2018 Index IEEE Wireless Communications Letters Vol. 7

This index covers all technical items - papers, correspondence, reviews, etc. - that appeared in this periodical during 2018, and items from previous vears that were commented upon or corrected in 2018. 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

- Abbasfar, A., see Rastegar, S.H., LWC June 2018 460-463
- Abdallah, M., see Sapenov, Y., LWC Feb. 2018 74-77
- Abdel-Rahman, M.J., see Chatterjee, S., LWC June 2018 340-343
- Afshang, M., Saha, C., and Dhillon, H.S., Equi-Coverage Contours in Cellular Networks; LWC Oct. 2018 700-703
- Agiwal, M., Saxena, N., and Roy, A., Mobile Assisted Directional Paging (MADP) in Emerging 5G Wireless Networks; LWC June 2018 416-419 Agnihotri, S., see Bhardwaj, A., LWC Aug. 2018 546-549
- Ahmadi, H., see Marotta, M.A., LWC June 2018 472-475
- Ahmed, A., A Convex Approach to Blind MIMO Communications; LWC Oct. 2018 812-815
- Ahn, J., Shim, B., and Lee, K.B., Sparsity-Aware Ordered Successive Interference Cancellation for Massive Machine-Type Communications; LWC Feb. 2018 134-137
- Ai, B., see Zhang, J., LWC Feb. 2018 14-17
- Ai, Y., Cheffena, M., Mathur, A., and Lei, H., On Physical Layer Security of Double Rayleigh Fading Channels for Vehicular Communications; LWC Dec. 2018 1038-1041
- Ajib, W., see Getu, T.M., LWC Dec. 2018 1002-1005
- Akhlaghpasand, H., Razavizadeh, S.M., Bjornson, E., and Do, T.T., Jamming Detection in Massive MIMO Systems; LWC April 2018 242-245
- Al-Dhahir, N., see El Shafie, A., LWC April 2018 238-241
- Al-Hourani, A., and Gomez, K., Modeling Cellular-to-UAV Path-Loss for Suburban Environments; LWC Feb. 2018 82-85
- Alexandropoulos, G.C., see Mishra, D., LWC April 2018 214-217
- Alfano, G., see Taricco, G., LWC Dec. 2018 1042-1045
- Aljalai, A.N., see Guo, C., LWC Dec. 2018 986-989
- Alnuweiri, H., see Hafez, M., LWC Aug. 2018 646-649
- Alouini, M., see Makki, B., LWC Feb. 2018 90-93
- Alouini, M., see Sapenov, Y., LWC Feb. 2018 74-77
- Alouini, M., see Wu, L., LWC Aug. 2018 606-609
- Alouini, M., see Mao, J., LWC Dec. 2018 938-941
- Altunbas, I., see Koc, A., LWC June 2018 444-447
- Alves, D.I., Muller, C., Machado, R., and Uchoa-Filho, B.F., Approximate BER Analysis for MAC Systems; LWC Feb. 2018 10-13
- Alzenad, M., El-Keyi, A., and Yanikomeroglu, H., 3-D Placement of an Unmanned Aerial Vehicle Base Station for Maximum Coverage of Users With Different QoS Requirements; LWC Feb. 2018 38-41
- Amorim, R., Nguyen, H., Wigard, J., Kovacs, I.Z., Sorensen, T.B., Biro, D.Z., Sorensen, M., and Mogensen, P., Measured Uplink Interference Caused by Aerial Vehicles in LTE Cellular Networks; LWC Dec. 2018 958-961
- An, K., see Shi, S., LWC Feb. 2018 34-37
- An, K., see Liang, T., LWC April 2018 202-205
- An, K., see Yan, X., LWC Aug. 2018 538-541 An, K., see Guo, K., LWC Oct. 2018 816-819
- Anderson, C.R., see Choi, J., LWC June 2018 428-431
- Andrews, J.G., see Kulkarni, M.N., LWC Oct. 2018 756-759 Anpalagan, A., see Zhang, Y., LWC June 2018 324-327
- Arai, S., see Nakashima, Y., LWC Oct. 2018 848-851

- Ardah, K., Fodor, G., Silva, Y.C.B., Freitas, W.C., and Cavalcanti, F.R.P., A Novel Cell Reconfiguration Technique for Dynamic TDD Wireless Networks; LWC June 2018 320-323
- Armour, S., see Harris, P., LWC Aug. 2018 594-597
- Arslan, H., see Hafez, M., LWC Aug. 2018 646-649
- Arslan, H., see Jaradat, A.M., LWC Dec. 2018 914-917
- Artail, H.A., see Doumiati, S., LWC Aug. 2018 602-605
- Aruma Baduge, G.A., see Li, Y., LWC Dec. 2018 950-953
- Ascheid, G., see Tedik Basaran, S., LWC Dec. 2018 998-1001
- Ashikhmin, A., see Shental, O., LWC June 2018 404-407
- Assaad, M., see Doumiati, S., LWC Aug. 2018 602-605
- Atapattu, S., see Zappone, A., LWC Dec. 2018 1070-1073
- Avetisyan, H., see Holub, J., LWC Aug. 2018 638-641
- Ayir, N., and Ubaidulla, P., Transceiver Design for MIMO Full-Duplex Two-Way Relay Network; LWC Oct. 2018 772-775
- Azari, M.M., see Sallouha, H., LWC June 2018 376-379

B

- Badarneh, O.S., Space-Shift-Keying-Based Wireless-Powered Communications; LWC Aug. 2018 670-673
- Badarneh, O.S., da Costa, D.B., Sofotasios, P.C., Muhaidat, S., and Cotton, S.L., On the Sum of Fisher–Snedecor F Variates and Its Application to Maximal-Ratio Combining; LWC Dec. 2018 966-969
- Baek, J., Han, S.I., and Han, Y., Optimal Resource Allocation for Non-Orthogonal Transmission in UAV Relay Systems; LWC June 2018 356-359
- Bakin, E., see Pastushok, I., LWC April 2018 226-229
- Balatsoukas-Stimming, A., and Liavas, A.P., Design of LDPC Codes for the Unequal Power Two-User Gaussian Multiple Access Channel; LWC Oct. 2018 868-871
- Balercia, T., see Kotaba, R., LWC Aug. 2018 590-593
- Bansal, G., see Va, V., LWC Oct. 2018 784-787
- Basar, E., see Koc, A., LWC June 2018 444-447
- Beach, M., see Harris, P., LWC Aug. 2018 594-597
- Beach, M.A., see Zhang, C., LWC April 2018 206-209
- Behbahani, A.S., see Shaboyan, S., LWC Dec. 2018 1050-1053
- Beko, M., see Tomic, S., LWC Dec. 2018 1062-1065
- Benedetto, F., and Giunta, G., A Theoretical Analysis of Asymptotical Performance of Cooperative Spectrum Sensing in the Presence of Malicious Users; LWC June 2018 380-383
- Berardinelli, G., On the Sensitivity of Zero-Tail DFT-Spread-OFDM to Small Bandwidth Allocations; LWC June 2018 452-455
- Berberidis, K., see Vlachos, E., LWC Dec. 2018 974-977
- Bhardwaj, A., and Agnihotri, S., Energy- and Spectral-Efficiency Trade-Off for D2D-Multicasts in Underlay Cellular Networks; LWC Aug. 2018 546-549
- Bhargava, V.K., see Surya Vara Prasad, K.N.R., LWC Aug. 2018 486-489
- Bhat, S., and Chockalingam, A., Detection of Load-Modulated Multiuser MIMO Signals; LWC April 2018 266-269
- Bhatnagar, S., see Diddigi, R.B., LWC Oct. 2018 712-715
- Bi, D., Ren, P., and Xiang, Z., A Novel Joint PAPR Reduction Algorithm With Low Complexity Using LT Codes; LWC April 2018 166-169
- Biro, D.Z., see Amorim, R., LWC Dec. 2018 958-961
- Bjornson, E., see Zhang, J., LWC Feb. 2018 14-17
- Bjornson, E., see Akhlaghpasand, H., LWC April 2018 242-245
- Bjornson, E., see Chen, Z., LWC Oct. 2018 796-799
- Bor-Yaliniz, I., see Lagum, F., LWC June 2018 384-387
- Bor-Yaliniz, I., Szyszkowicz, S.S., and Yanikomeroglu, H., Environment-Aware Drone-Base-Station Placements in Modern Metropolitans; LWC June 2018 372-375
- Both, C.B., see Marotta, M.A., LWC June 2018 472-475
- Bouhlel, A., Ikki, S., and Sakly, A., Quadrature Dual Mode Index Modulation; LWC Aug. 2018 542-545
- Boukley Hasan, W., see Harris, P., LWC Aug. 2018 594-597

- Boulogeorgos, A.A., and Karagiannidis, G.K., Energy Detection in Full-Duplex Systems With Residual RF Impairments Over Fading Channels; *LWC April 2018 246-249*
- Bousbia-Salah, H., see Tayakout, H., LWC Oct. 2018 780-783
- Budhiraja, R., see Mann, P., LWC April 2018 146-149
- Budhiraja, R., see Sharma, E., LWC Oct. 2018 876-879
- Budhiraja, R., see Singh, P., LWC Oct. 2018 844-847
- Buisman, K., see Makki, B., LWC Feb. 2018 90-93
- Burghal, D., and Molisch, A.F., Rate and Outage Probability in Dual Band Systems With Prediction-Based Band Switching; LWC Oct. 2018 872-875

С

- Cabric, D., see Laghate, M., LWC Feb. 2018 70-73
- Cabric, D., see Hattab, G., LWC June 2018 296-299
- Cada, M., see Valente, D., LWC Aug. 2018 666-669
- Cai, D., Wu, J., Yang, J., and Fan, P., Optimum Spectral and Energy Efficiency Tradeoff in Two-User Gaussian Interference Channel; *LWC June 2018* 468-471
- Cai, Y., see Cao, K., LWC Aug. 2018 570-573
- Cai, Y., see Wu, D., LWC Dec. 2018 910-913
- Cantrell, M., see Zeitz, K., LWC Aug. 2018 578-581
- Cao, K., Cai, Y., Wu, Y., and Yang, W., Secure Transmission for MISOME Wiretap Channels With Finite Alphabet Inputs; *LWC Aug. 2018 570-573*
- Cao, Y., Shi, Y., Liu, J., and Kato, N., Optimal Satellite Gateway Placement in Space-Ground Integrated Network for Latency Minimization With Reliability Guarantee; *LWC April 2018 174-177*
- Cao, Y., see Chen, B., LWC Oct. 2018 732-735
- Castro, G., see Du, J., LWC Dec. 2018 890-893
- Cavalcanti, F.R.P., see Ardah, K., LWC June 2018 320-323
- Chaaban, A., see Sapenov, Y., LWC Feb. 2018 74-77
- Chae, C., see Lim, Y., LWC Aug. 2018 654-657
- Chan, F., see Salari, S., LWC Feb. 2018 18-21
- Chan, T., Ren, Y., Tseng, Y., and Chen, J., How to Reduce Unexpected eMBMS Session Disconnection: Design and Performance Analysis; *LWC Feb.* 2018 126-129
- Chang, T., and Chen, C., A Hybrid Tomlinson–Harashima Transceiver Design for Multiuser mmWave MIMO Systems; *LWC Feb.* 2018 118-121
- Chatterjee, A., see Nain, G., LWC April 2018 158-161
- Chatterjee, S., Abdel-Rahman, M.J., and MacKenzie, A.B., Optimal Base Station Deployment with Downlink Rate Coverage Probability Constraint; *LWC June 2018 340-343*
- Chaturvedi, A.K., see Mann, P., LWC April 2018 146-149
- Chatzinotas, S., see Vu, T.X., LWC June 2018 332-335
- Cheffena, M., see Ai, Y., LWC Dec. 2018 1038-1041
- Chen, B., Chen, Y., Chen, Y., Cao, Y., Zhao, N., and Ding, Z., A Novel Spectrum Sharing Scheme Assisted by Secondary NOMA Relay; *LWC Oct.* 2018 732-735
- Chen, C., see Chang, T., LWC Feb. 2018 118-121
- Chen, F., see Hu, Z., LWC Aug. 2018 618-621
- Chen, G., Qiu, L., and Chen, Z., Area Spectral Efficiency Analysis of Multi-Antenna Networks Modeled by Ginibre Point Process; *LWC Feb. 2018* 6-9
- Chen, G., see Dai, J., LWC April 2018 222-225
- Chen, G., see Etemadi Tajbakhsh, S., LWC Aug. 2018 642-645
- Chen, G., see Tang, J., LWC Aug. 2018 630-633
- Chen, G., see Cho, S., LWC Oct. 2018 768-771
- Chen, G., see Dang, S., LWC Dec. 2018 926-929
- Chen, H., see Gu, Y., LWC June 2018 348-351
- Chen, H., see Ji, S., LWC Dec. 2018 1034-1037
- Chen, J., see Chan, T., LWC Feb. 2018 126-129
- Chen, J., see Wu, L., LWC Aug. 2018 606-609
- Chen, J., see Wang, H., LWC Aug. 2018 522-525
- Chen, L., Qin, X., and Wei, G., A Uniform-Forcing Transceiver Design for Over-the-Air Function Computation; *LWC Dec. 2018 942-945*
- Chen, M., see Tian, D., LWC Feb. 2018 2-5
- Chen, M., see Pan, Y., LWC Feb. 2018 130-133
- Chen, M., see Tian, D., LWC Aug. 2018 518-521
- Chen, P., see Wei, C., LWC June 2018 456-459
- Chen, R., Xu, H., Moretti, M., and Li, J., Beam Steering for the Misalignment in UCA-Based OAM Communication Systems; *LWC Aug. 2018 582-585*
- Chen, T., see Wu, T., LWC Oct. 2018 792-795
- Chen, W., see Jiang, X., LWC June 2018 408-411 Chen, X., see Niu, J., LWC Feb. 2018 30-33
- **Chen, X.**, see Zhao, M., LWC Oct. 2018 716-719

+ Check author entry for co-authors

- Chen, Y., see Takahashi, Y., LWC Dec. 2018 898-901
 - Chen, Z., see Chen, G., LWC Feb. 2018 6-9

Chen, Y., see Li, T., LWC April 2018 258-261

Chen, Y., see Song, H., LWC Aug. 2018 514-517

Chen, Y., see Chen, B., LWC Oct. 2018 732-735

Chen, Y., see Chen, B., LWC Oct. 2018 732-735

- Chen, Z., see Li, X., LWC April 2018 198-201
- Chen, Z., see Du, Y., LWC Aug. 2018 682-685
- Chen, Z., Bjornson, E., and Larsson, E.G., When is the Achievable Rate Region Convex in Two-User Massive MIMO Systems?; LWC Oct. 2018 796-799

1091

- Cheng, J., see Lou, Y., LWC Feb. 2018 106-109
- Cheng, Y., see Li, S., LWC April 2018 250-253
- Chetlur, V.V., and Dhillon, H.S., Success Probability and Area Spectral Efficiency of a VANET Modeled as a Cox Process; *LWC Oct. 2018* 856-859
- Chiu, H., see Gau, R., LWC Feb. 2018 22-25
- Chiumento, A., see Sallouha, H., LWC June 2018 376-379
- Chizhik, D., see Du, J., LWC Dec. 2018 890-893
- Cho, S., Chen, G., and Coon, J.P., Physical Layer Security in Visible Light Communication Systems With Randomly Located Colluding Eavesdroppers; *LWC Oct.* 2018 768-771
- Cho, Y.J., see Lim, Y., LWC Aug. 2018 654-657
- Chockalingam, A., see Bhat, S., LWC April 2018 266-269
- Choi, J., and Ko, Y., TCM for OFDM-IM; LWC Feb. 2018 50-53
- Choi, J., Marojevic, V., Sharma, A., Zewede, B., Nealy, R., Anderson, C.R., Withers, J., and Dietrich, C.B., Measurement and Configuration of DSRC Radios for Vehicle-to-Train (V2T) Safety-Critical Communications; *LWC June 2018 428-431*
- Choi, J., see Va, V., LWC Oct. 2018 784-787
- Choi, S., see Kim, H., LWC Oct. 2018 696-699
- Choi, S.W., see Kim, H., LWC Dec. 2018 1010-1013
- Choi, W., see Song, J., LWC Aug. 2018 490-493
- Choi, Y., and Kim, D., Optimal Power and Rate Allocation in Superposition Transmission With Successive Noise Signal Sharing Toward Zero Intercept Probability; *LWC Oct. 2018 824-827*
- Chu, X., see Hu, H., LWC Oct. 2018 752-755
- Chu, Z., see Li, B., LWC Feb. 2018 78-81
- Chu, Z., see Zhu, Z., LWC June 2018 424-427
- Chung, J., see Yun, J., LWC Dec. 2018 1066-1069 Chung, W., see Kim, H., LWC Oct. 2018 696-699
- Cianca, E., see Valente, D., LWC Aug. 2018 666-669
- Cimini, L.J., see Valence, D., EWC Aug. 2018 000-00 Cimini, L.J., see Li, T., LWC April 2018 258-261
- Clillini, L.J., see LI, I., LWC April 2018 258-201
- Cirik, A.C., Mysore Balasubramanya, N., and Lampe, L., Multi-User Detection Using ADMM-Based Compressive Sensing for Uplink Grant-Free NOMA; *LWC Feb. 2018 46-49*
- Ciuonzo, D., and Rossi, P.S., Quantizer Design for Generalized Locally Optimum Detectors in Wireless Sensor Networks; *LWC April 2018* 162-165
- Coon, J.P., see Etemadi Tajbakhsh, S., LWC Aug. 2018 642-645
- Coon, J.P., see Tang, J., LWC Aug. 2018 630-633
- Coon, J.P., see Cho, S., LWC Oct. 2018 768-771
- Coon, J.P., see Dang, S., LWC Dec. 2018 926-929
- Correia, V.M.F., see Tomic, S., LWC Dec. 2018 1062-1065
- Cotton, S.L., see Badarneh, O.S., LWC Dec. 2018 966-969
- Cui, Q., see Wang, Y., LWC Feb. 2018 26-29
- Cui, Q., see Yu, X., LWC April 2018 274-277
- Cui, S., see Ma, S., LWC April 2018 262-265
- Cui, S., see Qiu, C., LWC Aug. 2018 554-557
- Cui, S., see Zhang, K., LWC Aug. 2018 586-589

D

- da Costa, D.B., see El Bouanani, F., LWC Aug. 2018 498-501
- da Costa, D.B., see Badarneh, O.S., LWC Dec. 2018 966-969
- Dahman, G., see Gagnon, F., LWC Dec. 2018 1086-1089

Dammann, A., see Walter, M., LWC Aug. 2018 662-665

Dai, Z., see Tian, D., LWC Aug. 2018 518-521

2018 926-929

Dang, J., see Jiang, H., LWC Oct. 2018 836-839

 Dai, J., Chen, G., Niu, K., and Lin, J., Partially Active Message Passing Receiver for MIMO-SCMA Systems; *LWC April 2018 222-225* Dai, L., see Shen, W., *LWC Oct. 2018 736-739*

Dang, S., Chen, G., and Coon, J.P., Outage Performance of Two-Hop OFDM

With Index Modulation and Multi-Carrier Relay Selections; LWC Dec.

- Darby, I., see Jovalekic, N., LWC Dec. 2018 1058-1061
- Dartmann, G., see Tedik Basaran, S., LWC Dec. 2018 998-1001
- Das, S.S., see Nain, G., LWC April 2018 158-161

1092

- DaSilva, L., see Marotta, M.A., LWC June 2018 472-475
- Dayoub, I., see Tayakout, H., LWC Oct. 2018 780-783
- De Cola, T., and Mongelli, M., Adaptive Time Window Linear Regression for Outage Prediction in Q/V Band Satellite Systems; LWC Oct. 2018 808-811
- de Lamare, R.C., see Shao, Z., LWC June 2018 476-479
- de Olivindo Cavalcante, E., Fodor, G., Silva, Y.C.B., and Freitas, W.C., Distributed Beamforming in Dynamic TDD MIMO Networks With BS to BS Interference Constraints; LWC Oct. 2018 788-791
- Debbah, M., see Zappone, A., LWC Dec. 2018 1070-1073
- Demir, O.T., and Tuncer, T.E., Optimum QoS-Aware Beamformer Design for
- Full-Duplex Relay With Self-Energy Recycling; LWC Feb. 2018 122-125 Deng, D., see Wang, Y., LWC Dec. 2018 990-993
- Deng, H., see Zheng, T., LWC Dec. 2018 946-949 Deng, K., see Fan, S., LWC Feb. 2018 66-69
- Deng, N., and Haenggi, M., A Novel Approximate Antenna Pattern for Directional Antenna Arrays; LWC Oct. 2018 832-835
- Deng, P., see Guo, T., LWC Aug. 2018 562-565
- Deng, T., You, L., Fan, P., and Yuan, D., Device Caching for Network Offloading: Delay Minimization With Presence of User Mobility; LWC Aug. 2018 558-561
- Dhillon, H.S., see Afshang, M., LWC Oct. 2018 700-703
- Dhillon, H.S., see Chetlur, V.V., LWC Oct. 2018 856-859
- Di Renzo, M., see Zappone, A., LWC Dec. 2018 1070-1073
- Diddigi, R.B., K.J., P., and Bhatnagar, S., Novel Sensor Scheduling Scheme for Intruder Tracking in Energy Efficient Sensor Networks; LWC Oct. 2018 712-715
- Dietrich, C.B., see Choi, J., LWC June 2018 428-431
- Ding, F., Wang, H., Zhou, Y., and Zheng, C., Impact of Relay's Eavesdropping on Untrusted Amplify-and-Forward Networks Over Nakagami-m Fading; LWC Feb. 2018 102-105
- Ding, G., see Wang, H., LWC Aug. 2018 522-525
- Ding, Z., see Liau, Q.Y., LWC June 2018 464-467
- Ding, Z., see Chen, B., LWC Oct. 2018 732-735
- Ding, Z., Fan, P., and Poor, H.V., On the Coexistence Between Full-Duplex and NOMA; LWC Oct. 2018 692-695
- Dmochowski, P.A., see Smith, P.J., LWC Oct. 2018 804-807
- Do, T.T., see Akhlaghpasand, H., LWC April 2018 242-245
- Dong, B., see Du, Y., LWC Aug. 2018 682-685
- Dong, C., see Li, Y., LWC June 2018 432-435
- Dong, L., see Loyka, S., LWC Aug. 2018 534-537
- Doumiati, S., Assaad, M., and Artail, H.A., Topological Interference Management Framework for Device-to-Device Communication; LWC Aug. 2018 602-605
- Douros, V.G., see Munari, A., LWC Aug. 2018 502-505
- Doyle, L.E., see Farhang, A., LWC June 2018 344-347
- Drndarevic, V., see Jovalekic, N., LWC Dec. 2018 1058-1061
- Du, J., see Zhai, D., LWC June 2018 388-391
- Du, J., Chizhik, D., Feick, R., Castro, G., Rodriguez, M., and Valenzuela, R.A., Suburban Residential Building Penetration Loss at 28 GHz for Fixed Wireless Access; LWC Dec. 2018 890-893
- Du, Y., Dong, B., Zhu, W., Gao, P., Chen, Z., Wang, X., and Fang, J., Joint Channel Estimation and Multiuser Detection for Uplink Grant-Free NOMA; LWC Aug. 2018 682-685
- Duan, X., see Tian, D., LWC Aug. 2018 518-521
- Duman, T.M., see Gumus, M., LWC Oct. 2018 720-723
- Duong, T.Q., see Vu, T.X., LWC June 2018 332-335

Е

- Edfors, O., see Harris, P., LWC Aug. 2018 594-597
- El Bouanani, F., and da Costa, D.B., Accurate Closed-Form Approximations for the Sum of Correlated Weibull Random Variables; LWC Aug. 2018 498-501
- El Shafie, A., Mabrouk, A., Tourki, K., Al-Dhahir, N., and Hamila, R., A Secret-Key-Aided Scheme to Secure Transmissions From Single-Antenna
- RF-EH Source Nodes; LWC April 2018 238-241 El Shafie, A., see Hafez, M., LWC Aug. 2018 646-649
- El-Keyi, A., see Alzenad, M., LWC Feb. 2018 38-41
- Elramly, S., see Nagy, B., LWC April 2018 154-157
- Elsabrouty, M., see Nagy, B., LWC April 2018 154-157
- Eltawil, A.M., see Shaboyan, S., LWC Dec. 2018 1050-1053
- Etemadi Tajbakhsh, S., Coon, J.P., and Chen, G., Network Coding for Physical Layer Secrecy; LWC Aug. 2018 642-645
- Evans, J., see Zappone, A., LWC Dec. 2018 1070-1073

+ Check author entry for co-authors

F

- Famaey, J., see Torres Vega, M., LWC April 2018 278-281
- Fan, P., see Cai, D., LWC June 2018 468-471
- Fan, P., see Deng, T., LWC Aug. 2018 558-561
- Fan, P., see Ding, Z., LWC Oct. 2018 692-695
- Fan, S., Xiao, Y., Xiao, L., Yang, P., Shi, R., and Deng, K., Improved Layered Message Passing Algorithms for Large-Scale Generalized Spatial Modulation Systems; LWC Feb. 2018 66-69
- Fan, S., see Zhao, P., LWC Aug. 2018 614-617
- Fan, Z., see Wang, Z., LWC April 2018 230-233
- Fang, D., see Niu, J., LWC Feb. 2018 30-33
- Fang, J., see Du, Y., LWC Aug. 2018 682-685
- Fang, J., see Zhang, X., LWC Oct. 2018 764-767
- Farhang, A., RezazadehReyhani, A., Doyle, L.E., and Farhang-Boroujeny, B., Low Complexity Modem Structure for OFDM-Based Orthogonal Time Frequency Space Modulation; LWC June 2018 344-347
- Farhang-Boroujeny, B., see Farhang, A., LWC June 2018 344-347
- Fei, Z., see Li, B., LWC Feb. 2018 78-81
- Fei, Z., see Yu, H., LWC Oct. 2018 744-747
- Feick, R., see Du, J., LWC Dec. 2018 890-893
- Feng, C., see Guo, C., *LWC Dec. 2018* 986-989 Feng, Z., see Qiu, C., *LWC Aug. 2018* 554-557
- Feng, Z., see Zhang, K., LWC Aug. 2018 586-589
- Fettweis, G., see Santos Filho, J.C.S., LWC Dec. 2018 1018-1021
- Fodor, G., see Ardah, K., LWC June 2018 320-323
- Fodor, G., see de Olivindo Cavalcante, E., LWC Oct. 2018 788-791
- Freitas, W.C., see Ardah, K., LWC June 2018 320-323
- Freitas, W.C., see de Olivindo Cavalcante, E., LWC Oct. 2018 788-791
- Freudenberger, J., Rohweder, D., and Shavgulidze, S., Generalized Multistream Spatial Modulation With Signal Constellations Based on Hurwitz Integers and Low-Complexity Detection; LWC June 2018 412-415
- Fu, C., see Gao, Q., LWC June 2018 288-291

