11382*

Load Balance and Trajectory Design in Multi-UAV Aided Large-Scale Wireless Rechargeable Networks. *Wu, P.*, +, *TVT Nov. 2020 13756-13767*

M-JAW: Mobility-Based Jamming Avoidance in Wireless Sensor Networks. *Misra, S.*, +, *TVT May 2020 5381-5390*

Machine-Learning-Based Hazardous Spot Detection Framework by Mobile Sensing and Opportunistic Networks. *Watanabe, Y.*, +, *TVT Nov. 2020 13646-13657*

Nearly Optimal Sensor Selection for TDOA-Based Source Localization in Wireless Sensor Networks. *Dai, Z.*, +, *TVT Oct. 2020 12031-12042*

On Bandwidth Constrained Distributed Detection of a Known Signal in Correlated Gaussian Noise. *Maleki, N.*, +, *TVT Oct. 2020 11428-11444*

On Maximizing Min Source Rate in Power Beacon Assisted IoTs Networks. *He, T.*, +, *TVT Oct. 2020 11880-11892*

On the Performance of Multihop Cognitive Wireless Powered D2D Communications in WSNs. *Nguyen, T.V.*, +, *TVT March 2020 2684-2699*

Optimal Energy Cooperation Policy in Fusion Center-Based Sustainable Wireless Sensor Networks. *Liang, H.*, +, *TVT June 2020 6401-6414*

Rendezvous: Opportunistic Data Delivery to Mobile Users by UAVs Through Target Trajectory Prediction. *Yoon, J.*, +, *TVT Feb. 2020 2230-2245*

Research on Cost-Balanced Mobile Energy Replenishment Strategy for Wireless Rechargeable Sensor Networks. *Sha, C.*, +, *TVT March 2020 3135-3150*

Trajectory Optimization for UAVs' Efficient Charging in Wireless Rechargeable Sensor Networks. *Wu, P.*, +, *TVT April 2020 4207-4220*

TRiForm: Formation Control for Underwater Sensor Networks With Measurement Errors. *Wu, H.*, +, *TVT July 2020 7679-7691*

UAV-Enabled Wireless Power Transfer With Base Station Charging and UAV Power Consumption. *Yan, H.*, +, *TVT Nov. 2020 12883-12896*

Z

Zero current switching

Interleaved Isolated Single-Phase PFC Converter Module for Three-Phase EV Charger. *Choi, S.*, +, *TVT May 2020 4957-4967*

LLC Resonant Converter With Damping Split Inductor Improving Light-Load Regulation Ability. *Jing, H.*, +, *TVT Feb. 2020 1428-1439*

Variable-Frequency Critical Soft-Switching of Wide-Bandgap Devices for Efficient High-Frequency Nonisolated DC-DC Converters. *Agrawal, B.*, +, *TVT June 2020 6094-6106*

Zero voltage switching

Interleaved Isolated Single-Phase PFC Converter Module for Three-Phase EV Charger. *Choi, S.*, +, *TVT May 2020 4957-4967*

LLC Resonant Converter With Damping Split Inductor Improving Light-Load Regulation Ability. *Jing, H.*, +, *TVT Feb. 2020 1428-1439*

Protection Strategy for Wireless Charging Electrical Vehicles. *Zhou, H.*, +, *TVT Nov. 2020 13510-13520*

Reduced-Order Modeling and Design of Single-Stage LCL Compensated IPT System for Low Voltage Vehicle Charging Applications. *Feng, H.*, +, *TVT April 2020 3728-3739*

Variable-Frequency Critical Soft-Switching of Wide-Bandgap Devices for Efficient High-Frequency Nonisolated DC-DC Converters. *Agrawal, B.*, +, *TVT June 2020 6094-6106*

Zigbee

Deep Learning Based RF Fingerprint Identification Using Differential Constellation Trace Figure. *Peng, L.*, +, *TVT Jan. 2020 1091-1095*

DeepChannel: Wireless Channel Quality Prediction Using Deep Learning. *Kulkarni, A.*, +, *TVT Jan. 2020 443-456*

Neighbor Discovery Based on Cross-Technology Communication for Mobile Applications. *Gao, D.*, +, *TVT Oct. 2020 11179-11191*