G

- Gagnon, F., Dahman, G., and Poitau, G., Extending the ITU-R P.530 Deep-Fading Outage Probability Results to SIMO-MRC and MIMO-MRC Line-of-Sight Systems; LWC Dec. 2018 1086-1089
- Gao, J., see Kai, C., LWC Feb. 2018 86-89
- Gao, P., see Du, Y., LWC Aug. 2018 682-685
- Gao, Q., Zhu, G., Lin, S., and Fu, C., Variable-Rate Variable-Power MQAM for Spectral Efficiency Maximization in Full-Duplex Systems; LWC June 2018 288-291
- Gao, Y., see Zhang, X., LWC Aug. 2018 674-677
- Gao, Y., see Yu, J., LWC Oct. 2018 728-731
- Gao, Z., see Mao, J., LWC Dec. 2018 938-941
- Gau, R., Chiu, H., Liao, C., and Wu, C., Optimal Power Control for NOMA Wireless Networks With Relays; LWC Feb. 2018 22-25
- Getu, T.M., Ajib, W., and Landry, R., Power-Based Broadband RF Interference Detector for Wireless Communication Systems; LWC Dec. 2018 1002-1005
- Ghanem, K., see Tayakout, H., LWC Oct. 2018 780-783
- Ghani, N., see Jasim, M., LWC April 2018 234-237
- Gidlund, M., see Guntupalli, L., LWC June 2018 480-483
- Giunta, G., see Benedetto, F., LWC June 2018 380-383
- Giunta, G., Hao, C., and Orlando, D., Estimation of Rician K-Factor in the Presence of Nakagami-m Shadowing for the LoS Component; LWC Aug. 2018 550-553
- Gomez, K., see Al-Hourani, A., LWC Feb. 2018 82-85
- Gong, Z., see Jiang, F., LWC Dec. 2018 1022-1025
- Gonzalez, D.C., see Santos Filho, J.C.S., LWC Dec. 2018 1018-1021
- Gu, Y., Chen, H., Li, Y., and Vucetic, B., Ultra-Reliable Short-Packet Communications: Half-Duplex or Full-Duplex Relaying?; LWC June 2018 348-351

Gumus, M., and Duman, T.M., Multi-Envelope Precoding for Massive MIMO

Guntupalli, L., and Gidlund, M., Multiple Packet Transmissions in Duty

Guo, C., Aljalai, A.N., Feng, C., Zhao, L., Leung, V.C.M., and Ward, R.K.,

Cycling WSNs: A DTMC-Based Throughput Analysis; LWC June 2018

Compute-and-Forward for Uplink Non-Orthogonal Multiple Access;

Guan, K., see Pan, Y., LWC Dec. 2018 1082-1085

Systems; LWC Oct. 2018 720-723

LWC Dec. 2018 986-989

480-483

Guo, J., see Li, Y., LWC June 2018 432-435

- Guo, K., An, K., Zhang, B., Huang, Y., and Zheng, G., Outage Analysis of Cognitive Hybrid Satellite-Terrestrial Networks With Hardware Impairments and Multi-Primary Users; LWC Oct. 2018 816-819
- Guo, K., Lin, M., Zhang, B., Ouyang, J., and Zhu, W., Secrecy Performance of Satellite Wiretap Channels With Multi-User Opportunistic Scheduling; LWC Dec. 2018 1054-1057
- Guo, Q., see Xu, M., LWC April 2018 178-181
- Guo, T., Wang, B., Wu, W., and Deng, P., Secrecy-Oriented Antenna Assignment Optimization at Full-Duplex Receiver With Self-Interference; LWC Aug. 2018 562-565
- Guo, W., see Luo, Z., LWC Aug. 2018 530-533
- Guruacharya, S., Mittal, V., and Hossain, E., Level-Triggered Harvest-Then-Consume Protocol With Two Bits or Less Energy State Information; LWC April 2018 150-153
- Guruacharya, S., and Hossain, E., Approximation of Meta Distribution and its Moments for Poisson Cellular Networks; LWC Dec. 2018 1074-1077

Н

- Hadzi-Velkov, Z., see Pejoski, S., LWC June 2018 364-367
- Haenggi, M., see Wang, Y., LWC Feb. 2018 26-29
- Haenggi, M., see Yu, X., LWC April 2018 274-277
- Haenggi, M., see Deng, N., LWC Oct. 2018 832-835
- Haenggi, M., Efficient Calculation of Meta Distributions and the Performance of User Percentiles; LWC Dec. 2018 982-985
- Hafez, M., El Shafie, A., Shaqfeh, M., Khattab, T., Alnuweiri, H., and Arslan, H., Thresholds Optimization for One-Bit Feedback Multi-User Scheduling; LWC Aug. 2018 646-649
- Haine, J.L., see Zhang, C., LWC April 2018 206-209
- Hamamreh, J.M., see Jaradat, A.M., LWC Dec. 2018 914-917
- Hamila, R., see El Shafie, A., LWC April 2018 238-241
- Han, S.I., see Baek, J., LWC June 2018 356-359
- Han, Y., see Baek, J., LWC June 2018 356-359
- Han, Y.S., see Wei, C., LWC June 2018 456-459
- Hanzo, L., see Shen, W., LWC Oct. 2018 736-739
- Hao, C., see Giunta, G., LWC Aug. 2018 550-553
- Hao, Y., see Zheng, H., LWC Dec. 2018 1030-1033
- Harris, P., Boukley Hasan, W., Liu, L., Malkowsky, S., Beach, M., Armour, S., Tufvesson, F., and Edfors, O., Achievable Rates and Training Overheads for a Measured LOS Massive MIMO Channel; LWC Aug. 2018 594-597
- Hattab, G., and Cabric, D., Rate-Based Cell Range Expansion for Downlink Massive MIMO Heterogeneous Networks; LWC June 2018 296-299
- He, D., see Lu, L., LWC Feb. 2018 138-141
- He, D., Liu, C., Quek, T.Q.S., and Wang, H., Transmit Antenna Selection in MIMO Wiretap Channels: A Machine Learning Approach; LWC Aug. 2018 634-637
- He, H., Wen, C., Jin, S., and Li, G.Y., Deep Learning-Based Channel Estimation for Beamspace mmWave Massive MIMO Systems; LWC Oct. 2018 852-855
- He, L., see Wang, X., LWC April 2018 142-145
- Heath, R.W., see Va, V., LWC Oct. 2018 784-787
- Hoang, D.T., see Van Huynh, N., LWC Oct. 2018 820-823
- Holub, J., Wallbaum, M., Smith, N., and Avetisyan, H., Analysis of the Dependency of Call Duration on the Quality of VoIP Calls; LWC Aug. 2018 638-641
- Hong, D., see Kim, H., LWC Oct. 2018 696-699
- Hong, Q., see Hu, H., LWC Oct. 2018 752-755
- Hossain, E., see Guruacharya, S., LWC April 2018 150-153
- Hossain, E., see Surya Vara Prasad, K.N.R., LWC Aug. 2018 486-489
- Hossain, E., see Ranadheera, S., LWC Oct. 2018 688-691
- Hossain, E., see Guruacharya, S., LWC Dec. 2018 1074-1077
- Hosseini, S.M., see Noroozi, A., LWC June 2018 352-355
- Hou, S., see Zheng, H., LWC Dec. 2018 1030-1033
- Hu, H., Zhang, B., Hong, Q., Chu, X., and Zhang, J., Coverage Analysis of Reduced Power Subframes Applied in Heterogeneous Networks With Subframe Misalignment Interference; LWC Oct. 2018 752-755
- Hu, J., see Hu, Y., LWC Dec. 2018 1026-1029
- Hu, L., see Song, H., LWC Aug. 2018 514-517
- Hu, X., see Kai, C., LWC Feb. 2018 86-89

+ Check author entry for co-authors

- Hu, Y., Liang, C., Hu, J., and Ping, L., Low-Cost Implementation Techniques for Interleave Division Multiple Access; LWC Dec. 2018 1026-1029
- Hu, Z., Chen, F., Wen, M., Ji, F., and Yu, H., Low-Complexity LLR Calculation for OFDM With Index Modulation; LWC Aug. 2018 618-621

- Huang, H., and Savkin, A.V., An Algorithm of Efficient Proactive Placement of Autonomous Drones for Maximum Coverage in Cellular Networks; LWC Dec. 2018 994-997
- Huang, X., Xu, W., Shen, H., Zhang, H., and You, X., Utility-Energy Efficiency Oriented User Association With Power Control in Heterogeneous Networks; LWC Aug. 2018 526-529
- Huang, X., Xu, W., Xie, G., Jin, S., and You, X., Learning Oriented Cross-Entropy Approach to User Association in Load-Balanced HetNet; LWC Dec. 2018 1014-1017

I

- Huang, Y., see Zhang, J., LWC June 2018 440-443
- Huang, Y., see Guo, K., LWC Oct. 2018 816-819

Ikki, S., see Bouhlel, A., LWC Aug. 2018 542-545

- Ilow, J., see Valente, D., LWC Aug. 2018 666-669
- Inacio, J.C., Uchoa-Filho, B.F., and Le Ruyet, D., Exploiting Signal Space Diversity in OFDM With Grouped Subcarriers: Going Beyond Subcarrier Index Modulation; LWC Aug. 2018 650-653

J

- Jaradat, A.M., Hamamreh, J.M., and Arslan, H., OFDM With Subcarrier Number Modulation; LWC Dec. 2018 914-917
- Jasim, M., and Ghani, N., Sidelobe Exploitation for Beam Discovery in Line of Sight Millimeter Wave Systems; LWC April 2018 234-237
- Jayasooriya, S., Shirvanimoghaddam, M., Ong, L., and Johnson, S.J., Raptor Codes for Higher-Order Modulation Using a Multi-Edge Framework; LWC Feb. 2018 110-113
- Jedda, H., and Nossek, J.A., On the Statistical Properties of Constant Envelope Quantizers; LWC Dec. 2018 1006-1009
- Ji, F., see Hu, Z., LWC Aug. 2018 618-621
- Ji, S., Wang, W., Chen, H., and Zheng, Z., Secrecy Capacity Analysis of AN-Aided FDA Communication Over Nakagami-m Fading; LWC Dec. 2018 1034-1037
- Jiang, F., Li, C., Gong, Z., and Su, R., Extrinsic Information Analysis of a New Iterative Method Using the Stair Matrix for Massive MIMO Uplink Signal Detection; LWC Dec. 2018 1022-1025
- Jiang, H., Zhang, Z., Wu, L., and Dang, J., Novel 3-D Irregular-Shaped Geometry-Based Channel Modeling for Semi-Ellipsoid Vehicleto-Vehicle Scattering Environments; LWC Oct. 2018 836-839
- Jiang, M., see Wu, X., LWC Oct. 2018 800-803
- Jiang, X., Zheng, Y., Chen, W., Wen, M., and Li, J., Two-Layer LDPC Codes for Low Complexity ML Detection in GSM Systems; LWC June 2018 408-411
- Jiang, Z., Krishnamachari, B., Zhou, S., and Niu, Z., Optimal Sleeping Mechanism for Multiple Servers With MMPP-Based Bursty Traffic Arrival; LWC June 2018 436-439
- Jiao, J., see Liang, X., LWC Dec. 2018 1046-1049
- Jin, M., see Xu, M., LWC April 2018 178-181
- Jin, S., see Zhang, J., LWC Feb. 2018 14-17
- Jin, S., see Wen, C., LWC Oct. 2018 748-751
- Jin, S., see He, H., LWC Oct. 2018 852-855
- Jin, S., see Huang, X., LWC Dec. 2018 1014-1017
- Johnson, S.J., see Jayasooriya, S., LWC Feb. 2018 110-113
- Jorswieck, E.A., see Sinaie, M., LWC Dec. 2018 954-957
- Jovalekic, N., Drndarevic, V., Darby, I., Zennaro, M., Pietrosemoli, E., and Ricciato, F., LoRa Transceiver With Improved Characteristics; LWC Dec. 2018 1058-1061
- Juang, B., see Ye, H., LWC Feb. 2018 114-117
- Jung, H., and Lee, I., Secrecy Rate of Analog Collaborative Beamforming With Virtual Antenna Array Following Spatial Random Distributions; LWC Aug. 2018 626-629
- Jung, I., see Kim, H., LWC Oct. 2018 696-699

K

- K.J., P., see Diddigi, R.B., LWC Oct. 2018 712-715
- Kaddoum, G., see Le, T., LWC Oct. 2018 884-887
- Kader, M.F., and Shin, S.Y., Coordinated Direct and Relay Transmission Using Uplink NOMA; LWC June 2018 400-403

- Kai, C., Hu, X., Zhang, S., and Gao, J., Receiver Originated Physical-Layer Robust Secure Transmissions in Wireless Systems; *LWC Feb. 2018 86-89* Kang, J., and Kim, I., Optimal User Grouping for Downlink NOMA; *LWC*
- Oct. 2018 724-727 Karagiannidis, G.K., see Boulogeorgos, A.A., LWC April 2018 246-249
- **Kato, N.**, see Cao, Y., *LWC April 2018 174-177*
- Khandaker, M.R.A., see Okandeji, A.A., LWC June 2018 336-339
- Khattab, T., see Hafez, M., LWC Aug. 2018 646-649
- **Kim, D.**, see Choi, Y., *LWC Oct.* 2018 824-827

1094

- Kim, D., see Kim, Y., LWC Dec. 2018 934-937
- **Kim, D.I.**, see Kim, Y., LWC April 2018 186-189
- **Kim, D.I.**, see Van Huynh, N., *LWC Oct. 2018 820-823*
- **Kim, G.**, see Park, J., *LWC Dec.* 2018 906-909
- Kim, H., Jung, I., Park, Y., Chung, W., Choi, S., and Hong, D., Time Spread-Windowed OFDM for Spectral Efficiency Improvement; *LWC Oct. 2018* 696-699
- Kim, H., Choi, S.W., and Kim, S., Connectivity Information-Aided Belief Propagation for Cooperative Localization; *LWC Dec.* 2018 1010-1013
- Kim, I., see Salari, S., LWC Feb. 2018 18-21
- Kim, I., see Kang, J., LWC Oct. 2018 724-727
- Kim, J., Lee, I., and Lee, J., Capacity Scaling for D2D Aided Cooperative Relaying Systems Using NOMA; *LWC Feb. 2018* 42-45
- Kim, J.W., Shin, S.Y., and Leung, V.C.M., Performance Enhancement of Downlink NOMA by Combination With GSSK; *LWC Oct. 2018 860-863* Kim, S., see Kim, H., *LWC Dec. 2018 1010-1013*
- Kim, Y., Lee, T., and Kim, D.I., Joint Information and Power Transfer in SWIPT-Enabled CRFID Networks; *LWC April 2018 186-189*
- Kim, Y., see Park, J., LWC Dec. 2018 906-909
- Kim, Y., Lee, D., and Kim, D., Pre-Processing Images for Enhancing Reliability in Screen-to-Camera Communication; LWC Dec. 2018 934-937
- Ko, Y., see Choi, J., LWC Feb. 2018 50-53
- Ko, Y., see Luong, T.V., LWC Aug. 2018 566-569
- Kobayashi, T., see Takahashi, Y., LWC Dec. 2018 898-901
- Koc, A., Altunbas, I., and Basar, E., Two-Way Full-Duplex Spatial Modulation Systems With Wireless Powered AF Relaying; *LWC June 2018 444-447* Konorski, J., see Szott, S., *LWC Aug. 2018 658-661*
- Koonen, A.M.J., see Torres Vega, M., LWC April 2018 278-281
- Kotaba, R., Navarro Manchon, C., Balercia, T., and Popovski, P., Uplink Transmissions in URLLC Systems With Shared Diversity Resources; *LWC Aug. 2018* 590-593
- Kourogiorgas, C.I., and Panagopoulos, A.D., Space-Time Stochastic Rain Fading Channel for Multiple LEO or MEO Satellite Slant Paths; LWC June 2018 284-287
- Kovacs, I.Z., see Amorim, R., LWC Dec. 2018 958-961
- Krikidis, I., Retrodirective Large Antenna Energy Beamforming in Backscatter Multi-User Networks; LWC Aug. 2018 678-681
- Krishnamachari, B., see Jiang, Z., LWC June 2018 436-439
- Kulkarni, M.N., Visotsky, E., and Andrews, J.G., Correction Factor for Analysis of MIMO Wireless Networks With Highly Directional Beamforming; *LWC Oct.* 2018 756-759
- Kurt, G.K., see Tedik Basaran, S., LWC Dec. 2018 998-1001

L

- Labeau, F., see Zhang, X., LWC Oct. 2018 764-767
- Laghate, M., Urriza, P., and Cabric, D., Channel Access Method Classification for Cognitive Radio Applications; LWC Feb. 2018 70-73
- Lagias, A.E., Lagkas, T.D., and Zhang, J., New RSSI-Based Tracking for Following Mobile Targets Using the Law of Cosines; *LWC June 2018* 392-395
- Lagkas, T.D., see Lagias, A.E., LWC June 2018 392-395
- Lagum, F., Bor-Yaliniz, I., and Yanikomeroglu, H., Strategic Densification With UAV-BSs in Cellular Networks; *LWC June 2018 384-387*
- Lalos, A.S., see Vlachos, E., LWC Dec. 2018 974-977
- Lampe, L., see Cirik, A.C., LWC Feb. 2018 46-49
- Landau, L.T.N., see Shao, Z., LWC June 2018 476-479
- Landry, R., see Getu, T.M., LWC Dec. 2018 1002-1005
- Larsson, E.G., and Van Der Perre, L., Out-of-Band Radiation From Antenna Arrays Clarified; *LWC Aug. 2018 610-613*
- Larsson, E.G., see Chen, Z., LWC Oct. 2018 796-799

+ Check author entry for co-authors

- Larsson, P., Golden Angle Modulation; LWC Feb. 2018 98-101
- Larsson, P., Rasmussen, L.K., and Skoglund, M., The Golden Quantizer: The
- Complex Gaussian Random Variable Case; *LWC June 2018 312-315* Laughlin, L., see Zhang, C., *LWC April 2018 206-209*

- Le, T., Kaddoum, G., and Shin, O., Joint Channel Resources Allocation and Beamforming in Energy Harvesting Systems; *LWC Oct. 2018 884-887*
- Le, T.A., see Vo, P.L., LWC Dec. 2018 970-973
- Le Ruyet, D., see Inacio, J.C., LWC Aug. 2018 650-653
- Lee, D., see Kim, Y., LWC Dec. 2018 934-937
- Lee, I., see Kim, J., LWC Feb. 2018 42-45
- Lee, I., see Zhu, Z., LWC June 2018 424-427
- Lee, I., see Jung, H., LWC Aug. 2018 626-629
- Lee, I., see Lee, S., LWC Oct. 2018 828-831
- Lee, J., see Kim, J., LWC Feb. 2018 42-45
- Lee, K.B., see Ahn, J., LWC Feb. 2018 134-137
- Lee, M., Xiong, Y., Yu, G., and Li, G.Y., Deep Neural Networks for Linear Sum Assignment Problems; *LWC Dec.* 2018 962-965
- Lee, S., Zeng, Y., and Zhang, R., Retrodirective Multi-User Wireless Power Transfer With Massive MIMO; *LWC Feb. 2018* 54-57
- Lee, S., Park, S., and Lee, I., NOMA Systems With Content-Centric Multicast Transmission for C-RAN; *LWC Oct. 2018 828-831*
- Lee, T., see Kim, Y., LWC April 2018 186-189
- Lee, Y., see Lim, Y., LWC Aug. 2018 654-657
- Lei, H., see Ai, Y., LWC Dec. 2018 1038-1041
- Leow, C.Y., see Liau, Q.Y., LWC June 2018 464-467
- Leung, V.C.M., see Tian, D., LWC Feb. 2018 2-5
- Leung, V.C.M., see Tian, D., LWC Aug. 2018 518-521
- Leung, V.C.M., see Kim, J.W., LWC Oct. 2018 860-863
- Leung, V.C.M., see Guo, C., LWC Dec. 2018 986-989
- Li, B., Fei, Z., Xu, X., and Chu, Z., Resource Allocations for Secure Cognitive Satellite-Terrestrial Networks; LWC Feb. 2018 78-81
- Li, C., see Jiang, F., LWC Dec. 2018 1022-1025
- Li, G., see Shi, S., LWC Feb. 2018 34-37
- Li, G.Y., see Ye, H., LWC Feb. 2018 114-117
- Li, G.Y., see Lu, L., LWC Feb. 2018 138-141
- Li, G.Y., see Niu, J., LWC Feb. 2018 30-33
- Li, G.Y., see He, H., LWC Oct. 2018 852-855
- Li, G.Y., see Lee, M., LWC Dec. 2018 962-965
- Li, H., see Zheng, H., LWC Dec. 2018 1030-1033
- Li, J., see Jiang, X., LWC June 2018 408-411
- Li, J., see Park, H., LWC June 2018 360-363
- Li, J., see Chen, R., LWC Aug. 2018 582-585
- Li, J., see Liu, J., LWC Aug. 2018 506-509
- Li, Q., see Zhao, S., LWC Dec. 2018 1078-1081
- Li, S., Wang, W., Zhou, B., Wang, J., Cheng, Y., and Wu, J., A (M, m) Authentication Scheme Against Mobile Sink Replicated Attack in Unattended Sensor Networks; LWC April 2018 250-253
- Li, S., see Wang, J., LWC Dec. 2018 894-897
- Li, T., Li, Y., Chen, Y., Cimini, L.J., and Zhang, H., Estimation of MIMO Transmit-Antenna Number Using Higher-Order Moments-Based Hypothesis Testing; *LWC April 2018 258-261*
- Li, X., see Niu, J., LWC Feb. 2018 30-33
- Li, X., Tao, X., and Chen, Z., Spatio-Temporal Compressive Sensing-Based Data Gathering in Wireless Sensor Networks; *LWC April 2018 198-201*
- Li, X., see Wang, H., LWC June 2018 368-371
- Li, X., see Wang, J., LWC Dec. 2018 894-897
- Li, Y., see Yao, C., LWC Feb. 2018 94-97
- Li, Y., see Li, T., LWC April 2018 258-261
- Li, Y., see Xu, M., LWC April 2018 178-181
- Li, Y., Guo, J., Niu, K., and Dong, C., Joint Optimization of Beamforming and Base Station Clustering Based on Leakage Rate; *LWC June 2018* 432-435
- Li, Y., see Gu, Y., LWC June 2018 348-351
- Li, Y., Wang, R., and Zhang, Z., Massive MIMO Downlink Goodput Analysis With Soft Pilot or Frequency Reuse; *LWC June 2018* 448-451
- Li, Y., see Shen, W., LWC Oct. 2018 736-739
- Li, Y., see Yu, W., LWC Dec. 2018 930-933
- Li, Y., and Aruma Baduge, G.A., NOMA-Aided Cell-Free Massive MIMO Systems; LWC Dec. 2018 950-953

Liang, T., An, K., and Shi, S., Statistical Modeling-Based Deployment Issue

Liang, X., Jiao, J., Wu, S., and Zhang, Q., Outage Analysis of Multirelay

in Cognitive Satellite Terrestrial Networks; LWC April 2018 202-205

Multiuser Hybrid Satellite-Terrestrial Millimeter-Wave Networks; LWC

Li, Z., see Shi, S., LWC Feb. 2018 34-37

Dec. 2018 1046-1049

Li, Z., see Singh, B., *LWC April 2018 182-185* Liang, C., see Hu, Y., *LWC Dec. 2018 1026-1029*

Liang, Y., see Zhang, X., LWC Oct. 2018 764-767

Liang, Y., see Wang, X., LWC Dec. 2018 918-921

Liao, R., see Song, H., LWC Aug. 2018 514-517

Liao, C., see Gau, R., LWC Feb. 2018 22-25

- Liau, Q.Y., Leow, C.Y., and Ding, Z., Amplify-and-Forward Virtual Full-Duplex Relaying-Based Cooperative NOMA; *LWC June 2018* 464-467
- Liavas, A.P., see Balatsoukas-Stimming, A., LWC Oct. 2018 868-871
- Lim, H., see Park, J., LWC Dec. 2018 906-909
- Lim, Y., Cho, Y.J., Oh, T., Lee, Y., and Chae, C., Relationship Between Cross-Polarization Discrimination (XPD) and Spatial Correlation in Indoor Small-Cell MIMO Systems; *LWC Aug.* 2018 654-657
- Lin, H., see Wei, C., LWC June 2018 456-459
- Lin, J., see Dai, J., LWC April 2018 222-225
- Lin, J., see Zeng, J., LWC Oct. 2018 708-711
- Lin, L., see Luo, Z., LWC Aug. 2018 530-533
- Lin, M., see Guo, K., LWC Dec. 2018 1054-1057
- Lin, S., see Gao, Q., LWC June 2018 288-291
- Liotta, A., see Torres Vega, M., LWC April 2018 278-281
- Liu, C., see He, D., LWC Aug. 2018 634-637
- Liu, F., see Luo, Z., LWC Aug. 2018 530-533
- Liu, J., see Cao, Y., LWC April 2018 174-177
- Liu, J., Sheng, M., and Li, J., Limitation of SDMA in Ultra-Dense Small Cell Networks; *LWC Aug. 2018 506-509*
- Liu, L., Patil, P., and Yu, W., Channel Diagonalization for Cloud Radio Access; LWC Aug. 2018 622-625
- Liu, L., see Harris, P., LWC Aug. 2018 594-597
- Liu, M., and Liu, Y., Price-Based Distributed Offloading for Mobile-Edge Computing With Computation Capacity Constraints; LWC June 2018 420-423
- Liu, X., see Zhang, Y., LWC June 2018 324-327
- Liu, X., Wang, W., Niyato, D., Zhao, N., and Wang, P., Evolutionary Game for Mining Pool Selection in Blockchain Networks; *LWC Oct. 2018* 760-763
- Liu, X., see Pan, Y., LWC Dec. 2018 1082-1085
- Liu, Y., see Liu, M., LWC June 2018 420-423
- Lo, Y., see Zhang, Y., LWC Aug. 2018 574-577
- Lou, Y., Zheng, Y., Cheng, J., and Zhao, H., Performance of SWIPT-Based Differential AF Relaying Over Nakagami-m Fading Channels With Direct Link; LWC Feb. 2018 106-109
- Loyka, S., and Dong, L., Optimal Full-Rank Signaling Over MIMO Wiretap Channels Under Interference Constraint; *LWC Aug. 2018 534-537*
- Lu, L., He, D., Xie, Q., Li, G.Y., and Yu, X., Graph-Based Path Selection and Power Allocation for DF Relay-Aided Transmission; *LWC Feb. 2018* 138-141
- Luo, Z., Lin, L., Guo, W., Wang, S., Liu, F., and Yan, H., One Symbol Blind Synchronization in SIMO Molecular Communication Systems; *LWC Aug.* 2018 530-533
- Luong, T.V., and Ko, Y., The BER Analysis of MRC-Aided Greedy Detection for OFDM-IM in Presence of Uncertain CSI; *LWC Aug. 2018 566-569*

М

- M. K., A., A Space-Time Transmission Scheme for Large MIMO Systems; LWC Feb. 2018 62-65
- M. K., A., Imperfect CSI Based Multi-Way Satellite Relaying; LWC Oct. 2018 864-867
- Ma, L., see Wu, X., LWC Oct. 2018 800-803
- Ma, S., Xu, E.L., Salimi, A., and Cui, S., A Novel Pilot Assignment Scheme in Massive MIMO Networks; *LWC April 2018 262-265*
- Ma, Y., see Zhang, X., LWC Aug. 2018 674-677
- Mabrouk, A., see El Shafie, A., LWC April 2018 238-241
- Macaluso, I., see Siljak, H., LWC Dec. 2018 902-905
- Machado, R., see Alves, D.I., LWC Feb. 2018 10-13
- MacKenzie, A.B., see Chatterjee, S., LWC June 2018 340-343
- Maghsudi, S., and Niyato, D., On Power-Efficient Planning in Dynamic Small Cell Networks; *LWC June 2018 304-307*
- Maghsudi, S., see Ranadheera, S., LWC Oct. 2018 688-691
- Mahonen, P., see Munari, A., LWC Aug. 2018 502-505
- Makki, B., Svensson, T., Buisman, K., Perez, J., and Alouini, M., Wireless Energy and Information Transmission in FSO and RF-FSO Links; LWC Feb. 2018 90-93
- Malkowsky, S., see Harris, P., LWC Aug. 2018 594-597
- Mann, P., Sah, A.K., Budhiraja, R., and Chaturvedi, A.K., Bit-Level Reduced Neighborhood Search for Low-Complexity Detection in Large MIMO Systems; *LWC April 2018 146-149*
- Mansukhani, J., and Ray, P., Simultaneous Detection and Channel Estimation for Censoring-Based Spectrum Sensing in Cognitive Radio Networks; *LWC June 2018 292-295*
- Mao, J., Gao, Z., Wu, Y., and Alouini, M., Over-Sampling Codebook-Based Hybrid Minimum Sum-Mean-Square-Error Precoding for Millimeter-Wave 3D-MIMO; *LWC Dec. 2018 938-941*

- Marchany, R., see Zeitz, K., LWC Aug. 2018 578-581
- Marchetti, N., see Siljak, H., LWC Dec. 2018 902-905
- Marey, M., Soft-Information Aided Channel Estimation With IQ Imbalance for Alternate-Relaying OFDM Cooperative Systems; LWC June 2018 308-311
- Marojevic, V., see Choi, J., LWC June 2018 428-431
- Marotta, M.A., Ahmadi, H., Rochol, J., DaSilva, L., and Both, C.B., Characterizing the Relation Between Processing Power and Distance Between BBU and RRH in a Cloud RAN; *LWC June 2018 472-475*
- Mathur, A., see Ai, Y., LWC Dec. 2018 1038-1041
- Mendes, L.L., see Santos Filho, J.C.S., LWC Dec. 2018 1018-1021
- Mishra, D., and Alexandropoulos, G.C., Jointly Optimal Spatial Channel Assignment and Power Allocation for MIMO SWIPT Systems; *LWC April 2018 214-217*
- Mittal, V., see Guruacharya, S., LWC April 2018 150-153
- Miyoshi, N., see Takahashi, Y., LWC Dec. 2018 898-901
- Mogensen, P., see Amorim, R., LWC Dec. 2018 958-961
- Molisch, A.F., see Burghal, D., LWC Oct. 2018 872-875
- Mongelli, M., see De Cola, T., LWC Oct. 2018 808-811
- Moretti, M., see Chen, R., LWC Aug. 2018 582-585
- Morris, K.A., see Zhang, C., LWC April 2018 206-209
- Mu, Y., see Sun, D., LWC April 2018 254-257
- Muhaidat, S., see Badarneh, O.S., LWC Dec. 2018 966-969
- Muller, C., see Alves, D.I., LWC Feb. 2018 10-13
- Munari, A., Douros, V.G., and Mahonen, P., Mixed Nash Equilibria for In-Band Full-Duplex Networks; LWC Aug. 2018 502-505
- Mysore Balasubramanya, N., see Cirik, A.C., LWC Feb. 2018 46-49

Ν

- Nagy, B., Elsabrouty, M., and Elramly, S., Fast Converging Weighted Neumann Series Precoding for Massive MIMO Systems; LWC April 2018 154-157
- Nain, G., Das, S.S., and Chatterjee, A., Low Complexity User Selection With Optimal Power Allocation in Downlink NOMA; *LWC April 2018* 158-161
- Nakashima, Y., Yamazato, T., Arai, S., Tanaka, H., and Tadokoro, Y., Noise-Aided Demodulation With One-Bit Comparator for Multilevel Pulse-Amplitude-Modulated Signals; *LWC Oct.* 2018 848-851
- Navarro Manchon, C., see Kotaba, R., LWC Aug. 2018 590-593
- Nealy, R., see Choi, J., LWC June 2018 428-431
- Nguyen, H., see Amorim, R., LWC Dec. 2018 958-961
- Nguyen, M.N.H., see Vo, P.L., LWC Dec. 2018 970-973
- Ni, Q., see Tian, D., LWC Feb. 2018 2-5
- Ni, Q., see Tian, D., LWC Aug. 2018 518-521
- Niu, H., see Zhu, Z., LWC June 2018 424-427
- Niu, J., Li, G.Y., Chen, X., Zheng, J., Fang, D., and Li, X., Resource Allocation in Reverse TDD Wireless Backhaul HetNets With 3D Massive Antennas; *LWC Feb. 2018 30-33*
- Niu, K., see Dai, J., LWC April 2018 222-225
- Niu, K., see Li, Y., LWC June 2018 432-435
- Niu, Z., see Jiang, Z., LWC June 2018 436-439
- Niyato, D., see Maghsudi, S., LWC June 2018 304-307
- Niyato, D., see Van Huynh, N., LWC Oct. 2018 820-823
- Niyato, D., see Liu, X., LWC Oct. 2018 760-763
- Noroozi, A., Oveis, A.H., Hosseini, S.M., and Sebt, M.A., Improved Algebraic Solution for Source Localization From TDOA and FDOA Measurements; *LWC June 2018 352-355*
- Nossek, J.A., see Jedda, H., LWC Dec. 2018 1006-1009

0

- Oh, T., see Lim, Y., LWC Aug. 2018 654-657
- Okandeji, A.A., Khandaker, M.R.A., Wong, K., Zheng, G., Zhang, Y., and Zheng, Z., Secure Full-Duplex Two-Way Relaying for SWIPT; *LWC June* 2018 336-339
- Oke Gunel, G., see Tedik Basaran, S., LWC Dec. 2018 998-1001
- Ong, L., see Jayasooriya, S., LWC Feb. 2018 110-113
- Orlando, D., see Giunta, G., LWC Aug. 2018 550-553
- Ottersten, B., see Vu, T.X., LWC June 2018 332-335
- Ouvang, J., see Guo, K., LWC Dec. 2018 1054-1057
- Oveis, A.H., see Noroozi, A., LWC June 2018 352-355

Pan, C., see Pan, Y., LWC Feb. 2018 130-133

1096

- Pan, P., see Wang, H., LWC June 2018 368-371
- Pan, Y., Pan, C., Yang, Z., and Chen, M., Resource Allocation for D2D Communications Underlaying a NOMA-Based Cellular Network; *LWC Feb.* 2018 130-133
- Pan, Y., Liu, X., Zheng, G., and Guan, K., Temporal Autocorrelation of Small-Scale Fading Using Leaky Coaxial Cable in Confined Space; *LWC Dec.* 2018 1082-1085
- Panagopoulos, A.D., see Roumeliotis, A.J., LWC Feb. 2018 58-61
- Panagopoulos, A.D., see Kourogiorgas, C.I., LWC June 2018 284-287
- Papafragkakis, A.Z., see Roumeliotis, A.J., LWC Feb. 2018 58-61
- Park, H., and Li, J., A Frequency-Domain SPICE Approach to High-Resolution Time Delay Estimation; LWC June 2018 360-363
- Park, J., Popovski, P., and Simeone, O., Minimizing Latency to Support VR Social Interactions Over Wireless Cellular Systems via Bandwidth Allocation; LWC Oct. 2018 776-779
- Park, J., Kim, Y., Kim, G., and Lim, H., Power Allocation for Multi-Hop Transmission Using Unsaturated Full-Duplex Relay Network Model; *LWC Dec.* 2018 906-909
- Park, S., see Lee, S., LWC Oct. 2018 828-831
- Park, Y., see Kim, H., LWC Oct. 2018 696-699
- Pastushok, I., and Bakin, E., On Interrelation of Video Streaming Characteristics in Centralized Wireless Networks; *LWC April 2018 226-229*
- Patil, P., see Liu, L., LWC Aug. 2018 622-625
- Paulraj, A., see Zhao, P., LWC Aug. 2018 614-617
- Pejoski, S., Hadzi-Velkov, Z., and Schober, R., Optimal Power and Time Allocation for WPCNs With Piece-Wise Linear EH Model; *LWC June* 2018 364-367
- Peng, M., see Yuan, S., LWC Oct. 2018 880-883
- Peng, X., and Qiu, L., Analysis of Multi-Antenna Small Cell Networks Modeled by Gauss–Poisson Process; *LWC Oct. 2018 704-707*
- Perez, J., see Makki, B., LWC Feb. 2018 90-93
- Pietrosemoli, E., see Jovalekic, N., LWC Dec. 2018 1058-1061
- Ping, L., see Hu, Y., LWC Dec. 2018 1026-1029
- Poitau, G., see Gagnon, F., LWC Dec. 2018 1086-1089
- Pollin, S., see Sallouha, H., LWC June 2018 376-379
- Poor, H.V., see Ding, Z., LWC Oct. 2018 692-695
- Popovski, P., see Kotaba, R., LWC Aug. 2018 590-593
- Popovski, P., see Park, J., LWC Oct. 2018 776-779

Q

- Qaraqe, K., see Sapenov, Y., LWC Feb. 2018 74-77
- Qi, H., see Zhang, X., LWC Aug. 2018 674-677
- Qian, Y., see Wu, D., LWC Dec. 2018 910-913
- Qin, X., see Chen, L., LWC Dec. 2018 942-945
- Qiu, C., Zhang, Y., Feng, Z., Zhang, P., and Cui, S., Spatio-Temporal Wireless Traffic Prediction With Recurrent Neural Network; *LWC Aug. 2018* 554-557
- Qiu, L., see Chen, G., LWC Feb. 2018 6-9
- Qiu, L., see Peng, X., LWC Oct. 2018 704-707
- Quek, T.Q.S., see He, D., LWC Aug. 2018 634-637
- Quek, T.Q.S., see Yang, H.H., LWC Dec. 2018 978-981

R

- Rajan, B.S., see Vaddi, M.B., LWC June 2018 396-399
- Ranadheera, S., Maghsudi, S., and Hossain, E., Computation Offloading and Activation of Mobile Edge Computing Servers: A Minority Game; LWC Oct. 2018 688-691
- Rasmussen, L.K., see Larsson, P., LWC June 2018 312-315
- Rastegar, S.H., Abbasfar, A., and Shah-Mansouri, V., On Fair Rule Caching in Software Defined Radio Access Networks; *LWC June 2018 460-463* Ray, P., see Mansukhani, J., *LWC June 2018 292-295*
- Razavizadeh, S.M., see Akhlaghpasand, H., LWC April 2018 242-245
- Ren, G., see Wang, H., LWC Aug. 2018 522-525
- Ren, J., see Zhang, D., LWC Aug. 2018 598-601
- Ren, P., see Bi, D., LWC April 2018 166-169
- Ren, Y., see Chan, T., LWC Feb. 2018 126-129

+ Check author entry for co-authors

RezazadehReyhani, A., see Farhang, A., LWC June 2018 344-347

- Rezki, Z., see Sapenov, Y., LWC Feb. 2018 74-77
- Ricciato, F., see Jovalekic, N., LWC Dec. 2018 1058-1061
- Rochol, J., see Marotta, M.A., LWC June 2018 472-475
- Rodriguez, M., see Du, J., LWC Dec. 2018 890-893
- Rohweder, D., see Freudenberger, J., LWC June 2018 412-415
- Rossi, P.S., see Ciuonzo, D., LWC April 2018 162-165
- Roumeliotis, A.J., Sagkriotis, S.E., Papafragkakis, A.Z., and Panagopoulos, A.D., D2D Communication for Adaptive Streaming Exploiting White Spaces in Transmissions of the Cellular Network; *LWC Feb. 2018* 58-61
- Roy, A., see Agiwal, M., LWC June 2018 416-419

S

- Sagkriotis, S.E., see Roumeliotis, A.J., LWC Feb. 2018 58-61
- Sah, A.K., see Mann, P., LWC April 2018 146-149
- Saha, C., see Afshang, M., LWC Oct. 2018 700-703
- Sakly, A., see Bouhlel, A., LWC Aug. 2018 542-545
- Salari, S., Kim, I., and Chan, F., Distributed Cooperative Localization for Mobile Wireless Sensor Networks; LWC Feb. 2018 18-21
- Salimi, A., see Ma, S., LWC April 2018 262-265
- Sallouha, H., Azari, M.M., Chiumento, A., and Pollin, S., Aerial Anchors Positioning for Reliable RSS-Based Outdoor Localization in Urban Environments; *LWC June 2018 376-379*
- Santos Filho, J.C.S., Gonzalez, D.C., Wolf, A., Mendes, L.L., Yacoub, M.D., and Fettweis, G., SNR-Aware Power Allocation Scheme for Lossy-Forward Relaying Systems; *LWC Dec.* 2018 1018-1021
- Sapenov, Y., Chaaban, A., Rezki, Z., Abdallah, M., Qaraqe, K., and Alouini, M., Diversity Order Results for MIMO Optical Wireless Communications; *LWC Feb. 2018* 74-77
- Savkin, A.V., see Huang, H., LWC Dec. 2018 994-997
- Saxena, N., see Agiwal, M., LWC June 2018 416-419
- Schmeink, A., see Tedik Basaran, S., LWC Dec. 2018 998-1001
- Schober, R., see Pejoski, S., LWC June 2018 364-367
- Sebt, M.A., see Noroozi, A., LWC June 2018 352-355
- Senanayake, R., see Smith, P.J., LWC Oct. 2018 804-807
- Seo, S., see Yun, J., LWC Dec. 2018 1066-1069
- Shaboyan, S., Behbahani, A.S., and Eltawil, A.M., Active Cancellation of Self-Interference for Full-Duplex Amplify and Forward Wi-Fi Relay; *LWC Dec. 2018 1050-1053*
- Shah-Mansouri, V., see Rastegar, S.H., LWC June 2018 460-463
- Shao, Z., de Lamare, R.C., and Landau, L.T.N., Iterative Detection and Decoding for Large-Scale Multiple-Antenna Systems With 1-Bit ADCs; *LWC June 2018 476-479*
- Shaqfeh, M., see Hafez, M., LWC Aug. 2018 646-649
- Sharma, A., see Choi, J., LWC June 2018 428-431
- Sharma, E., Shukla, A.K., and Budhiraja, R., Spectral- and Energy-Efficiency of Massive MIMO Two-Way Half-Duplex Hybrid Processing AF Relay; *LWC Oct. 2018* 876-879
- Sharma, E., see Singh, P., LWC Oct. 2018 844-847
- Shavgulidze, S., see Freudenberger, J., LWC June 2018 412-415
- Shen, H., see Huang, X., LWC Aug. 2018 526-529
- Shen, R., see Zhang, D., LWC Aug. 2018 598-601
- Shen, W., Dai, L., Li, Y., Wang, Z., and Hanzo, L., Channel Feedback Codebook Design for Millimeter-Wave Massive MIMO Systems Relying on Lens Antenna Array; *LWC Oct. 2018* 736-739
- Sheng, M., see Liu, J., LWC Aug. 2018 506-509
- Sheng, Z., see Tian, D., LWC Feb. 2018 2-5
- Sheng, Z., see Tian, D., LWC Aug. 2018 518-521
- Shental, O., Venkatesan, S., Ashikhmin, A., and Valenzuela, R.A., Massive BLAST: An Architecture for Realizing Ultra-High Data Rates for Large-Scale MIMO; *LWC June 2018 404-407*
- Shi, Q., see Zhao, M., LWC Oct. 2018 716-719
- Shi, R., see Fan, S., LWC Feb. 2018 66-69
- Shi, S., An, K., Li, G., Li, Z., Zhu, H., and Zheng, G., Optimal Power Control in Cognitive Satellite Terrestrial Networks With Imperfect Channel State Information; *LWC Feb.* 2018 34-37
- Shi, S., see Liang, T., LWC April 2018 202-205
- Shi, Y., see Cao, Y., LWC April 2018 174-177
- Shih, W., see Wen, C., LWC Oct. 2018 748-751
- Shikh-Bahaei, M., see Towhidlou, V., LWC April 2018 218-221
- Shim, B., see Ahn, J., LWC Feb. 2018 134-137
- Shimizu, T., see Va, V., LWC Oct. 2018 784-787
- Shin, O., see Le, T., LWC Oct. 2018 884-887
- Shin, S.Y., see Kader, M.F., *LWC June 2018 400-403* Shin, S.Y., see Kim, J.W., *LWC Oct. 2018 860-863*

Shirvanimoghaddam, M., see Jayasooriya, S., LWC Feb. 2018 110-113

Shukla, A.K., see Sharma, E., LWC Oct. 2018 876-879

- Shutin, D., see Walter, M., LWC Aug. 2018 662-665
- Siljak, H., Macaluso, I., and Marchetti, N., Distributing Complexity: A New Approach to Antenna Selection for Distributed Massive MIMO; *LWC Dec.* 2018 902-905
- Silva, Y.C.B., see Ardah, K., LWC June 2018 320-323
- Silva, Y.C.B., see de Olivindo Cavalcante, E., LWC Oct. 2018 788-791
- Simeone, O., see Park, J., LWC Oct. 2018 776-779
- Sinaie, M., Wing Kwan Ng, D., and Jorswieck, E.A., Resource Allocation in NOMA Virtualized Wireless Networks Under Statistical Delay Constraints; *LWC Dec.* 2018 954-957
- Singh, B., Tirkkonen, O., Li, Z., and Uusitalo, M.A., Contention-Based Access for Ultra-Reliable Low Latency Uplink Transmissions; *LWC April* 2018 182-185
- Singh, P., Sharma, E., Vasudevan, K., and Budhiraja, R., CFO and Channel Estimation for Frequency Selective MIMO-FBMC/OQAM Systems; *LWC Oct.* 2018 844-847
- Skoglund, M., see Larsson, P., LWC June 2018 312-315
- Smith, N., see Holub, J., LWC Aug. 2018 638-641
- Smith, P.J., Senanayake, R., and Dmochowski, P.A., How Accurate is Your Gaussian/Gamma Approximation?; *LWC Oct. 2018 804-807*
- Sofotasios, P.C., see Badarneh, O.S., LWC Dec. 2018 966-969
- Song, H., Wen, H., Hu, L., Chen, Y., and Liao, R., Optimal Power Allocation for Secrecy Rate Maximization in Broadcast Wiretap Channels; *LWC Aug.* 2018 514-517
- Song, J., see Wang, X., LWC April 2018 142-145
- Song, J., and Choi, W., Minimum Cache Size and Backhaul Capacity for Cache-Enabled Small Cell Networks; LWC Aug. 2018 490-493
- Song, L., see Yao, C., LWC Feb. 2018 94-97
- Song, Z., see Zheng, H., LWC Dec. 2018 1030-1033
- Sorensen, M., see Amorim, R., LWC Dec. 2018 958-961
- Sorensen, T.B., see Amorim, R., LWC Dec. 2018 958-961
- Su, R., see Jiang, F., LWC Dec. 2018 1022-1025
- Sun, D., and Mu, Y., Security of Grouping-Proof Authentication Protocol for Distributed RFID Systems; LWC April 2018 254-257
- Surya Vara Prasad, K.N.R., Hossain, E., and Bhargava, V.K., Low-Dimensionality of Noise-Free RSS and Its Application in Distributed Massive MIMO; *LWC Aug. 2018 486-489*

Svensson, T., see Makki, B., LWC Feb. 2018 90-93

- Szott, S., and Konorski, J., Selfish Attacks in Two-Hop IEEE 802.11 Relay Networks: Impact and Countermeasures; *LWC Aug. 2018 658-661* Szyszkowicz, S.S., see Bor-Yaliniz, I., *LWC June 2018 372-375*
 - Т
- Tadokoro, Y., see Nakashima, Y., LWC Oct. 2018 848-851
- Takahashi, Y., Chen, Y., Kobayashi, T., and Miyoshi, N., Simple and Fast PPP-Based Approximation of SIR Distributions in Downlink Cellular Networks; LWC Dec. 2018 898-901
- Tan, Z., see Wang, Y., LWC Feb. 2018 26-29
- Tanaka, H., see Nakashima, Y., LWC Oct. 2018 848-851
- Tang, J., Chen, G., and Coon, J.P., Meta Distribution of the Secrecy Rate in the Presence of Randomly Located Eavesdroppers; *LWC Aug. 2018* 630-633
- Tang, W., see Wang, J., LWC Dec. 2018 894-897
- Tao, M., see Zhang, N., LWC Oct. 2018 740-743
- Tao, X., see Li, X., LWC April 2018 198-201
- Taricco, G., and Alfano, G., Outage Information Rate of Doubly Correlated Multi-Cluster Scattering MIMO Channels; LWC Dec. 2018 1042-1045
- Tayakout, H., Dayoub, I., Ghanem, K., and Bousbia-Salah, H., Automatic Modulation Classification for D-STBC Cooperative Relaying Networks; *LWC Oct.* 2018 780-783
- Tedik Basaran, S., Kurt, G.K., Oke Gunel, G., Schmeink, A., Ascheid, G., and Dartmann, G., The Safety Analysis: Disagreement of Wireless Communication-Based Consensus; *LWC Dec. 2018 998-1001*
- Thompson, J., see Vlachos, E., LWC Dec. 2018 974-977
- Tian, D., Wei, J., Zhou, J., Sheng, Z., Chen, M., Ni, Q., and Leung, V.C.M., From Cellular Decision Making to Adaptive Handoff in Heterogeneous Wireless Networks; *LWC Feb. 2018 2-5*
- Tian, D., Dai, Z., Zhou, J., Duan, X., Sheng, Z., Chen, M., Ni, Q., and Leung, V.C.M., Optimal Epidemic Information Dissemination in Uncertain Dynamic Environment; *LWC Aug. 2018 518-521*

Tian, H., see Zhao, P., LWC Aug. 2018 614-617

- Tian, L., Zhao, M., Zhong, J., and Wen, L., Resource-Selection Based Low Complexity Detector for Uplink SCMA Systems With Multiple Antennas; *LWC June 2018 316-319*
- Tian, M., see Zhao, S., LWC Dec. 2018 1078-1081
- Tian, Z., see Wang, Y., LWC April 2018 190-193
- Tirkkonen, O., see Singh, B., LWC April 2018 182-185
- Toker, C., see Yuksekkaya, B., LWC Aug. 2018 494-497
- Tomic, S., Beko, M., Tuba, M., and Correia, V.M.F., Target Localization in NLOS Environments Using RSS and TOA Measurements; *LWC Dec.* 2018 1062-1065
- Torres Vega, M., Koonen, A.M.J., Liotta, A., and Famaey, J., Fast Millimeter Wave Assisted Beam-Steering for Passive Indoor Optical Wireless Networks; *LWC April 2018 278-281*
- Tourki, K., see El Shafie, A., LWC April 2018 238-241
- Towhidlou, V., and Shikh-Bahaei, M., Improved Cognitive Networking Through Full Duplex Cooperative ARQ and HARQ; LWC April 2018 218-221
- Tran, N.H., see Vo, P.L., LWC Dec. 2018 970-973
- Tront, J., see Zeitz, K., LWC Aug. 2018 578-581
- Tseng, Y., see Chan, T., LWC Feb. 2018 126-129
- Tuba, M., see Tomic, S., LWC Dec. 2018 1062-1065
- Tufvesson, F., see Harris, P., LWC Aug. 2018 594-597
- Tuncer, T.E., see Demir, O.T., LWC Feb. 2018 122-125

U

- Ubaidulla, P., see Ayir, N., LWC Oct. 2018 772-775
- Uchoa-Filho, B.F., see Alves, D.I., LWC Feb. 2018 10-13
- Uchoa-Filho, B.F., see Inacio, J.C., LWC Aug. 2018 650-653
- Urriza, P., see Laghate, M., LWC Feb. 2018 70-73
- Uusitalo, M.A., see Singh, B., LWC April 2018 182-185

V

- Va, V., Choi, J., Shimizu, T., Bansal, G., and Heath, R.W., Impact of Measurement Noise on Millimeter Wave Beam Alignment Using Beam Subsets; LWC Oct. 2018 784-787
- Vaddi, M.B., and Rajan, B.S., Capacity of Symmetric Index Coding Problems With X-Network Setting With 2×2 Local Connectivity; *LWC June 2018* 396-399
- Valente, D., Cada, M., Ilow, J., and Cianca, E., Spectrum Efficient Time-Domain Multiplexing With Linear Prolate Functions; *LWC Aug. 2018* 666-669
- Valenzuela, R.A., see Shental, O., LWC June 2018 404-407
- Valenzuela, R.A., see Du, J., LWC Dec. 2018 890-893
- Van Der Perre, L., see Larsson, E.G., LWC Aug. 2018 610-613
- Van Huynh, N., Hoang, D.T., Niyato, D., Wang, P., and Kim, D.I., Optimal Time Scheduling for Wireless-Powered Backscatter Communication Networks; *LWC Oct. 2018 820-823*
- Varshney, P.K., see Wei, C., LWC June 2018 456-459
- Vasudevan, K., see Singh, P., LWC Oct. 2018 844-847
- Venkatesan, S., see Shental, O., LWC June 2018 404-407
- Visotsky, E., see Kulkarni, M.N., LWC Oct. 2018 756-759
- Vlachos, E., Lalos, A.S., Berberidis, K., and Thompson, J., Adaptive Windowing for ICI Mitigation in Vehicular Communications; *LWC Dec. 2018* 974-977
- Vo, P.L., Nguyen, M.N.H., Le, T.A., and Tran, N.H., Slicing the Edge: Resource Allocation for RAN Network Slicing; *LWC Dec.* 2018 970-973
- Vu, T.X., Chatzinotas, S., Ottersten, B., and Duong, T.Q., Energy Minimization for Cache-Assisted Content Delivery Networks With Wireless Backhaul; *LWC June 2018 332-335*
- Vucetic, B., see Gu, Y., LWC June 2018 348-351

w

- Wallbaum, M., see Holub, J., LWC Aug. 2018 638-641
- Walter, M., Shutin, D., and Dammann, A., Algebraic Analysis of the Poles in the Doppler Spectrum for Vehicle-to-Vehicle Channels; *LWC Aug. 2018* 662-665
- Wan, Q., see Xie, L., LWC April 2018 194-197
- Wan, X., see Wang, Z., LWC April 2018 230-233

Wang, B., see Guo, T., LWC Aug. 2018 562-565

1098

- Wang, C., see Yan, X., LWC Aug. 2018 538-541
- Wang, H., see Ding, F., LWC Feb. 2018 102-105
- Wang, H., Yang, D., Li, X., and Pan, P., How Many Signals Can Be Sent in a Multi-Cell Massive MIMO System; LWC June 2018 368-371
- Wang, H., see He, D., LWC Aug. 2018 634-637
- Wang, H., Ren, G., Chen, J., Ding, G., and Yang, Y., Unmanned Aerial Vehicle-Aided Communications: Joint Transmit Power and Trajectory Optimization; LWC Aug. 2018 522-525
- Wang, H., see Zheng, T., LWC Dec. 2018 946-949 Wang, J., see Wang, X., LWC April 2018 142-145
- Wang, J., see Li, S., LWC April 2018 250-253
- Wang, J., see Zhang, J., LWC June 2018 440-443
- Wang, J., Xu, K., Xu, Y., and Zhang, D., Pseudo-Systematic Decoding of Hybrid Instantly Decodable Network Code for Wireless Broadcasting; LWC Oct. 2018 840-843
- Wang, J., see Yuan, S., LWC Oct. 2018 880-883
- Wang, J., Tang, W., Li, X., and Li, S., Filter Hopping Based Faster-Than-Nyquist Signaling for Physical Layer Security; LWC Dec. 2018 894-897
- Wang, J.T., Interference-Free Criterion for Interference-Unaware Receive Transform in MIMO Co-Channel Interference; LWC April 2018 210-213
- Wang, P., see Van Huynh, N., LWC Oct. 2018 820-823
- Wang, P., see Liu, X., LWC Oct. 2018 760-763
- Wang, R., see Li, Y., LWC June 2018 448-451
- Wang, S., see Luo, Z., LWC Aug. 2018 530-533
- Wang, W., see Li, S., LWC April 2018 250-253
- Wang, W., see Liu, X., LWC Oct. 2018 760-763 Wang, W., see Ji, S., LWC Dec. 2018 1034-1037
- Wang, X., Wang, J., He, L., and Song, J., Outage Analysis for Downlink NOMA With Statistical Channel State Information; LWC April 2018 142-145
- Wang, X., see Wei, R., LWC April 2018 170-173
- Wang, X., see Du, Y., LWC Aug. 2018 682-685
- Wang, X., Wu, X., Zhang, X., and Liang, Y., An Energy-Efficient Network-Wide Broadcast Protocol for Asynchronous Wireless Sensor Networks; LWC Dec. 2018 918-921
- Wang, Y., Cui, Q., Haenggi, M., and Tan, Z., On the SIR Meta Distribution for Poisson Networks With Interference Cancellation; LWC Feb. 2018 26-29
- Wang, Y., and Tian, Z., Multiple Symbol Differential Detection for Noncoherent Communications With Large-Scale Antenna Arrays; LWC April 2018 190-193
- Wang, Y., Xie, S., and Xie, Z., FISTA-Based PAPR Reduction Method for Tone Reservation's OFDM System; LWC June 2018 300-303
- Wang, Y., see Yang, H.H., LWC Dec. 2018 978-981
- Wang, Y., Zhao, M., Deng, D., Zhou, S., and Zhou, W., Fractional Sparse Code Multiple Access and Its Optimization; LWC Dec. 2018 990-993
- Wang, Z., Wen, C., Fan, Z., and Wan, X., A Novel Price-Based Power Allocation Algorithm in Non-Orthogonal Multiple Access Networks; LWC April 2018 230-233
- Wang, Z., see Zhu, Z., LWC June 2018 424-427
- Wang, Z., see Zeng, J., LWC Oct. 2018 708-711
- Wang, Z., see Shen, W., LWC Oct. 2018 736-739
- Ward, R.K., see Guo, C., LWC Dec. 2018 986-989
- Wei, C., Lin, H., Chen, P., Han, Y.S., and Varshney, P.K., Target Localization Using Sensor Location Knowledge in Wireless Sensor Networks; LWC June 2018 456-459
- Wei, G., see Chen, L., LWC Dec. 2018 942-945
- Wei, J., see Tian, D., LWC Feb. 2018 2-5
- Wei, R., and Wang, X., Differential 16-QAM and 16-APSK for Uplink Massive MIMO Systems; LWC April 2018 170-173
- Wei, Y., see Wu, X., LWC Oct. 2018 800-803
- Wen, C., see Wang, Z., LWC April 2018 230-233
- Wen, C., Shih, W., and Jin, S., Deep Learning for Massive MIMO CSI Feedback; LWC Oct. 2018 748-751
- Wen, C., see He, H., LWC Oct. 2018 852-855
- Wen, H., see Song, H., LWC Aug. 2018 514-517
- Wen, L., see Tian, L., LWC June 2018 316-319
- Wen, M., see Jiang, X., LWC June 2018 408-411 Wen, M., see Hu, Z., LWC Aug. 2018 618-621
- Wigard, J., see Amorim, R., LWC Dec. 2018 958-961 Wing Kwan Ng, D., see Sinaie, M., LWC Dec. 2018 954-957
- Withers, J., see Choi, J., LWC June 2018 428-431
- Wolf, A., see Santos Filho, J.C.S., LWC Dec. 2018 1018-1021
- Wong, K., see Okandeji, A.A., LWC June 2018 336-339
- Wong, W.S., see Zhang, Y., LWC Aug. 2018 574-577
- Wu, C., see Gau, R., LWC Feb. 2018 22-25

+ Check author entry for co-authors

- Wu, D., Zhou, L., Cai, Y., and Qian, Y., Optimal Content Sharing Mode Selection for Social-Aware D2D Communications; LWC Dec. 2018 910-913
- Wu, J., see Li, S., LWC April 2018 250-253
- Wu, J., see Cai, D., LWC June 2018 468-471
- Wu, J., see Yu, W., LWC Dec. 2018 930-933
- Wu, L., Yang, L., Chen, J., and Alouini, M., Physical Layer Security for Cooperative Relaying Over Generalized-K Fading Channels; LWC Aug. 2018 606-609
- Wu, L., see Jiang, H., LWC Oct. 2018 836-839
- Wu, Q., see Zhang, Y., LWC June 2018 324-327
- Wu, S., see Liang, X., LWC Dec. 2018 1046-1049
- Wu, T., and Chen, T., Dual Carrier Modulation in Channel Aggregation for 60 GHz WLAN Systems; LWC Oct. 2018 792-795
- Wu, W., see Guo, T., LWC Aug. 2018 562-565
- Wu, X., Jiang, M., Zhao, C., Ma, L., and Wei, Y., Low-Rate PBRL-LDPC Codes for URLLC in 5G; LWC Oct. 2018 800-803
- Wu, X., see Wang, X., LWC Dec. 2018 918-921
- Wu, Y., see Cao, K., LWC Aug. 2018 570-573
- Wu, Y., see Mao, J., LWC Dec. 2018 938-941

Х

- Xiang, Z., see Bi, D., LWC April 2018 166-169
- Xiao, H., see Yan, X., LWC Aug. 2018 538-541
- Xiao, L., see Fan, S., LWC Feb. 2018 66-69
- Xiao, M., see Zhang, J., LWC June 2018 440-443
- Xiao, Y., see Fan, S., LWC Feb. 2018 66-69
- Xie, G., see Huang, X., LWC Dec. 2018 1014-1017
- Xie, L., and Wan, Q., Automatic Modulation Recognition for Phase Shift Keying Signals With Compressive Measurements; LWC April 2018 194-197
- Xie, Q., see Lu, L., LWC Feb. 2018 138-141
- Xie, S., see Wang, Y., LWC June 2018 300-303
- Xie, Z., see Wang, Y., LWC June 2018 300-303
- Xiong, Y., see Lee, M., LWC Dec. 2018 962-965
- Xu, E.L., see Ma, S., LWC April 2018 262-265
- Xu, E.L., see Zhang, K., LWC Aug. 2018 586-589
- Xu, H., see Chen, R., LWC Aug. 2018 582-585
- Xu, K., see Wang, J., LWC Oct. 2018 840-843
- Xu, M., Jin, M., Guo, Q., and Li, Y., Multichannel Selection for Cognitive Radio Networks With RF Energy Harvesting; LWC April 2018 178-181
- Xu, W., see Huang, X., LWC Aug. 2018 526-529
- Xu, W., see Zhao, M., LWC Oct. 2018 716-719
- Xu, W., see Huang, X., LWC Dec. 2018 1014-1017
- Xu, X., see Li, B., LWC Feb. 2018 78-81
- Xu, Y., see Zhang, Y., LWC June 2018 324-327
- Xu, Y., see Wang, J., LWC Oct. 2018 840-843
- Xue, X., see Zhang, J., LWC Feb. 2018 14-17

Y

- Yacoub, M.D., see Santos Filho, J.C.S., LWC Dec. 2018 1018-1021
- Yamazato, T., see Nakashima, Y., LWC Oct. 2018 848-851
- Yan, F., Zhang, X., and Zhang, H., Flooding With Network Coding Under a Schedule-Based Spanning Tree in Low-Duty-Cycle Wireless Sensor Networks; LWC April 2018 270-273
- Yan, H., see Luo, Z., LWC Aug. 2018 530-533
- Yan, X., Xiao, H., Wang, C., and An, K., Outage Performance of NOMA-Based Hybrid Satellite-Terrestrial Relay Networks; LWC Aug. 2018 538-541
- Yang, D., see Wang, H., LWC June 2018 368-371

Yang, L., see Wu, L., LWC Aug. 2018 606-609

Yang, L., see Yu, J., LWC Oct. 2018 728-731 Yang, N., see Yu, H., LWC Oct. 2018 744-747

Yang, P., see Fan, S., LWC Feb. 2018 66-69

Yang, W., see Cao, K., LWC Aug. 2018 570-573

Yang, Z., see Pan, Y., LWC Feb. 2018 130-133

Yang, Y., see Wang, H., LWC Aug. 2018 522-525

Yang, H.H., Wang, Y., and Quek, T.Q.S., Delay Analysis of Random Scheduling and Round Robin in Small Cell Networks; LWC Dec. 2018 978-981 Yang, J., see Cai, D., LWC June 2018 468-471

- Yanikomeroglu, H., see Alzenad, M., LWC Feb. 2018 38-41
- Yanikomeroglu, H., see Lagum, F., LWC June 2018 384-387
- Yanikomeroglu, H., see Bor-Yaliniz, I., LWC June 2018 372-375
- Yao, C., Song, L., and Li, Y., X-Duplex Radios: Flexible Switching Between Full-Duplex and Half-Duplex; LWC Feb. 2018 94-97
- Yao, G., see Zhan, C., LWC Aug. 2018 510-513
- Yao, K., see Zhang, Y., LWC June 2018 324-327
- Ye, H., Li, G.Y., and Juang, B., Power of Deep Learning for Channel Estimation and Signal Detection in OFDM Systems; LWC Feb. 2018 114-117
- Ye, N., see Yu, H., LWC Oct. 2018 744-747
- You, L., see Deng, T., LWC Aug. 2018 558-561
- You, X., see Huang, X., LWC Aug. 2018 526-529
- You, X., see Huang, X., LWC Dec. 2018 1014-1017
- Yu, G., see Lee, M., LWC Dec. 2018 962-965
- Yu, H., see Hu, Z., LWC Aug. 2018 618-621
- Yu, H., Fei, Z., Yang, N., and Ye, N., Optimal Design of Resource Element Mapping for Sparse Spreading Non-Orthogonal Multiple Access; LWC Oct. 2018 744-747
- Yu, J., Zhang, R., Gao, Y., and Yang, L., Modularity-Based Dynamic Clustering for Energy Efficient UAVs-Aided Communications; LWC Oct. 2018 728-731
- Yu, T., see Zhang, J., LWC June 2018 440-443
- Yu, W., see Liu, L., LWC Aug. 2018 622-625
- Yu, W., Wu, J., Li, Y., and Zhang, B., A Hybrid Digital-Analog Chaotic Code; LWC Dec. 2018 930-933
- Yu, X., see Lu, L., LWC Feb. 2018 138-141
- Yu, X., Cui, Q., and Haenggi, M., Coherent Joint Transmission in Downlink Heterogeneous Cellular Networks; LWC April 2018 274-277
- Yuan, D., see Deng, T., LWC Aug. 2018 558-561
- Yuan, S., Wang, J., and Peng, M., Performance Analysis of Reversible Binding Receptor Based Decode-and-Forward Relay in Molecular Communication Systems; LWC Oct. 2018 880-883
- Yuksekkaya, B., and Toker, C., Power and Interference Regulated Water-Filling for Multi-Tier Multi-Carrier Interference Aware Uplink; LWC Aug. 2018 494-497
- Yun, J., Seo, S., and Chung, J., Centralized Trust-Based Secure Routing in Wireless Networks; LWC Dec. 2018 1066-1069

Ζ

- Zappone, A., Atapattu, S., Di Renzo, M., Evans, J., and Debbah, M., Energy-Efficient Relay Assignment and Power Control in Multi-User and Multi-Relay Networks; LWC Dec. 2018 1070-1073
- Zeitz, K., Cantrell, M., Marchany, R., and Tront, J., Changing the Game: A Micro Moving Target IPv6 Defense for the Internet of Things; LWC Aug. 2018 578-581
- Zeng, J., Lin, J., and Wang, Z., Low Complexity Message Passing Detection Algorithm for Large-Scale MIMO Systems; LWC Oct. 2018 708-711
- Zeng, Y., see Lee, S., LWC Feb. 2018 54-57
- Zeng, Y., see Zhan, C., LWC June 2018 328-331
- Zennaro, M., see Jovalekic, N., LWC Dec. 2018 1058-1061
- Zewede, B., see Choi, J., LWC June 2018 428-431
- Zhai, D., and Du, J., Spectrum Efficient Resource Management for Multi-Carrier-Based NOMA Networks: A Graph-Based Method; LWC June 2018 388-391
- Zhai, D., and Zhang, R., Joint Admission Control and Resource Allocation for Multi-Carrier Uplink NOMA Networks; LWC Dec. 2018 922-925
- Zhan, C., Zeng, Y., and Zhang, R., Energy-Efficient Data Collection in UAV Enabled Wireless Sensor Network; LWC June 2018 328-331
- Zhan, C., and Yao, G., Cooperative Transmission in Small Cell Networks Using Network Coding; LWC Aug. 2018 510-513
- Zhang, B., see Hu, H., LWC Oct. 2018 752-755
- Zhang, B., see Guo, K., LWC Oct. 2018 816-819
- Zhang, B., see Yu, W., LWC Dec. 2018 930-933
- Zhang, B., see Guo, K., LWC Dec. 2018 1054-1057
- Zhang, C., Laughlin, L., Beach, M.A., Morris, K.A., and Haine, J.L., Phase Noise in Full-Duplex Radios Using Off-the-Shelf Oscillators; LWC April 2018 206-209
- Zhang, D., Shen, R., Ren, J., and Zhang, Y., Delay-Optimal Proactive Service Framework for Block-Stream as a Service; LWC Aug. 2018 598-601
- Zhang, D., see Wang, J., LWC Oct. 2018 840-843
- Zhang, H., see Li, T., LWC April 2018 258-261
- Zhang, H., see Yan, F., LWC April 2018 270-273

+ Check author entry for co-authors

Zhang, H., see Huang, X., LWC Aug. 2018 526-529

Zhang, H., see Zhang, K., LWC Aug. 2018 586-589

Zhang, J., Xue, X., Bjornson, E., Ai, B., and Jin, S., Spectral Efficiency of Multipair Massive MIMO Two-Way Relaying With Hardware Impairments; LWC Feb. 2018 14-17

1099

- Zhang, J., Huang, Y., Yu, T., Wang, J., and Xiao, M., Hybrid Precoding for Multi-Subarray Millimeter-Wave Communication Systems; LWC June 2018 440-443
- Zhang, J., see Lagias, A.E., LWC June 2018 392-395
- Zhang, J., see Hu, H., LWC Oct. 2018 752-755
- Zhang, K., Xu, E.L., Zhang, H., Feng, Z., and Cui, S., Data Driven Automatic Modulation Classification via Dictionary Learning; LWC Aug. 2018 586-589
- Zhang, N., and Tao, M., Fitness-Aware Coded Multicasting for Decentralized Caching With Finite File Packetization; LWC Oct. 2018 740-743
- Zhang, P., see Qiu, C., LWC Aug. 2018 554-557
- Zhang, Q., see Liang, X., LWC Dec. 2018 1046-1049
 - Zhang, R., see Lee, S., LWC Feb. 2018 54-57
 - Zhang, R., see Zhan, C., LWC June 2018 328-331
- Zhang, R., see Yu, J., LWC Oct. 2018 728-731
- Zhang, R., see Zhai, D., LWC Dec. 2018 922-925
- Zhang, S., see Kai, C., LWC Feb. 2018 86-89
- Zhang, W., Exemplary Reviewers 2017; LWC Feb. 2018 1
- Zhang, X., see Yan, F., LWC April 2018 270-273
- Zhang, X., Ma, Y., Qi, H., and Gao, Y., Low-Complexity Compressive Spectrum Sensing for Large-Scale Real-Time Processing; LWC Aug. 2018 674-672
- Zhang, X., Labeau, F., Liang, Y., and Fang, J., Compressive Sensing-Based Multiuser Detection via Iterative Reweighed Approach in M2M Communications; LWC Oct. 2018 764-767
- Zhang, X., see Wang, X., LWC Dec. 2018 918-921
- Zhang, Y., see Okandeji, A.A., LWC June 2018 336-339
- Zhang, Y., Xu, Y., Wu, Q., Liu, X., Yao, K., and Anpalagan, A., A Game-Theoretic Approach for Optimal Distributed Cooperative Hybrid Caching in D2D Networks; LWC June 2018 324-327
- Zhang, Y., see Qiu, C., LWC Aug. 2018 554-557
- Zhang, Y., see Zhang, D., LWC Aug. 2018 598-601
- Zhang, Y., Lo, Y., and Wong, W.S., On Channel Hopping Sequences With Full Rendezvous Diversity for Cognitive Radio Networks; LWC Aug. 2018 574-577
- Zhang, Z., see Li, Y., LWC June 2018 448-451
- Zhang, Z., see Jiang, H., LWC Oct. 2018 836-839
- Zhao, C., see Wu, X., LWC Oct. 2018 800-803
- Zhao, H., see Lou, Y., LWC Feb. 2018 106-109
- Zhao, L., see Guo, C., LWC Dec. 2018 986-989
- Zhao, M., see Tian, L., LWC June 2018 316-319
- Zhao, M., Chen, X., Shi, Q., and Xu, W., Joint Transmit Beamforming and Antenna Selection in MIMO Systems; LWC Oct. 2018 716-719
- Zhao, M., see Wang, Y., LWC Dec. 2018 990-993
- Zhao, N., see Chen, B., LWC Oct. 2018 732-735
- Zhao, N., see Liu, X., LWC Oct. 2018 760-763
- Zhao, P., Tian, H., Fan, S., and Paulraj, A., Information Prediction and Dynamic Programming-Based RAN Slicing for Mobile Edge Computing; LWC Aug. 2018 614-617
- Zhao, S., Tian, M., and Li, Q., Robust Transmission in Non-Orthogonal Multiple Access AF Relay Networks; LWC Dec. 2018 1078-1081
- Zheng, C., see Ding, F., LWC Feb. 2018 102-105
- Zheng, G., see Shi, S., LWC Feb. 2018 34-37
- Zheng, G., see Okandeji, A.A., LWC June 2018 336-339
- Zheng, G., see Guo, K., LWC Oct. 2018 816-819
- Zheng, G., see Pan, Y., LWC Dec. 2018 1082-1085
- Zheng, H., Hou, S., Li, H., Song, Z., and Hao, Y., Power Allocation and User Clustering for Uplink MC-NOMA in D2D Underlaid Cellular Networks; LWC Dec. 2018 1030-1033
- Zheng, J., see Niu, J., LWC Feb. 2018 30-33
- Zheng, T., Wang, H., and Deng, H., Improving Anti-Eavesdropping Ability Without Eavesdropper's CSI: A Practical Secure Transmission Design Perspective; LWC Dec. 2018 946-949
- Zheng, Y., see Lou, Y., LWC Feb. 2018 106-109
- Zheng, Y., see Jiang, X., LWC June 2018 408-411
- Zheng, Z., see Okandeji, A.A., LWC June 2018 336-339
- Zheng, Z., see Ji, S., LWC Dec. 2018 1034-1037
- Zhong, J., see Tian, L., LWC June 2018 316-319
- Zhou, B., see Li, S., LWC April 2018 250-253
- Zhou, F., see Zhu, Z., LWC June 2018 424-427 Zhou, J., see Tian, D., LWC Aug. 2018 518-521

Zhou, L., see Wu, D., LWC Dec. 2018 910-913

Zhou, J., see Tian, D., LWC Feb. 2018 2-5

- Zhou, S., see Jiang, Z., LWC June 2018 436-439
- Zhou, S., see Wang, Y., LWC Dec. 2018 990-993
- Zhou, W., see Wang, Y., LWC Dec. 2018 990-993
- Zhou, Y., see Ding, F., LWC Feb. 2018 102-105
- Zhu, G., see Gao, Q., LWC June 2018 288-291
- Zhu, H., see Shi, S., LWC Feb. 2018 34-37
- Zhu, W., see Du, Y., LWC Aug. 2018 682-685
- Zhu, W., see Guo, K., LWC Dec. 2018 1054-1057
- Zhu, Z., Chu, Z., Zhou, F., Niu, H., Wang, Z., and Lee, I., Secure Beamforming Designs for Secrecy MIMO SWIPT Systems; *LWC June 2018* 424-427

SUBJECT INDEX

Numeric

3G mobile communication

- Correction Factor for Analysis of MIMO Wireless Networks With Highly Directional Beamforming. *Kulkarni, M.N.*, +, *LWC Oct. 2018 756-759* Equi-Coverage Contours in Cellular Networks. *Afshang, M.*, +, *LWC Oct. 2018 700-703*
- How to Reduce Unexpected eMBMS Session Disconnection: Design and Performance Analysis. *Chan, T., +, LWC Feb. 2018 126-129*

5G mobile communication

Compressive Sensing-Based Multiuser Detection via Iterative Reweighed Approach in M2M Communications. *Zhang, X.*, +, *LWC Oct. 2018* 764-767

Contention-Based Access for Ultra-Reliable Low Latency Uplink Transmissions. Singh, B., +, LWC April 2018 182-185

Environment-Aware Drone-Base-Station Placements in Modern Metropolitans. *Bor-Yaliniz, I., +, LWC June 2018 372-375*

- Information Prediction and Dynamic Programming-Based RAN Slicing for Mobile Edge Computing. *Zhao, P., +, LWC Aug. 2018 614-617*
- Low-Rate PBRL-LDPC Codes for URLLC in 5G. Wu, X., +, LWC Oct. 2018 800-803
- Mobile Assisted Directional Paging (MADP) in Emerging 5G Wireless Networks. Agiwal, M., +, LWC June 2018 416-419
- Multi-User Detection Using ADMM-Based Compressive Sensing for Uplink Grant-Free NOMA. Cirik, A.C., +, LWC Feb. 2018 46-49

Partially Active Message Passing Receiver for MIMO-SCMA Systems. Dai, J., +, LWC April 2018 222-225

Rate and Outage Probability in Dual Band Systems With Prediction-Based Band Switching. *Burghal, D.*, +, *LWC Oct. 2018* 872-875

Resource-Selection Based Low Complexity Detector for Uplink SCMA Systems With Multiple Antennas. *Tian, L., +, LWC June 2018 316-319*

Slicing the Edge: Resource Allocation for RAN Network Slicing. Vo, P.L., +, LWC Dec. 2018 970-973

А

Access protocols

- Mixed Nash Equilibria for In-Band Full-Duplex Networks. *Munari, A., +, LWC Aug. 2018 502-505*
- Multiple Packet Transmissions in Duty Cycling WSNs: A DTMC-Based Throughput Analysis. *Guntupalli, L., +, LWC June 2018 480-483*

Selfish Attacks in Two-Hop IEEE 802.11 Relay Networks: Impact and Countermeasures. Szott, S., +, LWC Aug. 2018 658-661

Success Probability and Area Spectral Efficiency of a VANET Modeled as a Cox Process. *Chetlur, V.V.*, +, *LWC Oct. 2018 856-859*

Accident prevention

Measurement and Configuration of DSRC Radios for Vehicle-to-Train (V2T) Safety-Critical Communications. *Choi, J.*, +, *LWC June 2018* 428-431

Admission control

Joint Admission Control and Resource Allocation for Multi-Carrier Uplink NOMA Networks. Zhai, D., +, LWC Dec. 2018 922-925

Aerospace communication

Modularity-Based Dynamic Clustering for Energy Efficient UAVs-Aided Communications. Yu, J., +, LWC Oct. 2018 728-731

Aircraft communication

Unmanned Aerial Vehicle-Aided Communications: Joint Transmit Power and Trajectory Optimization. Wang, H., +, LWC Aug. 2018 522-525 Measurement and Configuration of DSRC Radios for Vehicle-to-Train (V2T) Safety-Critical Communications. *Choi, J.*, +, *LWC June 2018* 428-431

Algebra

Algebraic Analysis of the Poles in the Doppler Spectrum for Vehicle-to-Vehicle Channels. *Walter, M., +, LWC Aug. 2018 662-665*

Amplify and forward communication

- Amplify-and-Forward Virtual Full-Duplex Relaying-Based Cooperative NOMA. *Liau, Q.Y.*, +, *LWC June 2018 464-467*
- Impact of Relay's Eavesdropping on Untrusted Amplify-and-Forward Networks Over Nakagami-m Fading. *Ding, F.*, +, *LWC Feb.* 2018 102-105 Performance of SWIPT-Based Differential AF Relaying Over Nakagami-m
- Fading Channels With Direct Link. Lou, Y., +, LWC Feb. 2018 106-109 Secure Full-Duplex Two-Way Relaying for SWIPT. Okandeji, A.A., +, LWC June 2018 336-339
- Spectral- and Energy-Efficiency of Massive MIMO Two-Way Half-Duplex
- Hybrid Processing AF Relay. Sharma, E., +, LWC Oct. 2018 876-879 Transceiver Design for MIMO Full-Duplex Two-Way Relay Network. Ayir,
 - N., +, LWC Oct. 2018 772-775
- Two-Way Full-Duplex Spatial Modulation Systems With Wireless Powered AF Relaying. *Koc, A., +, LWC June 2018 444-447*
- Analog-digital conversion
 - Iterative Detection and Decoding for Large-Scale Multiple-Antenna Systems With 1-Bit ADCs. *Shao, Z., +, LWC June 2018 476-479*

Analytical models

Delay Analysis of Random Scheduling and Round Robin in Small Cell Networks. Yang, H.H., +, LWC Dec. 2018 978-981

Angular momentum

Beam Steering for the Misalignment in UCA-Based OAM Communication Systems. *Chen, R.*, +, *LWC Aug. 2018 582-585*

Antenna arrays

- A Novel Approximate Antenna Pattern for Directional Antenna Arrays. Deng, N., +, LWC Oct. 2018 832-835
- A Secret-Key-Aided Scheme to Secure Transmissions From Single-Antenna RF-EH Source Nodes. *El Shafie, A., +, LWC April 2018 238-241* Achievable Rates and Training Overheads for a Measured LOS Massive MIMO Channel. *Harris, P., +, LWC Aug. 2018 594-597*
- Analysis of Multi-Antenna Small Cell Networks Modeled by Gauss-Poisson Process. Peng, X., +, LWC Oct. 2018 704-707
- Approximate BER Analysis for MAC Systems. Alves, D.I., +, LWC Feb. 2018 10-13
- Area Spectral Efficiency Analysis of Multi-Antenna Networks Modeled by Ginibre Point Process. Chen, G., +, LWC Feb. 2018 6-9
- Beam Steering for the Misalignment in UCA-Based OAM Communication Systems. Chen, R., +, LWC Aug. 2018 582-585
- Channel Diagonalization for Cloud Radio Access. Liu, L., +, LWC Aug. 2018 622-625
- Detection of Load-Modulated Multiuser MIMO Signals. Bhat, S., +, LWC April 2018 266-269
- Differential 16-QAM and 16-APSK for Uplink Massive MIMO Systems. Wei, R., +, LWC April 2018 170-173
- Distributing Complexity: A New Approach to Antenna Selection for Distributed Massive MIMO. *Siljak, H.*, +, *LWC Dec. 2018 902-905*
- Estimation of MIMO Transmit-Antenna Number Using Higher-Order Moments-Based Hypothesis Testing. Li, T., +, LWC April 2018 258-261
- How Many Signals Can Be Sent in a Multi-Cell Massive MIMO System. Wang, H., +, LWC June 2018 368-371
- Interference-Free Criterion for Interference-Unaware Receive Transform in MIMO Co-Channel Interference. Wang, J.T., LWC April 2018 210-213
- Iterative Detection and Decoding for Large-Scale Multiple-Antenna Systems With 1-Bit ADCs. *Shao*, Z., +, *LWC June 2018 476-479*
- Jamming Detection in Massive MIMO Systems. Akhlaghpasand, H., +, LWC April 2018 242-245
- Joint Channel Resources Allocation and Beamforming in Energy Harvesting Systems. Le, T., +, LWC Oct. 2018 884-887
- Joint Transmit Beamforming and Antenna Selection in MIMO Systems. Zhao, M., +, LWC Oct. 2018 716-719
- Jointly Optimal Spatial Channel Assignment and Power Allocation for MIMO SWIPT Systems. *Mishra*, D., +, *LWC April 2018 214-217*
- Multi-Envelope Precoding for Massive MIMO Systems. Gumus, M., +, LWC Oct. 2018 720-723
- Multiple Symbol Differential Detection for Noncoherent Communications With Large-Scale Antenna Arrays. Wang, Y., +, LWC April 2018 190-193
- Out-of-Band Radiation From Antenna Arrays Clarified. Larsson, E.G., +, LWC Aug. 2018 610-613

Resource-Selection Based Low Complexity Detector for Uplink SCMA Systems With Multiple Antennas. *Tian, L., +, LWC June 2018 316-319* Retrodirective Large Antenna Energy Beamforming in Backscatter Multi-User Networks. *Krikidis, I., LWC Aug. 2018 678-681*

- Secrecy Rate of Analog Collaborative Beamforming With Virtual Antenna Array Following Spatial Random Distributions. *Jung, H., +, LWC Aug.* 2018 626-629
- Secrecy-Oriented Antenna Assignment Optimization at Full-Duplex Receiver With Self-Interference. *Guo, T., +, LWC Aug. 2018 562-565*

Secure Transmission for MISOME Wiretap Channels With Finite Alphabet Inputs. Cao, K., +, LWC Aug. 2018 570-573

Spectral Efficiency of Multipair Massive MIMO Two-Way Relaying With Hardware Impairments. *Zhang, J.*, +, *LWC Feb. 2018 14-17*

Transmit Antenna Selection in MIMO Wiretap Channels: A Machine Learning Approach. He, D., +, LWC Aug. 2018 634-637

When is the Achievable Rate Region Convex in Two-User Massive MIMO Systems?. *Chen, Z.*, +, *LWC Oct. 2018 796-799*

Antenna measurements

Distributing Complexity: A New Approach to Antenna Selection for Distributed Massive MIMO. *Siljak, H., +, LWC Dec. 2018 902-905*

- Measured Uplink Interference Caused by Aerial Vehicles in LTE Cellular Networks. *Amorim, R., +, LWC Dec. 2018 958-961*
- Relationship Between Cross-Polarization Discrimination (XPD) and Spatial Correlation in Indoor Small-Cell MIMO Systems. *Lim, Y.*, +, *LWC Aug. 2018 654-657*
- Suburban Residential Building Penetration Loss at 28 GHz for Fixed Wireless Access. Du, J., +, LWC Dec. 2018 890-893
- Temporal Autocorrelation of Small-Scale Fading Using Leaky Coaxial Cable in Confined Space. Pan, Y., +, LWC Dec. 2018 1082-1085

Antenna radiation patterns

A Novel Approximate Antenna Pattern for Directional Antenna Arrays. Deng, N., +, LWC Oct. 2018 832-835

Antennas

Over-Sampling Codebook-Based Hybrid Minimum Sum-Mean-Square-Error Precoding for Millimeter-Wave 3D-MIMO. *Mao, J.*, +, *LWC Dec.* 2018 938-941

Approximation algorithms

Deep Neural Networks for Linear Sum Assignment Problems. Lee, M., +, LWC Dec. 2018 962-965

Approximation theory

A Novel Approximate Antenna Pattern for Directional Antenna Arrays. Deng, N., +, LWC Oct. 2018 832-835

- A Novel Pilot Assignment Scheme in Massive MIMO Networks. *Ma, S.,* +, *LWC April 2018 262-265*
- Approximate BER Analysis for MAC Systems. Alves, D.I., +, LWC Feb. 2018 10-13
- Generalized Multistream Spatial Modulation With Signal Constellations Based on Hurwitz Integers and Low-Complexity Detection. *Freudenberger, J.*, +, *LWC June 2018 412-415*
- How Accurate is Your Gaussian/Gamma Approximation?. Smith, P.J., +, LWC Oct. 2018 804-807
- Joint Transmit Beamforming and Antenna Selection in MIMO Systems. Zhao, M., +, LWC Oct. 2018 716-719
- Jointly Optimal Spatial Channel Assignment and Power Allocation for MIMO SWIPT Systems. *Mishra*, D., +, LWC April 2018 214-217
- On the SIR Meta Distribution for Poisson Networks With Interference Cancellation. *Wang, Y.*, +, *LWC Feb. 2018 26-29*
- Optimal Satellite Gateway Placement in Space-Ground Integrated Network for Latency Minimization With Reliability Guarantee. *Cao, Y.*, +, *LWC April 2018 174-177*
- Partially Active Message Passing Receiver for MIMO-SCMA Systems. Dai, J., +, LWC April 2018 222-225
- Performance of SWIPT-Based Differential AF Relaying Over Nakagami-m Fading Channels With Direct Link. *Lou*, Y., +, *LWC Feb. 2018 106-109* Secure Beamforming Designs for Secrecy MIMO SWIPT Systems. *Zhu*, Z., +, *LWC June 2018 424-427*

Spectral Efficiency of Multipair Massive MIMO Two-Way Relaying With Hardware Impairments. Zhang, J., +, LWC Feb. 2018 14-17

Array signal processing

- Correction Factor for Analysis of MIMO Wireless Networks With Highly Directional Beamforming. *Kulkarni, M.N.*, +, *LWC Oct.* 2018 756-759 Deep Learning for Massive MIMO CSI Feedback. *Wen, C.*, +, *LWC Oct.* 2018 748-751
- Distributed Beamforming in Dynamic TDD MIMO Networks With BS to BS Interference Constraints. *de Olivindo Cavalcante, E.*, +, *LWC Oct.* 2018 788-791

- Joint Channel Resources Allocation and Beamforming in Energy Harvesting Systems. Le, T., +, LWC Oct. 2018 884-887
- Joint Optimization of Beamforming and Base Station Clustering Based on Leakage Rate. Li, Y, +, LWC June 2018 432-435
- Joint Transmit Beamforming and Antenna Selection in MIMO Systems. Zhao, M., +, LWC Oct. 2018 716-719
- Limitation of SDMA in Ultra-Dense Small Cell Networks. *Liu, J., +, LWC Aug. 2018 506-509*
- Optimum QoS-Aware Beamformer Design for Full-Duplex Relay With Self-Energy Recycling. Demir, O.T., +, LWC Feb. 2018 122-125
- Out-of-Band Radiation From Antenna Arrays Clarified. Larsson, E.G., +, LWC Aug. 2018 610-613
- Resource Allocations for Secure Cognitive Satellite-Terrestrial Networks. *Li, B., +, LWC Feb. 2018 78-81*
- Retrodirective Large Antenna Energy Beamforming in Backscatter Multi-User Networks. Krikidis, I., LWC Aug. 2018 678-681
- Retrodirective Multi-User Wireless Power Transfer With Massive MIMO. Lee, S., +, LWC Feb. 2018 54-57
- Robust Transmission in Non-Orthogonal Multiple Access AF Relay Networks. Zhao, S., +, LWC Dec. 2018 1078-1081
- Secrecy Rate of Analog Collaborative Beamforming With Virtual Antenna Array Following Spatial Random Distributions. *Jung, H., +, LWC Aug.* 2018 626-629
- Secure Beamforming Designs for Secrecy MIMO SWIPT Systems. Zhu, Z., +, LWC June 2018 424-427
- Secure Transmission for MISOME Wiretap Channels With Finite Alphabet Inputs. Cao, K., +, LWC Aug. 2018 570-573

Sidelobe Exploitation for Beam Discovery in Line of Sight Millimeter Wave Systems. Jasim, M., +, LWC April 2018 234-237

Atmospheric modeling

An Algorithm of Efficient Proactive Placement of Autonomous Drones for Maximum Coverage in Cellular Networks. *Huang, H., +, LWC Dec.* 2018 994-997

Attenuation

Outage Analysis of Multirelay Multiuser Hybrid Satellite-Terrestrial Millimeter-Wave Networks. *Liang, X.*, +, *LWC Dec. 2018 1046-1049*

Attitude control

Aerial Anchors Positioning for Reliable RSS-Based Outdoor Localization in Urban Environments. Sallouha, H., +, LWC June 2018 376-379

Automatic repeat request

Improved Cognitive Networking Through Full Duplex Cooperative ARQ and HARQ. *Towhidlou, V.*, +, *LWC April 2018 218-221*

Autonomous aerial vehicles

- 3-D Placement of an Unmanned Aerial Vehicle Base Station for Maximum Coverage of Users With Different QoS Requirements. *Alzenad, M.*, +, *LWC Feb. 2018 38-41*
- Aerial Anchors Positioning for Reliable RSS-Based Outdoor Localization in Urban Environments. Sallouha, H., +, LWC June 2018 376-379
- Energy-Efficient Data Collection in UAV Enabled Wireless Sensor Network. Zhan, C., +, LWC June 2018 328-331
- Modeling Cellular-to-UAV Path-Loss for Suburban Environments. Al-Hourani, A., +, LWC Feb. 2018 82-85
- Modularity-Based Dynamic Clustering for Energy Efficient UAVs-Aided Communications. Yu, J., +, LWC Oct. 2018 728-731
- Optimal Resource Allocation for Non-Orthogonal Transmission in UAV Relay Systems. Baek, J., +, LWC June 2018 356-359
- Strategic Densification With UAV-BSs in Cellular Networks. Lagum, F., +, LWC June 2018 384-387
- Unmanned Aerial Vehicle-Aided Communications: Joint Transmit Power and Trajectory Optimization. Wang, H., +, LWC Aug. 2018 522-525

AWGN channels

Golden Angle Modulation. Larsson, P., LWC Feb. 2018 98-101
Spectrum Efficient Time-Domain Multiplexing With Linear Prolate Functions. Valente, D., +, LWC Aug. 2018 666-669

B

Backscatter

- Optimal Time Scheduling for Wireless-Powered Backscatter Communication Networks. Van Huynh, N., +, LWC Oct. 2018 820-823
- Retrodirective Large Antenna Energy Beamforming in Backscatter Multi-User Networks. Krikidis, I., LWC Aug. 2018 678-681

Bandwidth allocation

- Minimizing Latency to Support VR Social Interactions Over Wireless Cellular Systems via Bandwidth Allocation. Park, J., +, LWC Oct. 2018 776-779
- On the Sensitivity of Zero-Tail DFT-Spread-OFDM to Small Bandwidth Allocations. *Berardinelli, G., LWC June 2018 452-455*
- Slicing the Edge: Resource Allocation for RAN Network Slicing. Vo, P.L., +, LWC Dec. 2018 970-973

Base stations

Measured Uplink Interference Caused by Aerial Vehicles in LTE Cellular Networks. Amorim, R., +, LWC Dec. 2018 958-961

Bayes methods

Transmit Antenna Selection in MIMO Wiretap Channels: A Machine Learning Approach. He, D., +, LWC Aug. 2018 634-637

Beam steering

Beam Steering for the Misalignment in UCA-Based OAM Communication Systems. *Chen, R.*, +, *LWC Aug. 2018 582-585*

Fast Millimeter Wave Assisted Beam-Steering for Passive Indoor Optical Wireless Networks. *Torres Vega, M.*, +, *LWC April 2018 278-281*

Belief networks

Raptor Codes for Higher-Order Modulation Using a Multi-Edge Framework. Jayasooriya, S., +, LWC Feb. 2018 110-113

Belief propagation

Connectivity Information-Aided Belief Propagation for Cooperative Localization. Kim, H., +, LWC Dec. 2018 1010-1013

Bit error rate

On the Sum of Fisher–Snedecor F Variates and Its Application to Maximal-Ratio Combining. Badarneh, O.S., +, LWC Dec. 2018 966-969

Blind source separation

A Convex Approach to Blind MIMO Communications. Ahmed, A., LWC Oct. 2018 812-815

Block codes

Ultra-Reliable Short-Packet Communications: Half-Duplex or Full-Duplex Relaying?. *Gu, Y.*, +, *LWC June 2018 348-351*

Broadband

Suburban Residential Building Penetration Loss at 28 GHz for Fixed Wireless Access. Du, J., +, LWC Dec. 2018 890-893

Broadband communication

Power-Based Broadband RF Interference Detector for Wireless Communication Systems. Getu, T.M., +, LWC Dec. 2018 1002-1005

Broadcast channels

Network Coding for Physical Layer Secrecy. Etemadi Tajbakhsh, S., +, LWC Aug. 2018 642-645

Broadcasting

An Energy-Efficient Network-Wide Broadcast Protocol for Asynchronous Wireless Sensor Networks. Wang, X., +, LWC Dec. 2018 918-921

Cache storage

- Device Caching for Network Offloading: Delay Minimization With Presence of User Mobility. *Deng, T.*, +, *LWC Aug. 2018 558-561*
- Energy Minimization for Cache-Assisted Content Delivery Networks With Wireless Backhaul. Vu, T.X., +, LWC June 2018 332-335
- Fitness-Aware Coded Multicasting for Decentralized Caching With Finite File Packetization. *Zhang, N.*, +, *LWC Oct. 2018* 740-743
- Minimum Cache Size and Backhaul Capacity for Cache-Enabled Small Cell Networks. Song, J., +, LWC Aug. 2018 490-493
- Slicing the Edge: Resource Allocation for RAN Network Slicing. Vo, P.L., +, LWC Dec. 2018 970-973

Cameras

Pre-Processing Images for Enhancing Reliability in Screen-to-Camera Communication. *Kim, Y.*, +, *LWC Dec. 2018 934-937*

Capacity planning

- Physical Layer Security for Cooperative Relaying Over Generalized-K Fading Channels. Wu, L., +, LWC Aug. 2018 606-609
- Secrecy Performance of Satellite Wiretap Channels With Multi-User Opportunistic Scheduling. *Guo*, K., +, *LWC Dec*. 2018 1054-1057

Celestial mechanics

Space-Time Stochastic Rain Fading Channel for Multiple LEO or MEO Satellite Slant Paths. *Kourogiorgas, C.I., +, LWC June 2018 284-287*

Cellular networks

- An Algorithm of Efficient Proactive Placement of Autonomous Drones for Maximum Coverage in Cellular Networks. *Huang, H., +, LWC Dec.* 2018 994-997
- Approximation of Meta Distribution and its Moments for Poisson Cellular Networks. *Guruacharya, S.*, +, *LWC Dec.* 2018 1074-1077
- Measured Uplink Interference Caused by Aerial Vehicles in LTE Cellular Networks. Amorim, R., +, LWC Dec. 2018 958-961
- Meta Distribution of the Secrecy Rate in the Presence of Randomly Located Eavesdroppers. Tang, J., +, LWC Aug. 2018 630-633

Simple and Fast PPP-Based Approximation of SIR Distributions in Downlink Cellular Networks. *Takahashi, Y.*, +, *LWC Dec. 2018 898-901*

Cellular radio

3-D Placement of an Unmanned Aerial Vehicle Base Station for Maximum Coverage of Users With Different QoS Requirements. *Alzenad, M.*, +, *LWC Feb. 2018 38-41*

- A Novel Cell Reconfiguration Technique for Dynamic TDD Wireless Networks. Ardah, K., +, LWC June 2018 320-323
- A Novel Pilot Assignment Scheme in Massive MIMO Networks. *Ma*, *S.*, +, *LWC April 2018 262-265*
- A Novel Price-Based Power Allocation Algorithm in Non-Orthogonal Multiple Access Networks. *Wang, Z.*, +, *LWC April 2018 230-233*
- Analysis of Multi-Antenna Small Cell Networks Modeled by Gauss– Poisson Process. Peng, X., +, LWC Oct. 2018 704-707
- Area Spectral Efficiency Analysis of Multi-Antenna Networks Modeled by Ginibre Point Process. Chen, G., +, LWC Feb. 2018 6-9
- Coherent Joint Transmission in Downlink Heterogeneous Cellular Networks. Yu, X., +, LWC April 2018 274-277
- Computation Offloading and Activation of Mobile Edge Computing Servers: A Minority Game. *Ranadheera*, S., +, *LWC Oct.* 2018 688-691 Contention-Based Access for Ultra-Reliable Low Latency Uplink Trans-
- missions. Singh, B., +, LWC April 2018 182-185 Cooperative Transmission in Small Cell Networks Using Network Coding.
- Zhan, C., +, LWC Aug. 2018 510-513
- Coverage Analysis of Reduced Power Subframes Applied in Heterogeneous Networks With Subframe Misalignment Interference. *Hu*, *H.*, +, *LWC Oct. 2018 752-755*
- D2D Communication for Adaptive Streaming Exploiting White Spaces in Transmissions of the Cellular Network. *Roumeliotis, A.J.*, +, *LWC Feb.* 2018 58-61
- Energy- and Spectral-Efficiency Trade-Off for D2D-Multicasts in Underlay Cellular Networks. *Bhardwaj, A.*, +, *LWC Aug. 2018 546-549*
- Equi-Coverage Contours in Cellular Networks. Afshang, M., +, LWC Oct. 2018 700-703
- From Cellular Decision Making to Adaptive Handoff in Heterogeneous Wireless Networks. Tian, D., +, LWC Feb. 2018 2-5
- How Many Signals Can Be Sent in a Multi-Cell Massive MIMO System. Wang, H., +, LWC June 2018 368-371
- Limitation of SDMA in Ultra-Dense Small Cell Networks. *Liu, J.*, +, *LWC Aug. 2018 506-509*
- Minimizing Latency to Support VR Social Interactions Over Wireless Cellular Systems via Bandwidth Allocation. *Park, J.*, +, *LWC Oct. 2018* 776-779
- Minimum Cache Size and Backhaul Capacity for Cache-Enabled Small Cell Networks. Song, J., +, LWC Aug. 2018 490-493
- Modeling Cellular-to-UAV Path-Loss for Suburban Environments. Al-Hourani, A., +, LWC Feb. 2018 82-85
- On Power-Efficient Planning in Dynamic Small Cell Networks. *Maghsudi*, S., +, *LWC June 2018 304-307*
- Rate and Outage Probability in Dual Band Systems With Prediction-Based Band Switching. *Burghal*, D., +, *LWC Oct. 2018* 872-875
- Resource Allocation for D2D Communications Underlaying a NOMA-Based Cellular Network. Pan, Y., +, LWC Feb. 2018 130-133
- Resource Allocation in Reverse TDD Wireless Backhaul HetNets With 3D Massive Antennas. Niu, J., +, LWC Feb. 2018 30-33
- Spatio-Temporal Wireless Traffic Prediction With Recurrent Neural Network. Qiu, C., +, LWC Aug. 2018 554-557
- Strategic Densification With UAV-BSs in Cellular Networks. Lagum, F., +, LWC June 2018 384-387

Channel allocation

- Joint Admission Control and Resource Allocation for Multi-Carrier Uplink NOMA Networks. *Zhai, D., +, LWC Dec. 2018 922-925*
- Jointly Optimal Spatial Channel Assignment and Power Allocation for MIMO SWIPT Systems. *Mishra*, D., +, LWC April 2018 214-217
- Optimal Power and Rate Allocation in Superposition Transmission With Successive Noise Signal Sharing Toward Zero Intercept Probability. *Choi*, *Y*, +, *LWC Oct. 2018 824-827*

Resource Allocation for D2D Communications Underlaying a NOMA-Based Cellular Network. Pan, Y., +, LWC Feb. 2018 130-133

Spectrum Efficient Resource Management for Multi-Carrier-Based NOMA Networks: A Graph-Based Method. Zhai, D., +, LWC June 2018 388-391 Channel bank filters

CFO and Channel Estimation for Frequency Selective MIMO-FBMC/OQAM Systems. *Singh, P.*, +, *LWC Oct. 2018 844-847*

Channel capacity

- Beam Steering for the Misalignment in UCA-Based OAM Communication Systems. Chen, R., +, LWC Aug. 2018 582-585
- Capacity Scaling for D2D Aided Cooperative Relaying Systems Using NOMA. Kim, J., +, LWC Feb. 2018 42-45
- Channel Diagonalization for Cloud Radio Access. Liu, L., +, LWC Aug. 2018 622-625
- Interference-Free Criterion for Interference-Unaware Receive Transform in MIMO Co-Channel Interference. *Wang, J.T., LWC April 2018 210-213* Joint Optimization of Beamforming and Base Station Clustering Based on Leakage Rate. *Li, Y., +, LWC June 2018 432-435*

Channel coding

- Channel Diagonalization for Cloud Radio Access. Liu, L., +, LWC Aug. 2018 622-625
- Channel Feedback Codebook Design for Millimeter-Wave Massive MIMO Systems Relying on Lens Antenna Array. *Shen, W.*, +, *LWC Oct. 2018* 736-739
- Cooperative Transmission in Small Cell Networks Using Network Coding. Zhan, C., +, LWC Aug. 2018 510-513
- Design of LDPC Codes for the Unequal Power Two-User Gaussian Multiple Access Channel. *Balatsoukas-Stimming*, A., +, LWC Oct. 2018 868-871
- Iterative Detection and Decoding for Large-Scale Multiple-Antenna Systems With 1-Bit ADCs. Shao, Z., +, LWC June 2018 476-479

Raptor Codes for Higher-Order Modulation Using a Multi-Edge Framework. Jayasooriya, S., +, LWC Feb. 2018 110-113

Resource-Selection Based Low Complexity Detector for Uplink SCMA Systems With Multiple Antennas. *Tian, L.*, +, *LWC June 2018 316-319* annel estimation

Channel estimation

Active Cancellation of Self-Interference for Full-Duplex Amplify and Forward Wi-Fi Relay. *Shaboyan, S., +, LWC Dec. 2018 1050-1053*

Adaptive Windowing for ICI Mitigation in Vehicular Communications. Vlachos, E., +, LWC Dec. 2018 974-977

- Algebraic Analysis of the Poles in the Doppler Spectrum for Vehicle-to-Vehicle Channels. *Walter, M.*, +, *LWC Aug. 2018 662-665*
- CFO and Channel Estimation for Frequency Selective MIMO-FBMC/OQAM Systems. Singh, P., +, LWC Oct. 2018 844-847
- Deep Learning for Massive MIMO CSI Feedback. Wen, C., +, LWC Oct. 2018 748-751
- Deep Learning-Based Channel Estimation for Beamspace mmWave Massive MIMO Systems. *He, H., +, LWC Oct. 2018 852-855*
- Imperfect CSI Based Multi-Way Satellite Relaying. M. K., A., LWC Oct. 2018 864-867
- Joint Channel Estimation and Multiuser Detection for Uplink Grant-Free NOMA. Du, Y., +, LWC Aug. 2018 682-685
- Joint Channel Resources Allocation and Beamforming in Energy Harvesting Systems. Le, T., +, LWC Oct. 2018 884-887
- Multiple Symbol Differential Detection for Noncoherent Communications With Large-Scale Antenna Arrays. *Wang, Y., +, LWC April 2018 190-193* NOMA-Aided Cell-Free Massive MIMO Systems. *Li, Y., +, LWC Dec.*
- 2018 950-953 Optimal Power Control in Cognitive Satellite Terrestrial Networks With

Imperfect Channel State Information. *Shi*, *S.*, +, *LWC Feb.* 2018 34-37 Power of Deep Learning for Channel Estimation and Signal Detection in

- OFDM Systems. Ye, H., +, LWC Feb. 2018 114-117 Receiver Originated Physical-Layer Robust Secure Transmissions in Wire-
- less Systems. Kai, C., +, LWC Feb. 2018 86-89
- Simultaneous Detection and Channel Estimation for Censoring-Based Spectrum Sensing in Cognitive Radio Networks. *Mansukhani, J.*, +, *LWC June 2018 292-295*
- Soft-Information Aided Channel Estimation With IQ Imbalance for Alternate-Relaying OFDM Cooperative Systems. *Marey, M., LWC June 2018 308-311*

Uplink Transmissions in URLLC Systems With Shared Diversity Resources. *Kotaba, R.*, +, *LWC Aug. 2018 590-593*

Channel models

Relationship Between Cross-Polarization Discrimination (XPD) and Spatial Correlation in Indoor Small-Cell MIMO Systems. *Lim, Y.*, +, *LWC Aug. 2018 654-657* A Hybrid Digital-Analog Chaotic Code. Yu, W., +, LWC Dec. 2018 930-933

Closed-form solutions

- Meta Distribution of the Secrecy Rate in the Presence of Randomly Located Eavesdroppers. *Tang, J.*, +, *LWC Aug. 2018 630-633*
- Secrecy Capacity Analysis of AN-Aided FDA Communication Over Nakagami-*m* Fading. Ji, S., +, LWC Dec. 2018 1034-1037

Cloud computing

Delay-Optimal Proactive Service Framework for Block-Stream as a Service. Zhang, D., +, LWC Aug. 2018 598-601

NOMA Systems With Content-Centric Multicast Transmission for C-RAN. Lee, S., +, LWC Oct. 2018 828-831

Price-Based Distributed Offloading for Mobile-Edge Computing With Computation Capacity Constraints. *Liu*, *M.*, +, *LWC June 2018 420-423*

Clustering algorithms

Joint Admission Control and Resource Allocation for Multi-Carrier Uplink NOMA Networks. *Zhai, D., +, LWC Dec. 2018 922-925*

Power Allocation and User Clustering for Uplink MC-NOMA in D2D Underlaid Cellular Networks. *Zheng, H., +, LWC Dec. 2018 1030-1033*

Cochannel interference

On the Coexistence Between Full-Duplex and NOMA. *Ding, Z.*, +, *LWC Oct. 2018* 692-695

Code division multiple access

Channel Access Method Classification for Cognitive Radio Applications. Laghate, M., +, LWC Feb. 2018 70-73

Compressive Sensing-Based Multiuser Detection via Iterative Reweighed Approach in M2M Communications. *Zhang, X., +, LWC Oct. 2018* 764-767

Codecs

Analysis of the Dependency of Call Duration on the Quality of VoIP Calls. Holub, J., +, LWC Aug. 2018 638-641

Cognition

SNR-Aware Power Allocation Scheme for Lossy-Forward Relaying Systems. Santos Filho, J.C.S., +, LWC Dec. 2018 1018-1021

Cognitive radio

- A Theoretical Analysis of Asymptotical Performance of Cooperative Spectrum Sensing in the Presence of Malicious Users. *Benedetto, F*, +, *LWC June 2018 380-383*
- Automatic Modulation Classification for D-STBC Cooperative Relaying Networks. *Tayakout, H., +, LWC Oct. 2018 780-783*
- Channel Access Method Classification for Cognitive Radio Applications. Laghate, M., +, LWC Feb. 2018 70-73
- Energy Detection in Full-Duplex Systems With Residual RF Impairments Over Fading Channels. *Boulogeorgos, A.A., +, LWC April 2018 246-249* Improved Cognitive Networking Through Full Duplex Cooperative ARQ
- and HARQ. Towhidlou, V., +, LWC April 2018 218-221 Multichannel Selection for Cognitive Radio Networks With RF Energy
- Harvesting. Xu, M., +, LWC April 2018 178-181
- On Channel Hopping Sequences With Full Rendezvous Diversity for Cognitive Radio Networks. *Zhang, Y.*, +, *LWC Aug. 2018* 574-577
- Optimal Power Control in Cognitive Satellite Terrestrial Networks With Imperfect Channel State Information. Shi, S., +, LWC Feb. 2018 34-37
- Outage Analysis of Cognitive Hybrid Satellite-Terrestrial Networks With Hardware Impairments and Multi-Primary Users. *Guo, K.*, +, *LWC Oct.* 2018 816-819
- Resource Allocations for Secure Cognitive Satellite-Terrestrial Networks. *Li, B.*, +, *LWC Feb. 2018 78-81*
- Simultaneous Detection and Channel Estimation for Censoring-Based Spectrum Sensing in Cognitive Radio Networks. *Mansukhani, J.*, +, *LWC June 2018 292-295*
- Statistical Modeling-Based Deployment Issue in Cognitive Satellite Terrestrial Networks. *Liang, T.*, +, *LWC April 2018 202-205*

Collaboration

Optimal Content Sharing Mode Selection for Social-Aware D2D Communications. *Wu*, *D.*, +, *LWC Dec.* 2018 910-913

Communication complexity

Improved Layered Message Passing Algorithms for Large-Scale Generalized Spatial Modulation Systems. *Fan, S., +, LWC Feb. 2018 66-69* Sparsity-Aware Ordered Successive Interference Cancellation for Massive Machine-Type Communications. *Ahn, J., +, LWC Feb. 2018 134-137*

Communication system security

Centralized Trust-Based Secure Routing in Wireless Networks. Yun, J., +, LWC Dec. 2018 1066-1069

- A Uniform-Forcing Transceiver Design for Over-the-Air Function Computation. Chen, L, +, LWC Dec. 2018 942-945
- Adaptive Windowing for ICI Mitigation in Vehicular Communications. Vlachos, E., +, LWC Dec. 2018 974-977
- Distributing Complexity: A New Approach to Antenna Selection for Distributed Massive MIMO. *Siljak, H., +, LWC Dec. 2018 902-905*
- Energy-Efficient Relay Assignment and Power Control in Multi-User and Multi-Relay Networks. Zappone, A., +, LWC Dec. 2018 1070-1073
- Fractional Sparse Code Multiple Access and Its Optimization. Wang, Y., +, LWC Dec. 2018 990-993

Compressed sensing

- Automatic Modulation Recognition for Phase Shift Keying Signals With Compressive Measurements. *Xie, L., +, LWC April 2018 194-197*
- Compressive Sensing-Based Multiuser Detection via Iterative Reweighed Approach in M2M Communications. *Zhang, X., +, LWC Oct. 2018* 764-767
- Deep Learning for Massive MIMO CSI Feedback. Wen, C., +, LWC Oct. 2018 748-751
- Joint Channel Estimation and Multiuser Detection for Uplink Grant-Free NOMA. Du, Y., +, LWC Aug. 2018 682-685
- Low-Complexity Compressive Spectrum Sensing for Large-Scale Real-Time Processing. Zhang, X., +, LWC Aug. 2018 674-677
- Multi-User Detection Using ADMM-Based Compressive Sensing for Uplink Grant-Free NOMA. Cirik, A.C., +, LWC Feb. 2018 46-49
- Sparsity-Aware Ordered Successive Interference Cancellation for Massive Machine-Type Communications. Ahn, J., +, LWC Feb. 2018 134-137

Spatio-Temporal Compressive Sensing-Based Data Gathering in Wireless Sensor Networks. Li, X., +, LWC April 2018 198-201

Computational complexity

- A Novel Pilot Assignment Scheme in Massive MIMO Networks. *Ma*, *S*., +, *LWC April 2018 262-265*
- Bit-Level Reduced Neighborhood Search for Low-Complexity Detection in Large MIMO Systems. *Mann, P.*, +, *LWC April 2018 146-149*
- Connectivity Information-Aided Belief Propagation for Cooperative Localization. Kim, H., +, LWC Dec. 2018 1010-1013
- Fitness-Aware Coded Multicasting for Decentralized Caching With Finite File Packetization. Zhang, N., +, LWC Oct. 2018 740-743
- Information Prediction and Dynamic Programming-Based RAN Slicing for Mobile Edge Computing. Zhao, P., +, LWC Aug. 2018 614-617
- Joint Transmit Beamforming and Antenna Selection in MIMO Systems. Zhao, M., +, LWC Oct. 2018 716-719
- Low Complexity Message Passing Detection Algorithm for Large-Scale MIMO Systems. Zeng, J., +, LWC Oct. 2018 708-711
- Low-Complexity Compressive Spectrum Sensing for Large-Scale Real-Time Processing. Zhang, X., +, LWC Aug. 2018 674-677
- Low-Complexity LLR Calculation for OFDM With Index Modulation. Hu, Z., +, LWC Aug. 2018 618-621
- Multi-Envelope Precoding for Massive MIMO Systems. Gumus, M., +, LWC Oct. 2018 720-723
- Optimal Satellite Gateway Placement in Space-Ground Integrated Network for Latency Minimization With Reliability Guarantee. *Cao, Y.*, +, *LWC April 2018 174-177*
- Optimal User Grouping for Downlink NOMA. Kang, J., +, LWC Oct. 2018 724-727
- Performance Enhancement of Downlink NOMA by Combination With GSSK. Kim, J.W., +, LWC Oct. 2018 860-863
- Secure Beamforming Designs for Secrecy MIMO SWIPT Systems. Zhu, Z., +, LWC June 2018 424-427
- Sidelobe Exploitation for Beam Discovery in Line of Sight Millimeter Wave Systems. Jasim, M., +, LWC April 2018 234-237
- Target Localization in NLOS Environments Using RSS and TOA Measurements. *Tomic*, S., +, *LWC Dec.* 2018 1062-1065
- Time Spread-Windowed OFDM for Spectral Efficiency Improvement. Kim, H., +, LWC Oct. 2018 696-699

Two-Layer LDPC Codes for Low Complexity ML Detection in GSM Systems. Jiang, X., +, LWC June 2018 408-411

Computational efficiency

Target Localization in NLOS Environments Using RSS and TOA Measurements. *Tomic, S., +, LWC Dec. 2018 1062-1065*

Computer network security

- Changing the Game: A Micro Moving Target IPv6 Defense for the Internet of Things. Zeitz, K., +, LWC Aug. 2018 578-581
- Selfish Attacks in Two-Hop IEEE 802.11 Relay Networks: Impact and Countermeasures. Szott, S., +, LWC Aug. 2018 658-661

- Energy-Efficient Data Collection in UAV Enabled Wireless Sensor Network. Zhan, C., +, LWC June 2018 328-331
- Low-Complexity Compressive Spectrum Sensing for Large-Scale Real-Time Processing. Zhang, X., +, LWC Aug. 2018 674-677
- Resource Allocations for Secure Cognitive Satellite-Terrestrial Networks. Li, B., +, LWC Feb. 2018 78-81
- Unmanned Aerial Vehicle-Aided Communications: Joint Transmit Power and Trajectory Optimization. Wang, H., +, LWC Aug. 2018 522-525

Convergence

- Deep Neural Networks for Linear Sum Assignment Problems. Lee, M., +, LWC Dec. 2018 962-965
- Efficient Calculation of Meta Distributions and the Performance of User Percentiles. *Haenggi, M., LWC Dec. 2018 982-985*
- Extrinsic Information Analysis of a New Iterative Method Using the Stair Matrix for Massive MIMO Uplink Signal Detection. *Jiang, F., +, LWC Dec.* 2018 1022-1025

Convex functions

- Fractional Sparse Code Multiple Access and Its Optimization. Wang, Y., +, LWC Dec. 2018 990-993
- Learning Oriented Cross-Entropy Approach to User Association in Load-Balanced HetNet. *Huang, X.*, +, *LWC Dec. 2018 1014-1017*

Convex programming

- A Convex Approach to Blind MIMO Communications. Ahmed, A., LWC Oct. 2018 812-815
- Amplify-and-Forward Virtual Full-Duplex Relaying-Based Cooperative NOMA. *Liau*, Q.Y., +, LWC June 2018 464-467
- Multichannel Selection for Cognitive Radio Networks With RF Energy Harvesting. Xu, M., +, LWC April 2018 178-181
- Optimal Design of Resource Element Mapping for Sparse Spreading Non-Orthogonal Multiple Access. Yu, H., +, LWC Oct. 2018 744-747
- Optimal Time Scheduling for Wireless-Powered Backscatter Communication Networks. Van Huynh, N., +, LWC Oct. 2018 820-823
- Resource Allocation in Reverse TDD Wireless Backhaul HetNets With 3D Massive Antennas. *Niu, J.*, +, *LWC Feb. 2018 30-33*
- Secure Beamforming Designs for Secrecy MIMO SWIPT Systems. Zhu, Z., +, LWC June 2018 424-427
- Unmanned Aerial Vehicle-Aided Communications: Joint Transmit Power and Trajectory Optimization. Wang, H., +, LWC Aug. 2018 522-525
- Utility-Energy Efficiency Oriented User Association With Power Control in Heterogeneous Networks. *Huang, X.*, +, *LWC Aug. 2018 526-529*

Convolution

- A Convex Approach to Blind MIMO Communications. Ahmed, A., LWC Oct. 2018 812-815
- Convolutional codes
 - Low-Cost Implementation Techniques for Interleave Division Multiple Access. Hu, Y., +, LWC Dec. 2018 1026-1029

Cooperative communication

- A Secret-Key-Aided Scheme to Secure Transmissions From Single-Antenna RF-EH Source Nodes. El Shafie, A., +, LWC April 2018 238-241
- A Theoretical Analysis of Asymptotical Performance of Cooperative Spectrum Sensing in the Presence of Malicious Users. *Benedetto, F.,* +, *LWC June 2018 380-383*
- Amplify-and-Forward Virtual Full-Duplex Relaying-Based Cooperative NOMA. *Liau, Q.Y., +, LWC June 2018 464-467*
- Automatic Modulation Classification for D-STBC Cooperative Relaying Networks. *Tayakout, H., +, LWC Oct. 2018 780-783*
- Capacity Scaling for D2D Aided Cooperative Relaying Systems Using NOMA. *Kim, J.*, +, *LWC Feb. 2018* 42-45
- Cooperative Transmission in Small Cell Networks Using Network Coding. *Zhan, C., +, LWC Aug. 2018 510-513*
- Distributed Cooperative Localization for Mobile Wireless Sensor Networks. Salari, S., +, LWC Feb. 2018 18-21
- Resource Allocations for Secure Cognitive Satellite-Terrestrial Networks. *Li, B., +, LWC Feb. 2018 78-81*
- Soft-Information Aided Channel Estimation With IQ Imbalance for Alternate-Relaying OFDM Cooperative Systems. *Marey, M., LWC June 2018 308-311*

Correlation

- A Frequency-Domain SPICE Approach to High-Resolution Time Delay Estimation. Park, H., +, LWC June 2018 360-363
- Accurate Closed-Form Approximations for the Sum of Correlated Weibull Random Variables. *El Bouanani, F.*, +, *LWC Aug. 2018 498-501*
- Extending the ITU-R P.530 Deep-Fading Outage Probability Results to SIMO-MRC and MIMO-MRC Line-of-Sight Systems. *Gagnon, F., +, LWC Dec. 2018 1086-1089*

Relationship Between Cross-Polarization Discrimination (XPD) and Spatial Correlation in Indoor Small-Cell MIMO Systems. *Lim, Y.*, +, *LWC Aug. 2018 654-657*

Spatio-Temporal Wireless Traffic Prediction With Recurrent Neural Network. *Qiu, C.*, +, *LWC Aug. 2018 554-557*

Covariance matrices

A Frequency-Domain SPICE Approach to High-Resolution Time Delay Estimation. Park, H., +, LWC June 2018 360-363

Interference-Free Criterion for Interference-Unaware Receive Transform in MIMO Co-Channel Interference. *Wang, J.T., LWC April 2018 210-213* On the Statistical Properties of Constant Envelope Quantizers. *Jedda, H.,*

+, *LWC Dec. 2018 1006-1009* Optimal Full-Rank Signaling Over MIMO Wiretap Channels Under Inter-

ference Constraint. Loyka, S., +, LWC Aug. 2018 534-537 Secure Full-Duplex Two-Way Relaying for SWIPT. Okandeji, A.A., +,

LWC June 2018 336-339

Cryptographic protocols

Security of Grouping-Proof Authentication Protocol for Distributed RFID Systems. Sun, D., +, LWC April 2018 254-257

Cryptography

Evolutionary Game for Mining Pool Selection in Blockchain Networks. Liu, X., +, LWC Oct. 2018 760-763

Cyber-physical systems

The Safety Analysis: Disagreement of Wireless Communication-Based Consensus. *Tedik Basaran, S.*, +, *LWC Dec. 2018* 998-1001

D

Data communication

Centralized Trust-Based Secure Routing in Wireless Networks. Yun, J., +, LWC Dec. 2018 1066-1069

Data mining

Decision making

From Cellular Decision Making to Adaptive Handoff in Heterogeneous Wireless Networks. *Tian, D.*, +, *LWC Feb. 2018 2-5*

On Power-Efficient Planning in Dynamic Small Cell Networks. *Maghsudi*, S., +, *LWC June 2018 304-307*

Decision theory

Optimal Sleeping Mechanism for Multiple Servers With MMPP-Based Bursty Traffic Arrival. Jiang, Z., +, LWC June 2018 436-439

Decode and forward communication

Coordinated Direct and Relay Transmission Using Uplink NOMA. Kader, M.F., +, LWC June 2018 400-403

- Graph-Based Path Selection and Power Allocation for DF Relay-Aided Transmission. Lu, L., +, LWC Feb. 2018 138-141
- How to Reduce Unexpected eMBMS Session Disconnection: Design and Performance Analysis. *Chan, T., +, LWC Feb. 2018 126-129*
- Performance Analysis of Reversible Binding Receptor Based Decode-and-Forward Relay in Molecular Communication Systems. *Yuan, S., +, LWC Oct. 2018 880-883*

Decoding

Compute-and-Forward for Uplink Non-Orthogonal Multiple Access. *Guo*, *C*., +, *LWC Dec.* 2018 986-989

Coordinated Direct and Relay Transmission Using Uplink NOMA. Kader, M.F., +, LWC June 2018 400-403

- Low-Cost Implementation Techniques for Interleave Division Multiple Access. Hu, Y., +, LWC Dec. 2018 1026-1029
- Network Coding for Physical Layer Secrecy. Etemadi Tajbakhsh, S., +, LWC Aug. 2018 642-645
- NOMA Systems With Content-Centric Multicast Transmission for C-RAN. Lee, S., +, LWC Oct. 2018 828-831
- Outage Performance of Two-Hop OFDM With Index Modulation and Multi-Carrier Relay Selections. Dang, S., +, LWC Dec. 2018 926-929
- Partially Active Message Passing Receiver for MIMO-SCMA Systems. Dai, J., +, LWC April 2018 222-225
- Pre-Processing Images for Enhancing Reliability in Screen-to-Camera Communication. Kim, Y., +, LWC Dec. 2018 934-937

Pseudo-Systematic Decoding of Hybrid Instantly Decodable Network Code for Wireless Broadcasting. *Wang, J.*, +, *LWC Oct. 2018 840-843* Raptor Codes for Higher-Order Modulation Using a Multi-Edge Framework. *Jayasooriya, S.*, +, *LWC Feb. 2018 110-113*

Delay estimation

- A Frequency-Domain SPICE Approach to High-Resolution Time Delay Estimation. Park, H., +, LWC June 2018 360-363
- Active Cancellation of Self-Interference for Full-Duplex Amplify and Forward Wi-Fi Relay. *Shaboyan, S., +, LWC Dec. 2018 1050-1053*
- Algebraic Analysis of the Poles in the Doppler Spectrum for Vehicle-to-Vehicle Channels. *Walter, M.*, +, *LWC Aug. 2018 662-665*
- Delay Analysis of Random Scheduling and Round Robin in Small Cell Networks. Yang, H.H., +, LWC Dec. 2018 978-981
- Resource Allocation in NOMA Virtualized Wireless Networks Under Statistical Delay Constraints. Sinaie, M., +, LWC Dec. 2018 954-957
- Slicing the Edge: Resource Allocation for RAN Network Slicing. Vo, P.L., +, LWC Dec. 2018 970-973

Demodulation

Noise-Aided Demodulation With One-Bit Comparator for Multilevel Pulse-Amplitude-Modulated Signals. *Nakashima, Y.*, +, *LWC Oct. 2018* 848-851

Density functional theory

An Algorithm of Efficient Proactive Placement of Autonomous Drones for Maximum Coverage in Cellular Networks. *Huang, H., +, LWC Dec.* 2018 994-997

Detectors

OFDM With Subcarrier Number Modulation. Jaradat, A.M., +, LWC Dec. 2018 914-917

Power-Based Broadband RF Interference Detector for Wireless Communication Systems. *Getu*, *T.M.*, +, *LWC Dec. 2018 1002-1005*

Device-to-device communication

Optimal Content Sharing Mode Selection for Social-Aware D2D Communications. *Wu*, *D.*, +, *LWC Dec. 2018 910-913*

Power Allocation and User Clustering for Uplink MC-NOMA in D2D Underlaid Cellular Networks. Zheng, H., +, LWC Dec. 2018 1030-1033

Dictionaries

Data Driven Automatic Modulation Classification via Dictionary Learning. Zhang, K., +, LWC Aug. 2018 586-589

Differential detection

Multiple Symbol Differential Detection for Noncoherent Communications With Large-Scale Antenna Arrays. *Wang, Y.*, +, *LWC April 2018 190-193* Differential equations

Space-Time Stochastic Rain Fading Channel for Multiple LEO or MEO Satellite Slant Paths. *Kourogiorgas, C.I.*, +, *LWC June 2018 284-287*

Differential phase shift keying

Differential 16-QAM and 16-APSK for Uplink Massive MIMO Systems. Wei, R., +, LWC April 2018 170-173

Dipole antennas

Relationship Between Cross-Polarization Discrimination (XPD) and Spatial Correlation in Indoor Small-Cell MIMO Systems. *Lim, Y.*, +, *LWC Aug. 2018 654-657*

Temporal Autocorrelation of Small-Scale Fading Using Leaky Coaxial Cable in Confined Space. Pan, Y, +, LWC Dec. 2018 1082-1085

Direction-of-arrival estimation

A Frequency-Domain SPICE Approach to High-Resolution Time Delay Estimation. Park, H., +, LWC June 2018 360-363

Directive antennas

A Novel Approximate Antenna Pattern for Directional Antenna Arrays. Deng, N., +, LWC Oct. 2018 832-835

Measurement and Configuration of DSRC Radios for Vehicle-to-Train (V2T) Safety-Critical Communications. *Choi, J.*, +, *LWC June 2018* 428-431

Retrodirective Large Antenna Energy Beamforming in Backscatter Multi-User Networks. Krikidis, I., LWC Aug. 2018 678-681

Discrete event simulation

Multiple Packet Transmissions in Duty Cycling WSNs: A DTMC-Based Throughput Analysis. *Guntupalli, L., +, LWC June 2018 480-483*

Discrete Fourier transforms On the Sensitivity of Zero-Tail DFT-Spread-OFDM to Small Bandwidth

Allocations. Berardinelli, G., LWC June 2018 452-455

Distortion

Pre-Processing Images for Enhancing Reliability in Screen-to-Camera Communication. *Kim, Y.*, +, *LWC Dec. 2018 934-937*

Distribution functions

Accurate Closed-Form Approximations for the Sum of Correlated Weibull Random Variables. *El Bouanani, F., +, LWC Aug. 2018 498-501*

Diversity methods

On the Sum of Fisher–Snedecor F Variates and Its Application to Maximal-Ratio Combining. Badarneh, O.S., +, LWC Dec. 2018 966-969

Target Localization in NLOS Environments Using RSS and TOA Measurements. *Tomic, S.*, +, *LWC Dec. 2018 1062-1065*

Diversity reception

- A Novel Spectrum Sharing Scheme Assisted by Secondary NOMA Relay. Chen, B., +, LWC Oct. 2018 732-735
- A Space-Time Transmission Scheme for Large MIMO Systems. M. K., A., LWC Feb. 2018 62-65
- Amplify-and-Forward Virtual Full-Duplex Relaying-Based Cooperative NOMA. *Liau*, *Q.Y.*, +, *LWC June 2018 464-467*
- Diversity Order Results for MIMO Optical Wireless Communications. Sapenov, Y., +, LWC Feb. 2018 74-77
- Dual Carrier Modulation in Channel Aggregation for 60 GHz WLAN Systems. *Wu*, *T.*, +, *LWC Oct. 2018 792-795*
- Exploiting Signal Space Diversity in OFDM With Grouped Subcarriers: Going Beyond Subcarrier Index Modulation. *Inacio, J.C.*, +, *LWC Aug.* 2018 650-653
- Impact of Relay's Eavesdropping on Untrusted Amplify-and-Forward Networks Over Nakagami-m Fading. Ding, F., +, LWC Feb. 2018 102-105 Imperfect CSI Based Multi-Way Satellite Relaying. M. K., A., LWC Oct. 2018 864-867
- Joint Transmit Beamforming and Antenna Selection in MIMO Systems. Zhao, M., +, LWC Oct. 2018 716-719
- On the Sum of Fisher–Snedecor F Variates and Its Application to Maximal-Ratio Combining. *Badarneh*, O.S., +, *LWC Dec.* 2018 966-969 Physical Layer Security for Cooperative Relaying Over Generalized-K Excise Character Mark 1997 (2019)
- Fading Channels. Wu, L., +, LWC Aug. 2018 606-609
- TCM for OFDM-IM. Choi, J., +, LWC Feb. 2018 50-53 The BEP Analysis of MPC Aided Cready Detection for
- The BER Analysis of MRC-Aided Greedy Detection for OFDM-IM in Presence of Uncertain CSI. *Luong, T.V.,* +, *LWC Aug. 2018 566-569* Doppler shift
- Algebraic Analysis of the Poles in the Doppler Spectrum for Vehicle-to-Vehicle Channels. *Walter, M.*, +, *LWC Aug. 2018 662-665*

Downlink

- Approximation of Meta Distribution and its Moments for Poisson Cellular Networks. Guruacharya, S., +, LWC Dec. 2018 1074-1077
- Meta Distribution of the Secrecy Rate in the Presence of Randomly Located Eavesdroppers. Tang, J., +, LWC Aug. 2018 630-633
- Over-Sampling Codebook-Based Hybrid Minimum Sum-Mean-Square-Error Precoding for Millimeter-Wave 3D-MIMO. *Mao*, *J.*, +, *LWC Dec*. 2018 938-941

Drones

An Algorithm of Efficient Proactive Placement of Autonomous Drones for Maximum Coverage in Cellular Networks. *Huang, H., +, LWC Dec.* 2018 994-997

Dynamic programming

- Fractional Sparse Code Multiple Access and Its Optimization. Wang, Y, +, LWC Dec. 2018 990-993
- Information Prediction and Dynamic Programming-Based RAN Slicing for Mobile Edge Computing. *Zhao*, *P.*, +, *LWC Aug. 2018 614-617*
- Optimal Epidemic Information Dissemination in Uncertain Dynamic Environment. *Tian, D.*, +, *LWC Aug. 2018 518-521*

Е

Eigenvalues and eigenfunctions

- Estimation of MIMO Transmit-Antenna Number Using Higher-Order Moments-Based Hypothesis Testing. *Li*, *T*., +, *LWC April 2018 258-261* Electromagnetic wave attenuation
 - Performance Analysis of Reversible Binding Receptor Based Decode-and-Forward Relay in Molecular Communication Systems. *Yuan, S., +, LWC Oct. 2018 880-883*
- Electromagnetic wave reflection
- Retrodirective Large Antenna Energy Beamforming in Backscatter Multi-User Networks. *Krikidis, I., LWC Aug. 2018 678-681*
- Electromagnetic wave scattering
- Algebraic Analysis of the Poles in the Doppler Spectrum for Vehicle-to-Vehicle Channels. Walter, M., +, LWC Aug. 2018 662-665
- Electronic mail

Meta Distribution of the Secrecy Rate in the Presence of Randomly Located Eavesdroppers. *Tang, J.*, +, *LWC Aug. 2018 630-633* Encoding

- A Hybrid Digital-Analog Chaotic Code. Yu, W., +, LWC Dec. 2018 930-933
- Fitness-Aware Coded Multicasting for Decentralized Caching With Finite File Packetization. Zhang, N., +, LWC Oct. 2018 740-743
- Improving Anti-Eavesdropping Ability Without Eavesdropper's CSI: A Practical Secure Transmission Design Perspective. *Zheng, T.*, +, *LWC Dec.* 2018 946-949

SNR-Aware Power Allocation Scheme for Lossy-Forward Relaying Systems. Santos Filho, J.C.S., +, LWC Dec. 2018 1018-1021

Energy conservation

- Energy Minimization for Cache-Assisted Content Delivery Networks With Wireless Backhaul. Vu, T.X., +, LWC June 2018 332-335
- Energy- and Spectral-Efficiency Trade-Off for D2D-Multicasts in Underlay Cellular Networks. *Bhardwaj, A., +, LWC Aug. 2018 546-549*
- Modularity-Based Dynamic Clustering for Energy Efficient UAVs-Aided Communications. Yu, J., +, LWC Oct. 2018 728-731
- Novel Sensor Scheduling Scheme for Intruder Tracking in Energy Efficient Sensor Networks. *Diddigi, R.B., +, LWC Oct. 2018 712-715*
- Optimum Spectral and Energy Efficiency Tradeoff in Two-User Gaussian Interference Channel. Cai, D., +, LWC June 2018 468-471
- Utility-Energy Efficiency Oriented User Association With Power Control in Heterogeneous Networks. *Huang, X.*, +, *LWC Aug. 2018 526-529*

Energy consumption

- An Energy-Efficient Network-Wide Broadcast Protocol for Asynchronous Wireless Sensor Networks. *Wang, X.*, +, *LWC Dec. 2018 918-921* Energy Minimization for Cache-Assisted Content Delivery Networks With
- Wireless Backhaul. *Vu, T.X.*, +, *LWC June 2018 332-335* Novel Sensor Scheduling Scheme for Intruder Tracking in Energy Efficient
- Sensor Networks. *Diddigi, R.B.*, +, *LWC Oct. 2018 712-715*

Energy harvesting

- A Secret-Key-Aided Scheme to Secure Transmissions From Single-Antenna RF-EH Source Nodes. *El Shafie*, A., +, *LWC April 2018 238-241* Joint Channel Resources Allocation and Beamforming in Energy Harvest-
- ing Systems. Le, T., +, LWC Oct. 2018 884-887 Joint Information and Power Transfer in SWIPT-Enabled CRFID Net-
- works. Kim, Y., +, LWC April 2018 186-189 Jointly Optimal Spatial Channel Assignment and Power Allocation for
- MIMO SWIPT Systems. *Mishra*, *D.*, +, *LWC April 2018 214-217*
- Level-Triggered Harvest-Then-Consume Protocol With Two Bits or Less Energy State Information. *Guruacharya, S., +, LWC April 2018 150-153*
- Multichannel Selection for Cognitive Radio Networks With RF Energy Harvesting. Xu, M., +, LWC April 2018 178-181
- Optimal Power and Time Allocation for WPCNs With Piece-Wise Linear EH Model. *Pejoski, S.,* +, *LWC June 2018 364-367*
- Optimal Time Scheduling for Wireless-Powered Backscatter Communication Networks. Van Huynh, N., +, LWC Oct. 2018 820-823
- Optimum QoS-Aware Beamformer Design for Full-Duplex Relay With Self-Energy Recycling. Demir, O.T., +, LWC Feb. 2018 122-125
- Retrodirective Large Antenna Energy Beamforming in Backscatter Multi-User Networks. Krikidis, I., LWC Aug. 2018 678-681
- Retrodirective Multi-User Wireless Power Transfer With Massive MIMO. Lee, S., +, LWC Feb. 2018 54-57
- Secure Beamforming Designs for Secrecy MIMO SWIPT Systems. Zhu, Z., +, LWC June 2018 424-427
- Two-Way Full-Duplex Spatial Modulation Systems With Wireless Powered AF Relaying. *Koc, A., +, LWC June 2018 444-447*

Epidemics

- Optimal Epidemic Information Dissemination in Uncertain Dynamic Environment. *Tian, D., +, LWC Aug. 2018 518-521*
- Error analysis

Approximation of Meta Distribution and its Moments for Poisson Cellular Networks. *Guruacharya, S.*, +, *LWC Dec. 2018 1074-1077*

Error correction codes

Target Localization Using Sensor Location Knowledge in Wireless Sensor Networks. Wei, C., +, LWC June 2018 456-459

Error statistics

- A Hybrid Tomlinson–Harashima Transceiver Design for Multiuser mmWave MIMO Systems. *Chang, T.*, +, *LWC Feb. 2018 118-121*
- A Space-Time Transmission Scheme for Large MIMO Systems. M. K., A., LWC Feb. 2018 62-65
- Approximate BER Analysis for MAC Systems. Alves, D.I., +, LWC Feb. 2018 10-13
- Bit-Level Reduced Neighborhood Search for Low-Complexity Detection in Large MIMO Systems. *Mann, P.*, +, *LWC April 2018 146-149*
- Characterizing the Relation Between Processing Power and Distance Between BBU and RRH in a Cloud RAN. *Marotta, M.A.*, +, *LWC June* 2018 472-475
- Estimation of Rician K-Factor in the Presence of Nakagami-*m* Shadowing for the LoS Component. *Giunta, G., +, LWC Aug. 2018 550-553*
- Exploiting Signal Space Diversity in OFDM With Grouped Subcarriers: Going Beyond Subcarrier Index Modulation. *Inacio, J.C.*, +, *LWC Aug.* 2018 650-653
- FISTA-Based PAPR Reduction Method for Tone Reservation's OFDM System. Wang, Y., +, LWC June 2018 300-303
- Imperfect CSI Based Multi-Way Satellite Relaying. M. K., A., LWC Oct. 2018 864-867

Improved Cognitive Networking Through Full Duplex Cooperative ARQ and HARQ. *Towhidlou*, V., +, *LWC April 2018 218-221*

Iterative Detection and Decoding for Large-Scale Multiple-Antenna Systems With 1-Bit ADCs. Shao, Z., +, LWC June 2018 476-479

- Low Complexity Message Passing Detection Algorithm for Large-Scale MIMO Systems. Zeng, J., +, LWC Oct. 2018 708-711
- Low-Complexity LLR Calculation for OFDM With Index Modulation. Hu, Z., +, LWC Aug. 2018 618-621
- Optimal Design of Resource Element Mapping for Sparse Spreading Non-Orthogonal Multiple Access. Yu, H., +, LWC Oct. 2018 744-747
- Performance Analysis of Reversible Binding Receptor Based Decode-and-Forward Relay in Molecular Communication Systems. *Yuan, S., +, LWC Oct. 2018 880-883*
- Performance Enhancement of Downlink NOMA by Combination With GSSK. Kim, J.W., +, LWC Oct. 2018 860-863
- Performance of SWIPT-Based Differential AF Relaying Over Nakagami-m Fading Channels With Direct Link. Lou, Y., +, LWC Feb. 2018 106-109 Quadrature Dual Mode Index Modulation. Bouhlel, A., +, LWC Aug. 2018
- 542-545 Space-Shift-Keying-Based Wireless-Powered Communications. *Badarneh*,
- O.S., LWC Aug. 2018 670-673 TCM for OFDM-IM. Choi, J., +, LWC Feb. 2018 50-53
- The BER Analysis of MRC-Aided Greedy Detection for OFDM-IM in Presence of Uncertain CSI. *Luong*, *T.V.*, +, *LWC Aug*, 2018 566-569

Two-Way Full-Duplex Spatial Modulation Systems With Wireless Powered AF Relaying. Koc, A., +, LWC June 2018 444-447

- Ultra-Reliable Short-Packet Communications: Half-Duplex or Full-Duplex Relaying?. *Gu, Y.*, +, *LWC June 2018 348-351*
- Variable-Rate Variable-Power MQAM for Spectral Efficiency Maximization in Full-Duplex Systems. Gao, Q., +, LWC June 2018 288-291

Estimation

Extrinsic Information Analysis of a New Iterative Method Using the Stair Matrix for Massive MIMO Uplink Signal Detection. *Jiang, F.*, +, *LWC Dec.* 2018 1022-1025

Evolutionary computation

Evolutionary Game for Mining Pool Selection in Blockchain Networks. Liu, X., +, LWC Oct. 2018 760-763

Expectation-maximization algorithms

Soft-Information Aided Channel Estimation With IQ Imbalance for Alternate-Relaying OFDM Cooperative Systems. *Marey, M., LWC June* 2018 308-311

F

Fading channels

- A Secret-Key-Aided Scheme to Secure Transmissions From Single-Antenna RF-EH Source Nodes. *El Shafie, A.*, +, *LWC April 2018 238-241* Accurate Closed-Form Approximations for the Sum of Correlated Weibull Random Variables. *El Bouanani, F.*, +, *LWC Aug. 2018 498-501*
- Approximation of Meta Distribution and its Moments for Poisson Cellular Networks. *Guruacharya, S.*, +, *LWC Dec. 2018 1074-1077*
- Energy-Efficient Data Collection in UAV Enabled Wireless Sensor Network. Zhan, C., +, LWC June 2018 328-331
- Extending the ITU-R P.530 Deep-Fading Outage Probability Results to SIMO-MRC and MIMO-MRC Line-of-Sight Systems. *Gagnon, F., +, LWC Dec. 2018 1086-1089*
- Meta Distribution of the Secrecy Rate in the Presence of Randomly Located Eavesdroppers. *Tang, J.*, +, *LWC Aug. 2018 630-633*
- On the Sum of Fisher–Snedecor F Variates and Its Application to Maximal-Ratio Combining. *Badarneh*, O.S., +, LWC Dec. 2018 966-969 Outage Analysis of Multirelay Multiuser Hybrid Satellite-Terrestrial
- Millimeter-Wave Networks. *Liang*, X., +, *LWC Dec.* 2018 1046-1049 Power-Based Broadband RF Interference Detector for Wireless Commu-
- nication Systems. Getu, T.M., +, LWC Dec. 2018 1002-1005 Secrecy Capacity Analysis of AN-Aided FDA Communication Over
- Nakagami-m Fading. Ji, S., +, LWC Dec. 2018 1034-1037
- Secrecy Performance of Satellite Wiretap Channels With Multi-User Opportunistic Scheduling. *Guo, K.*, +, *LWC Dec. 2018 1054-1057*
- SNR-Aware Power Allocation Scheme for Lossy-Forward Relaying Systems. Santos Filho, J.C.S., +, LWC Dec. 2018 1018-1021
- Space-Time Stochastic Rain Fading Channel for Multiple LEO or MEO Satellite Slant Paths. *Kourogiorgas, C.I., +, LWC June 2018 284-287* TCM for OFDM-IM. *Choi, J., +, LWC Feb. 2018 50-53*
- Temporal Autocorrelation of Small-Scale Fading Using Leaky Coaxial Cable in Confined Space. Pan, Y., +, LWC Dec. 2018 1082-1085
- The Safety Analysis: Disagreement of Wireless Communication-Based Consensus. *Tedik Basaran, S.*, +, *LWC Dec. 2018 998-1001*

Automatic Modulation Classification for D-STBC Cooperative Relaying Networks. *Tayakout, H., +, LWC Oct. 2018 780-783*

Feedback

- Channel Feedback Codebook Design for Millimeter-Wave Massive MIMO Systems Relying on Lens Antenna Array. *Shen, W., +, LWC Oct. 2018* 736-739
- Deep Learning for Massive MIMO CSI Feedback. Wen, C., +, LWC Oct. 2018 748-751

Forward error correction

A Novel Joint PAPR Reduction Algorithm With Low Complexity Using LT Codes. Bi, D., +, LWC April 2018 166-169

Fourier transforms

A Frequency-Domain SPICE Approach to High-Resolution Time Delay Estimation. Park, H., +, LWC June 2018 360-363

Free-space optical communication

- Diversity Order Results for MIMO Optical Wireless Communications. Sapenov, Y., +, LWC Feb. 2018 74-77
- Physical Layer Security in Visible Light Communication Systems With Randomly Located Colluding Eavesdroppers. Cho, S., +, LWC Oct. 2018 768-771

Frequency division multiple access

Channel Access Method Classification for Cognitive Radio Applications. Laghate, M., +, LWC Feb. 2018 70-73

Power and Interference Regulated Water-Filling for Multi-Tier Multi-Carrier Interference Aware Uplink. Yuksekkaya, B., +, LWC Aug. 2018 494-497

Frequency estimation

CFO and Channel Estimation for Frequency Selective MIMO-FBMC/OQAM Systems. *Singh, P.*, +, *LWC Oct. 2018 844-847*

Frequency-domain analysis

A Frequency-Domain SPICE Approach to High-Resolution Time Delay Estimation. Park, H., +, LWC June 2018 360-363

- Adaptive Windowing for ICI Mitigation in Vehicular Communications. Vlachos, E., +, LWC Dec. 2018 974-977
- On the Sensitivity of Zero-Tail DFT-Spread-OFDM to Small Bandwidth Allocations. *Berardinelli, G., LWC June 2018 452-455*

G

Game theory

- A Game-Theoretic Approach for Optimal Distributed Cooperative Hybrid Caching in D2D Networks. *Zhang, Y., +, LWC June 2018 324-327*
- A Novel Price-Based Power Allocation Algorithm in Non-Orthogonal Multiple Access Networks. *Wang, Z.*, +, *LWC April 2018 230-233*
- Changing the Game: A Micro Moving Target IPv6 Defense for the Internet of Things. Zeitz, K., +, LWC Aug. 2018 578-581
- Computation Offloading and Activation of Mobile Edge Computing Servers: A Minority Game. Ranadheera, S., +, LWC Oct. 2018 688-691
- Evolutionary Game for Mining Pool Selection in Blockchain Networks. Liu, X., +, LWC Oct. 2018 760-763
- Mixed Nash Equilibria for In-Band Full-Duplex Networks. *Munari, A., +, LWC Aug. 2018 502-505*
- On Power-Efficient Planning in Dynamic Small Cell Networks. *Maghsudi*, S., +, *LWC June 2018 304-307*
- Price-Based Distributed Offloading for Mobile-Edge Computing With Computation Capacity Constraints. *Liu, M.*, +, *LWC June 2018 420-423*

Gaussian channels

- Design of LDPC Codes for the Unequal Power Two-User Gaussian Multiple Access Channel. *Balatsoukas-Stimming, A.*, +, *LWC Oct. 2018* 868-871
- Optimum Spectral and Energy Efficiency Tradeoff in Two-User Gaussian Interference Channel. Cai, D., +, LWC June 2018 468-471

Gaussian distribution

Golden Angle Modulation. Larsson, P., LWC Feb. 2018 98-101 Gaussian noise

- Improved Algebraic Solution for Source Localization From TDOA and FDOA Measurements. *Noroozi, A.*, +, *LWC June 2018 352-355*
- Quantizer Design for Generalized Locally Optimum Detectors in Wireless Sensor Networks. *Ciuonzo, D.*, +, *LWC April 2018 162-165*

Gaussian processes

- Estimation of Rician K-Factor in the Presence of Nakagami-*m* Shadowing for the LoS Component. *Giunta*, *G.*, +, *LWC Aug.* 2018 550-553
- Generalized Multistream Spatial Modulation With Signal Constellations Based on Hurwitz Integers and Low-Complexity Detection. *Freudenberger, J.*, +, *LWC June 2018 412-415*
- Low-Dimensionality of Noise-Free RSS and Its Application in Distributed Massive MIMO. *Surya Vara Prasad, K.N.R.*, +, *LWC Aug. 2018 486-489* Partially Active Message Passing Receiver for MIMO-SCMA Systems. *Dai, J.*, +, *LWC April 2018 222-225*
- The Golden Quantizer: The Complex Gaussian Random Variable Case. Larsson, P., +, LWC June 2018 312-315

Graph theory

- Graph-Based Path Selection and Power Allocation for DF Relay-Aided Transmission. Lu, L., +, LWC Feb. 2018 138-141
- Spatio-Temporal Compressive Sensing-Based Data Gathering in Wireless Sensor Networks. Li, X., +, LWC April 2018 198-201
- Spectrum Efficient Resource Management for Multi-Carrier-Based NOMA Networks: A Graph-Based Method. Zhai, D., +, LWC June 2018 388-391

Н

Handheld computers

Power-Based Broadband RF Interference Detector for Wireless Communication Systems. *Getu, T.M.*, +, *LWC Dec. 2018 1002-1005*

Harmonic analysis Temporal Autocorrelation

Temporal Autocorrelation of Small-Scale Fading Using Leaky Coaxial Cable in Confined Space. *Pan, Y.*, +, *LWC Dec. 2018 1082-1085*

- Heuristic algorithms
 - Deep Neural Networks for Linear Sum Assignment Problems. Lee, M., +, LWC Dec. 2018 962-965
 - Fractional Sparse Code Multiple Access and Its Optimization. Wang, Y., +, LWC Dec. 2018 990-993

Higher order statistics

- Automatic Modulation Classification for D-STBC Cooperative Relaying Networks. *Tayakout, H., +, LWC Oct. 2018 780-783*
- Channel Access Method Classification for Cognitive Radio Applications. Laghate, M., +, LWC Feb. 2018 70-73

Ι

IEEE publishing

- Exemplary Reviewers 2017. Zhang, W., LWC Feb. 2018 1 Image processing
- Pre-Processing Images for Enhancing Reliability in Screen-to-Camera Communication. Kim, Y, +, LWC Dec. 2018 934-937

Indoor radio

Aerial Anchors Positioning for Reliable RSS-Based Outdoor Localization in Urban Environments. Sallouha, H., +, LWC June 2018 376-379

Inductive power transmission Joint Information and Power Transfer in SWIPT-Enabled CRFID Networks. Kim, Y., +, LWC April 2018 186-189

Retrodirective Multi-User Wireless Power Transfer With Massive MIMO. Lee, S., +, LWC Feb. 2018 54-57

Information analysis

Extrinsic Information Analysis of a New Iterative Method Using the Stair Matrix for Massive MIMO Uplink Signal Detection. *Jiang, F., +, LWC Dec. 2018 1022-1025*

Information theory

Golden Angle Modulation. Larsson, P., LWC Feb. 2018 98-101

Integer linear programming

- Optimal Content Sharing Mode Selection for Social-Aware D2D Communications. *Wu*, *D*., +, *LWC Dec. 2018 910-913*
- Integer programming
 - A Novel Cell Reconfiguration Technique for Dynamic TDD Wireless Networks. Ardah, K., +, LWC June 2018 320-323

Cooperative Transmission in Small Cell Networks Using Network Coding. Zhan, C., +, LWC Aug. 2018 510-513

Energy-Efficient Data Collection in UAV Enabled Wireless Sensor Network. Zhan, C., +, LWC June 2018 328-331

Hybrid Precoding for Multi-Subarray Millimeter-Wave Communication Systems. *Zhang, J.*, +, *LWC June 2018 440-443*

On Fair Rule Caching in Software Defined Radio Access Networks. Rastegar, S.H., +, LWC June 2018 460-463

Secrecy-Oriented Antenna Assignment Optimization at Full-Duplex Receiver With Self-Interference. Guo, T., +, LWC Aug. 2018 562-565

Integrated circuits

LoRa Transceiver With Improved Characteristics. Jovalekic, N., +, LWC Dec. 2018 1058-1061

Intensity modulation

Diversity Order Results for MIMO Optical Wireless Communications. Sapenov, Y., +, LWC Feb. 2018 74-77

Interference

Adaptive Windowing for ICI Mitigation in Vehicular Communications. Vlachos, E., +, LWC Dec. 2018 974-977

Approximation of Meta Distribution and its Moments for Poisson Cellular Networks. *Guruacharya, S.*, +, *LWC Dec.* 2018 1074-1077

- Filter Hopping Based Faster-Than-Nyquist Signaling for Physical Layer Security. Wang, J., +, LWC Dec. 2018 894-897
- Improving Anti-Eavesdropping Ability Without Eavesdropper's CSI: A Practical Secure Transmission Design Perspective. *Zheng, T., +, LWC Dec. 2018 946-949*
- Massive MIMO Downlink Goodput Analysis With Soft Pilot or Frequency Reuse. Li, Y., +, LWC June 2018 448-451
- Measured Uplink Interference Caused by Aerial Vehicles in LTE Cellular Networks. *Amorim, R.*, +, *LWC Dec. 2018 958-961*
- NOMA-Aided Cell-Free Massive MIMO Systems. Li, Y., +, LWC Dec. 2018 950-953
- Optimum Spectral and Energy Efficiency Tradeoff in Two-User Gaussian Interference Channel. Cai, D., +, LWC June 2018 468-471
- Outage Performance of NOMA-Based Hybrid Satellite-Terrestrial Relay Networks. Yan, X., +, LWC Aug. 2018 538-541
- Power Allocation and User Clustering for Uplink MC-NOMA in D2D Underlaid Cellular Networks. *Zheng, H.*, +, *LWC Dec. 2018 1030-1033*
- Power Allocation for Multi-Hop Transmission Using Unsaturated Full-Duplex Relay Network Model. Park, J., +, LWC Dec. 2018 906-909
- Power-Based Broadband RF Interference Detector for Wireless Communication Systems. Getu, T.M., +, LWC Dec. 2018 1002-1005
- Pre-Processing Images for Enhancing Reliability in Screen-to-Camera Communication. *Kim, Y.*, +, *LWC Dec. 2018 934-937*
- Topological Interference Management Framework for Device-to-Device Communication. *Doumiati, S.*, +, *LWC Aug. 2018 602-605*

Interference cancellation

Compute-and-Forward for Uplink Non-Orthogonal Multiple Access. *Guo*, *C.*, +, *LWC Dec.* 2018 986-989

Simple and Fast PPP-Based Approximation of SIR Distributions in Downlink Cellular Networks. *Takahashi, Y., +, LWC Dec. 2018 898-901*

Interference suppression

- Amplify-and-Forward Virtual Full-Duplex Relaying-Based Cooperative NOMA. *Liau*, Q.Y., +, *LWC June 2018 464-467*
- Coordinated Direct and Relay Transmission Using Uplink NOMA. *Kader*, M.F., +, LWC June 2018 400-403
- Coverage Analysis of Reduced Power Subframes Applied in Heterogeneous Networks With Subframe Misalignment Interference. *Hu*, *H*., +, *LWC Oct.* 2018 752-755
- Distributed Beamforming in Dynamic TDD MIMO Networks With BS to BS Interference Constraints. *de Olivindo Cavalcante, E.*, +, *LWC Oct.* 2018 788-791
- Iterative Detection and Decoding for Large-Scale Multiple-Antenna Systems With 1-Bit ADCs. *Shao*, Z, +, *LWC June 2018 476-479*
- Massive BLAST: An Architecture for Realizing Ultra-High Data Rates for Large-Scale MIMO. *Shental*, *O.*, +, *LWC June 2018 404-407*
- Mixed Nash Equilibria for In-Band Full-Duplex Networks. *Munari, A.*, +, *LWC Aug. 2018 502-505*
- NOMA Systems With Content-Centric Multicast Transmission for C-RAN. Lee, S., +, LWC Oct. 2018 828-831
- On the SIR Meta Distribution for Poisson Networks With Interference Cancellation. Wang, Y., +, LWC Feb. 2018 26-29

Optimal Power Control for NOMA Wireless Networks With Relays. *Gau*, *R*., +, *LWC Feb. 2018 22-25*

- Phase Noise in Full-Duplex Radios Using Off-the-Shelf Oscillators. Zhang, C., +, LWC April 2018 206-209
- Power and Interference Regulated Water-Filling for Multi-Tier Multi-Carrier Interference Aware Uplink. *Yuksekkaya, B.*, +, *LWC Aug. 2018* 494-497
- Resource Allocation for D2D Communications Underlaying a NOMA-Based Cellular Network. Pan, Y., +, LWC Feb. 2018 130-133
- Secrecy-Oriented Antenna Assignment Optimization at Full-Duplex Receiver With Self-Interference. Guo, T., +, LWC Aug. 2018 562-565
- Sparsity-Aware Ordered Successive Interference Cancellation for Massive Machine-Type Communications. Ahn, J., +, LWC Feb. 2018 134-137
- Spectrum Efficient Resource Management for Multi-Carrier-Based NOMA Networks: A Graph-Based Method. Zhai, D., +, LWC June 2018 388-391

Transceiver Design for MIMO Full-Duplex Two-Way Relay Network. Ayir, N., +, LWC Oct. 2018 772-775

Two-Way Full-Duplex Spatial Modulation Systems With Wireless Powered AF Relaying. Koc, A., +, LWC June 2018 444-447

Ultra-Reliable Short-Packet Communications: Half-Duplex or Full-Duplex Relaying?. *Gu, Y.*, +, *LWC June 2018 348-351*

X-Duplex Radios: Flexible Switching Between Full-Duplex and Half-Duplex. Yao, C., +, LWC Feb. 2018 94-97

Internet of Things

Changing the Game: A Micro Moving Target IPv6 Defense for the Internet of Things. Zeitz, K., +, LWC Aug. 2018 578-581

Internetworking

Optimal Satellite Gateway Placement in Space-Ground Integrated Network for Latency Minimization With Reliability Guarantee. *Cao, Y.*, +, *LWC April 2018 174-177*

Intersymbol interference

On the Sensitivity of Zero-Tail DFT-Spread-OFDM to Small Bandwidth Allocations. *Berardinelli, G., LWC June 2018 452-455*

Inverse transforms

Deep Learning for Massive MIMO CSI Feedback. Wen, C., +, LWC Oct. 2018 748-751

IP networks

Changing the Game: A Micro Moving Target IPv6 Defense for the Internet of Things. Zeitz, K., +, LWC Aug. 2018 578-581

Iterative decoding

- Iterative Detection and Decoding for Large-Scale Multiple-Antenna Systems With 1-Bit ADCs. *Shao, Z.*, +, *LWC June 2018 476-479*
- Low-Rate PBRL-LDPC Codes for URLLC in 5G. Wu, X., +, LWC Oct. 2018 800-803

Iterative methods

- A Frequency-Domain SPICE Approach to High-Resolution Time Delay Estimation. Park, H., +, LWC June 2018 360-363
- A Novel Price-Based Power Allocation Algorithm in Non-Orthogonal Multiple Access Networks. Wang, Z., +, LWC April 2018 230-233
- Bit-Level Reduced Neighborhood Search for Low-Complexity Detection in Large MIMO Systems. *Mann, P.*, +, *LWC April 2018 146-149*
- Compressive Sensing-Based Multiuser Detection via Iterative Reweighed Approach in M2M Communications. *Zhang, X., +, LWC Oct. 2018* 764-767
- Energy-Efficient Data Collection in UAV Enabled Wireless Sensor Network. Zhan, C., +, LWC June 2018 328-331
- Extrinsic Information Analysis of a New Iterative Method Using the Stair Matrix for Massive MIMO Uplink Signal Detection. *Jiang, F., +, LWC Dec.* 2018 1022-1025
- FISTA-Based PAPR Reduction Method for Tone Reservation's OFDM System. Wang, Y., +, LWC June 2018 300-303
- Joint Optimization of Beamforming and Base Station Clustering Based on Leakage Rate. Li, Y, +, LWC June 2018 432-435
- Joint Transmit Beamforming and Antenna Selection in MIMO Systems. Zhao, M., +, LWC Oct. 2018 716-719
- Resource Allocation for D2D Communications Underlaying a NOMA-Based Cellular Network. Pan, Y., +, LWC Feb. 2018 130-133
- Resource Allocation in Reverse TDD Wireless Backhaul HetNets With 3D Massive Antennas. Niu, J., +, LWC Feb. 2018 30-33
- Resource-Selection Based Low Complexity Detector for Uplink SCMA Systems With Multiple Antennas. *Tian, L., +, LWC June 2018 316-319* Retrodirective Multi-User Wireless Power Transfer With Massive MIMO.
- Lee, S., +, LWC Feb. 2018 54-57
- Secure Beamforming Designs for Secrecy MIMO SWIPT Systems. Zhu, Z., +, LWC June 2018 424-427
- Soft-Information Aided Channel Estimation With IQ Imbalance for Alternate-Relaying OFDM Cooperative Systems. *Marey, M., LWC June 2018 308-311*

J

Jacobian matrices

Approximation of Meta Distribution and its Moments for Poisson Cellular Networks. *Guruacharya, S.*, +, *LWC Dec. 2018 1074-1077*

Jamming

 Impact of Relay's Eavesdropping on Untrusted Amplify-and-Forward Networks Over Nakagami-m Fading. *Ding, F.*, +, *LWC Feb. 2018 102-105* Jamming Detection in Massive MIMO Systems. *Akhlaghpasand, H.*, +, *LWC April 2018 242-245*

- Optimal Power Allocation for Secrecy Rate Maximization in Broadcast Wiretap Channels. Song, H., +, LWC Aug. 2018 514-517
- Secrecy-Oriented Antenna Assignment Optimization at Full-Duplex Receiver With Self-Interference. *Guo, T., +, LWC Aug. 2018 562-565*

The Safety Analysis: Disagreement of Wireless Communication-Based Consensus. *Tedik Basaran, S.*, +, *LWC Dec. 2018 998-1001*

Jitter

Analysis of the Dependency of Call Duration on the Quality of VoIP Calls. Holub, J., +, LWC Aug. 2018 638-641

L

Learning (artificial intelligence)

A Game-Theoretic Approach for Optimal Distributed Cooperative Hybrid Caching in D2D Networks. *Zhang, Y., +, LWC June 2018 324-327*

- Automatic Modulation Classification for D-STBC Cooperative Relaying Networks. *Tayakout, H., +, LWC Oct. 2018 780-783*
- Data Driven Automatic Modulation Classification via Dictionary Learning. Zhang, K., +, LWC Aug. 2018 586-589
- Deep Learning-Based Channel Estimation for Beamspace mmWave Massive MIMO Systems. *He, H., +, LWC Oct. 2018 852-855*
- Novel Sensor Scheduling Scheme for Intruder Tracking in Energy Efficient Sensor Networks. *Diddigi, R.B., +, LWC Oct. 2018 712-715*
- Power of Deep Learning for Channel Estimation and Signal Detection in OFDM Systems. Ye, H., +, LWC Feb. 2018 114-117
- Spatio-Temporal Wireless Traffic Prediction With Recurrent Neural Network. Qiu, C., +, LWC Aug. 2018 554-557
- Transmit Antenna Selection in MIMO Wiretap Channels: A Machine Learning Approach. He, D., +, LWC Aug. 2018 634-637

Least mean squares methods

- Bit-Level Reduced Neighborhood Search for Low-Complexity Detection in Large MIMO Systems. *Mann, P., +, LWC April 2018 146-149*
- CFO and Channel Estimation for Frequency Selective MIMO-FBMC/OQAM Systems. *Singh, P., +, LWC Oct. 2018 844-847*
- Compressive Sensing-Based Multiuser Detection via Iterative Reweighed Approach in M2M Communications. *Zhang, X., +, LWC Oct. 2018* 764-767
- Iterative Detection and Decoding for Large-Scale Multiple-Antenna Systems With 1-Bit ADCs. Shao, Z., +, LWC June 2018 476-479
- Joint Channel Resources Allocation and Beamforming in Energy Harvesting Systems. Le, T., +, LWC Oct. 2018 884-887

Least squares approximations

Improved Algebraic Solution for Source Localization From TDOA and FDOA Measurements. *Noroozi, A.*, +, *LWC June 2018 352-355*

One Symbol Blind Synchronization in SIMO Molecular Communication Systems. *Luo*, Z., +, *LWC Aug. 2018 530-533*

Lens antennas

Channel Feedback Codebook Design for Millimeter-Wave Massive MIMO Systems Relying on Lens Antenna Array. *Shen, W.*, +, *LWC Oct. 2018* 736-739

Linear codes

- Capacity of Symmetric Index Coding Problems With X-Network Setting With 2 × 2 Local Connectivity. *Vaddi*, *M.B.*, +, *LWC June 2018 396-399* Network Coding for Physical Layer Secrecy. *Etemadi Tajbakhsh*, *S.*, +, *LWC Aug. 2018 642-645*
- NOMA Systems With Content-Centric Multicast Transmission for C-RAN. Lee, S., +, LWC Oct. 2018 828-831
- Pseudo-Systematic Decoding of Hybrid Instantly Decodable Network Code for Wireless Broadcasting. Wang, J., +, LWC Oct. 2018 840-843

Linear programming

- A Novel Cell Reconfiguration Technique for Dynamic TDD Wireless Networks. Ardah, K., +, LWC June 2018 320-323
- Joint Admission Control and Resource Allocation for Multi-Carrier Uplink NOMA Networks. *Zhai, D., +, LWC Dec. 2018 922-925*
- On Fair Rule Caching in Software Defined Radio Access Networks. Rastegar, S.H., +, LWC June 2018 460-463
- Optimal Content Sharing Mode Selection for Social-Aware D2D Communications. *Wu, D., +, LWC Dec. 2018 910-913*

Location based services

Distributed Cooperative Localization for Mobile Wireless Sensor Networks. Salari, S., +, LWC Feb. 2018 18-21

Long Term Evolution

- Achievable Rates and Training Overheads for a Measured LOS Massive MIMO Channel. *Harris, P., +, LWC Aug. 2018 594-597*
- D2D Communication for Adaptive Streaming Exploiting White Spaces in Transmissions of the Cellular Network. *Roumeliotis, A.J., +, LWC Feb.* 2018 58-61
- Measured Uplink Interference Caused by Aerial Vehicles in LTE Cellular Networks. Amorim, R., +, LWC Dec. 2018 958-961

Loss measurement

- Suburban Residential Building Penetration Loss at 28 GHz for Fixed Wireless Access. Du, J., +, LWC Dec. 2018 890-893
- Target Localization in NLOS Environments Using RSS and TOA Measurements. *Tomic, S.*, +, *LWC Dec. 2018 1062-1065*

М

Machine learning

Learning Oriented Cross-Entropy Approach to User Association in Load-Balanced HetNet. *Huang, X., +, LWC Dec. 2018 1014-1017*

Machine-to-machine communication

Compressive Sensing-Based Multiuser Detection via Iterative Reweighed Approach in M2M Communications. *Zhang, X.*, +, *LWC Oct. 2018* 764-767

Markov processes

Multiple Packet Transmissions in Duty Cycling WSNs: A DTMC-Based Throughput Analysis. *Guntupalli, L.*, +, *LWC June 2018 480-483*

Novel Sensor Scheduling Scheme for Intruder Tracking in Energy Efficient Sensor Networks. *Diddigi, R.B., +, LWC Oct. 2018 712-715*

Optimal Epidemic Information Dissemination in Uncertain Dynamic Environment. *Tian*, D., +, *LWC Aug.* 2018 518-521

Optimal Sleeping Mechanism for Multiple Servers With MMPP-Based Bursty Traffic Arrival. *Jiang, Z., +, LWC June 2018 436-439*

Mathematical analysis

A Novel Joint PAPR Reduction Algorithm With Low Complexity Using LT Codes. Bi, D., +, LWC April 2018 166-169

Beam Steering for the Misalignment in UCA-Based OAM Communication Systems. Chen, R., +, LWC Aug. 2018 582-585

Mathematical programming

Secure Full-Duplex Two-Way Relaying for SWIPT. Okandeji, A.A., +, LWC June 2018 336-339

Matrix algebra

A Convex Approach to Blind MIMO Communications. Ahmed, A., LWC Oct. 2018 812-815

Resource-Selection Based Low Complexity Detector for Uplink SCMA Systems With Multiple Antennas. *Tian, L., +, LWC June 2018 316-319* Spatio-Temporal Compressive Sensing-Based Data Gathering in Wireless Sensor Networks. *Li, X., +, LWC April 2018 198-201*

Topological Interference Management Framework for Device-to-Device Communication. *Doumiati, S., +, LWC Aug. 2018 602-605*

Maximum likelihood decoding

A Hybrid Digital-Analog Chaotic Code. Yu, W., +, LWC Dec. 2018 930-933

Maximum likelihood detection

Bit-Level Reduced Neighborhood Search for Low-Complexity Detection in Large MIMO Systems. *Mann, P., +, LWC April 2018 146-149*

Detection of Load-Modulated Multiuser MIMO Signals. Bhat, S., +, LWC April 2018 266-269

Quadrature Dual Mode Index Modulation. *Bouhlel, A.*, +, *LWC Aug. 2018* 542-545

The BER Analysis of MRC-Aided Greedy Detection for OFDM-IM in Presence of Uncertain CSI. *Luong, T.V., +, LWC Aug. 2018 566-569*

Two-Layer LDPC Codes for Low Complexity ML Detection in GSM Systems. Jiang, X., +, LWC June 2018 408-411

Maximum likelihood estimation

Compressive Sensing-Based Multiuser Detection via Iterative Reweighed Approach in M2M Communications. *Zhang, X.*, +, *LWC Oct. 2018* 764-767

- Noise-Aided Demodulation With One-Bit Comparator for Multilevel Pulse-Amplitude-Modulated Signals. *Nakashima, Y.*, +, *LWC Oct. 2018* 848-851
- Resource-Selection Based Low Complexity Detector for Uplink SCMA Systems With Multiple Antennas. *Tian, L.*, +, *LWC June 2018 316-319*

Sparsity-Aware Ordered Successive Interference Cancellation for Massive Machine-Type Communications. Ahn, J., +, LWC Feb. 2018 134-137 Target Localization in NLOS Environments Using RSS and TOA Mea-

surements. Tomic, S., +, LWC Dec. 2018 1062-1065

Mean square error methods

CFO and Channel Estimation for Frequency Selective MIMO-FBMC/OQAM Systems. *Singh, P., +, LWC Oct. 2018 844-847*

Environment-Aware Drone-Base-Station Placements in Modern Metropolitans. *Bor-Yaliniz*, *I.*, +, *LWC June 2018 372-375*

The Golden Quantizer: The Complex Gaussian Random Variable Case. Larsson, P., +, LWC June 2018 312-315

Measurement

- Efficient Calculation of Meta Distributions and the Performance of User Percentiles. *Haenggi, M., LWC Dec. 2018 982-985*
- Improving Anti-Eavesdropping Ability Without Eavesdropper's CSI: A Practical Secure Transmission Design Perspective. *Zheng, T.*, +, *LWC Dec.* 2018 946-949

Meta Distribution of the Secrecy Rate in the Presence of Randomly Located Eavesdroppers. Tang, J., +, LWC Aug. 2018 630-633

Message passing

Deep Learning-Based Channel Estimation for Beamspace mmWave Massive MIMO Systems. *He, H., +, LWC Oct. 2018 852-855*

Improved Layered Message Passing Algorithms for Large-Scale Generalized Spatial Modulation Systems. Fan, S., +, LWC Feb. 2018 66-69

Low Complexity Message Passing Detection Algorithm for Large-Scale MIMO Systems. Zeng, J., +, LWC Oct. 2018 708-711

Low-Cost Implementation Techniques for Interleave Division Multiple Access. Hu, Y., +, LWC Dec. 2018 1026-1029

Partially Active Message Passing Receiver for MIMO-SCMA Systems. Dai, J., +, LWC April 2018 222-225

Meters

Suburban Residential Building Penetration Loss at 28 GHz for Fixed Wireless Access. Du, J., +, LWC Dec. 2018 890-893

Microcell networks

Delay Analysis of Random Scheduling and Round Robin in Small Cell Networks. Yang, H.H., +, LWC Dec. 2018 978-981

Optimal Content Sharing Mode Selection for Social-Aware D2D Communications. *Wu*, *D.*, +, *LWC Dec. 2018 910-913*

Microwave radiometry

Power-Based Broadband RF Interference Detector for Wireless Communication Systems. Getu, T.M., +, LWC Dec. 2018 1002-1005

Millimeter wave antenna arrays

Channel Feedback Codebook Design for Millimeter-Wave Massive MIMO Systems Relying on Lens Antenna Array. *Shen, W., +, LWC Oct. 2018* 736-739

Millimeter wave communication

- A Hybrid Tomlinson–Harashima Transceiver Design for Multiuser mmWave MIMO Systems. Chang, T., +, LWC Feb. 2018 118-121
- Channel Feedback Codebook Design for Millimeter-Wave Massive MIMO Systems Relying on Lens Antenna Array. *Shen, W.*, +, *LWC Oct. 2018* 736-739
- Deep Learning-Based Channel Estimation for Beamspace mmWave Massive MIMO Systems. *He, H., +, LWC Oct. 2018 852-855*

Hybrid Precoding for Multi-Subarray Millimeter-Wave Communication Systems. Zhang, J., +, LWC June 2018 440-443

- Mobile Assisted Directional Paging (MADP) in Emerging 5G Wireless Networks. Agiwal, M., +, LWC June 2018 416-419
- Outage Analysis of Multirelay Multiuser Hybrid Satellite-Terrestrial Millimeter-Wave Networks. *Liang, X.*, +, *LWC Dec. 2018 1046-1049*

Rate and Outage Probability in Dual Band Systems With Prediction-Based Band Switching. *Burghal*, *D.*, +, *LWC Oct.* 2018 872-875

Millimeter wave technology

Over-Sampling Codebook-Based Hybrid Minimum Sum-Mean-Square-Error Precoding for Millimeter-Wave 3D-MIMO. *Mao*, *J.*, +, *LWC Dec*. 2018 938-941

MIMO communication

A Convex Approach to Blind MIMO Communications. Ahmed, A., LWC Oct. 2018 812-815

A Hybrid Tomlinson–Harashima Transceiver Design for Multiuser mmWave MIMO Systems. *Chang, T.*, +, *LWC Feb. 2018 118-121*

A Novel Pilot Assignment Scheme in Massive MIMO Networks. Ma, S., +, LWC April 2018 262-265

A Space-Time Transmission Scheme for Large MIMO Systems. M. K., A., LWC Feb. 2018 62-65

Achievable Rates and Training Overheads for a Measured LOS Massive MIMO Channel. *Harris, P., +, LWC Aug. 2018 594-597*

Analysis of Multi-Antenna Small Cell Networks Modeled by Gauss– Poisson Process. Peng, X., +, LWC Oct. 2018 704-707

Approximate BER Analysis for MAC Systems. *Alves, D.I., +, LWC Feb.* 2018 10-13

Automatic Modulation Classification for D-STBC Cooperative Relaying Networks. *Tayakout*, H., +, LWC Oct. 2018 780-783

- Bit-Level Reduced Neighborhood Search for Low-Complexity Detection in Large MIMO Systems. *Mann, P.*, +, *LWC April 2018 146-149*
- CFO and Channel Estimation for Frequency Selective MIMO-FBMC/OQAM Systems. Singh, P., +, LWC Oct. 2018 844-847
- Channel Diagonalization for Cloud Radio Access. Liu, L., +, LWC Aug. 2018 622-625
- Channel Feedback Codebook Design for Millimeter-Wave Massive MIMO Systems Relying on Lens Antenna Array. *Shen, W.*, +, *LWC Oct. 2018* 736-739
- Correction Factor for Analysis of MIMO Wireless Networks With Highly
- Directional Beamforming. Kulkarni, M.N., +, LWC Oct. 2018 756-759 Deep Learning for Massive MIMO CSI Feedback. Wen, C., +, LWC Oct. 2018 748-751
- Deep Learning-Based Channel Estimation for Beamspace mmWave Massive MIMO Systems. *He, H., +, LWC Oct. 2018 852-855*
- Detection of Load-Modulated Multiuser MIMO Signals. Bhat, S., +, LWC April 2018 266-269
- Differential 16-QAM and 16-APSK for Uplink Massive MIMO Systems. Wei, R., +, LWC April 2018 170-173
- Distributed Beamforming in Dynamic TDD MIMO Networks With BS to BS Interference Constraints. *de Olivindo Cavalcante, E.*, +, *LWC Oct.* 2018 788-791
- Distributing Complexity: A New Approach to Antenna Selection for Distributed Massive MIMO. Siljak, H., +, LWC Dec. 2018 902-905
- Diversity Order Results for MIMO Optical Wireless Communications. Sapenov, Y., +, LWC Feb. 2018 74-77
- Estimation of MIMO Transmit-Antenna Number Using Higher-Order Moments-Based Hypothesis Testing. Li, T., +, LWC April 2018 258-261
- Extending the ITU-R P.530 Deep-Fading Outage Probability Results to SIMO-MRC and MIMO-MRC Line-of-Sight Systems. *Gagnon, F., +, LWC Dec. 2018 1086-1089*
- Extrinsic Information Analysis of a New Iterative Method Using the Stair Matrix for Massive MIMO Uplink Signal Detection. *Jiang, F., +, LWC Dec.* 2018 1022-1025
- Fast Converging Weighted Neumann Series Precoding for Massive MIMO Systems. Nagy, B., +, LWC April 2018 154-157
- Generalized Multistream Spatial Modulation With Signal Constellations Based on Hurwitz Integers and Low-Complexity Detection. *Freudenberger, J.*, +, *LWC June 2018 412-415*
- How Accurate is Your Gaussian/Gamma Approximation?. Smith, P.J., +, LWC Oct. 2018 804-807
- How Many Signals Can Be Sent in a Multi-Cell Massive MIMO System. Wang, H., +, LWC June 2018 368-371
- Impact of Measurement Noise on Millimeter Wave Beam Alignment Using Beam Subsets. Va, V., +, LWC Oct. 2018 784-787
- Imperfect CSI Based Multi-Way Satellite Relaying. M. K., A., LWC Oct. 2018 864-867
- Improved Layered Message Passing Algorithms for Large-Scale Generalized Spatial Modulation Systems. Fan, S., +, LWC Feb. 2018 66-69
- Interference-Free Criterion for Interference-Unaware Receive Transform in MIMO Co-Channel Interference. Wang, J.T., LWC April 2018 210-213
- Jamming Detection in Massive MIMO Systems. Akhlaghpasand, H., +, LWC April 2018 242-245
- Joint Optimization of Beamforming and Base Station Clustering Based on Leakage Rate. Li, Y, +, LWC June 2018 432-435
- Joint Transmit Beamforming and Antenna Selection in MIMO Systems. Zhao, M., +, LWC Oct. 2018 716-719
- Jointly Optimal Spatial Channel Assignment and Power Allocation for MIMO SWIPT Systems. *Mishra*, D., +, LWC April 2018 214-217
- Low Complexity Message Passing Detection Algorithm for Large-Scale MIMO Systems. Zeng, J., +, LWC Oct. 2018 708-711
- Low-Dimensionality of Noise-Free RSS and Its Application in Distributed Massive MIMO. *Surya Vara Prasad, K.N.R.*, +, *LWC Aug. 2018 486-489* Massive BLAST: An Architecture for Realizing Ultra-High Data Rates
- for Large-Scale MIMO. *Shental, O.*, +, *LWC June 2018 404-407* Massive MIMO Downlink Goodput Analysis With Soft Pilot or Frequency
- Reuse. Li, Y., +, LWC June 2018 448-451
- Multi-Envelope Precoding for Massive MIMO Systems. Gumus, M., +, LWC Oct. 2018 720-723
- Multiple Symbol Differential Detection for Noncoherent Communications With Large-Scale Antenna Arrays. *Wang, Y.*, +, *LWC April 2018 190-193* NOMA-Aided Cell-Free Massive MIMO Systems. *Li, Y.*, +, *LWC Dec.* 2018 950-953
- Novel 3-D Irregular-Shaped Geometry-Based Channel Modeling for Semi-Ellipsoid Vehicle-to-Vehicle Scattering Environments. *Jiang, H.*, +, *LWC Oct.* 2018 836-839

- One Symbol Blind Synchronization in SIMO Molecular Communication Systems. *Luo, Z., +, LWC Aug. 2018 530-533*
- Optimal Full-Rank Signaling Over MIMO Wiretap Channels Under Interference Constraint. Loyka, S., +, LWC Aug. 2018 534-537
- Outage Information Rate of Doubly Correlated Multi-Cluster Scattering MIMO Channels. *Taricco, G.*, +, *LWC Dec. 2018 1042-1045*
- Over-Sampling Codebook-Based Hybrid Minimum Sum-Mean-Square-Error Precoding for Millimeter-Wave 3D-MIMO. *Mao*, *J.*, +, *LWC Dec*. 2018 938-941
- Partially Active Message Passing Receiver for MIMO-SCMA Systems. Dai, J., +, LWC April 2018 222-225
- Rate-Based Cell Range Expansion for Downlink Massive MIMO Heterogeneous Networks. *Hattab, G.*, +, *LWC June 2018 296-299*
- Relationship Between Cross-Polarization Discrimination (XPD) and Spatial Correlation in Indoor Small-Cell MIMO Systems. *Lim, Y.*, +, *LWC Aug. 2018 654-657*
- Retrodirective Multi-User Wireless Power Transfer With Massive MIMO. *Lee, S.*, +, *LWC Feb. 2018 54-57*
- Secrecy-Oriented Antenna Assignment Optimization at Full-Duplex Receiver With Self-Interference. *Guo*, *T.*, +, *LWC Aug*. 2018 562-565
- Secure Beamforming Designs for Secrecy MIMO SWIPT Systems. Zhu, Z., +, LWC June 2018 424-427
- Secure Full-Duplex Two-Way Relaying for SWIPT. Okandeji, A.A., +, LWC June 2018 336-339
- Secure Transmission for MISOME Wiretap Channels With Finite Alphabet Inputs. Cao, K., +, LWC Aug. 2018 570-573
- Space-Shift-Keying-Based Wireless-Powered Communications. Badarneh, O.S., LWC Aug. 2018 670-673
- Spectral Efficiency of Multipair Massive MIMO Two-Way Relaying With Hardware Impairments. Zhang, J., +, LWC Feb. 2018 14-17
- Spectral- and Energy-Efficiency of Massive MIMO Two-Way Half-Duplex Hybrid Processing AF Relay. *Sharma, E., +, LWC Oct. 2018 876-879*
- Spectrum Efficient Resource Management for Multi-Carrier-Based NOMA Networks: A Graph-Based Method. Zhai, D., +, LWC June 2018 388-391
- Thresholds Optimization for One-Bit Feedback Multi-User Scheduling. Hafez, M., +, LWC Aug. 2018 646-649
- Transceiver Design for MIMO Full-Duplex Two-Way Relay Network. Ayir, N., +, LWC Oct. 2018 772-775
- Transmit Antenna Selection in MIMO Wiretap Channels: A Machine Learning Approach. He, D., +, LWC Aug. 2018 634-637
- When is the Achievable Rate Region Convex in Two-User Massive MIMO Systems?. Chen, Z., +, LWC Oct. 2018 796-799
- Minimization
 - Device Caching for Network Offloading: Delay Minimization With Presence of User Mobility. *Deng, T., +, LWC Aug. 2018 558-561*
 - Energy Minimization for Cache-Assisted Content Delivery Networks With Wireless Backhaul. Vu, T.X., +, LWC June 2018 332-335
 - Low-Complexity Compressive Spectrum Sensing for Large-Scale Real-Time Processing. Zhang, X., +, LWC Aug. 2018 674-677
 - Low-Rate PBRL-LDPC Codes for URLLC in 5G. Wu, X., +, LWC Oct. 2018 800-803
- Mobile ad hoc networks
 - Secrecy Rate of Analog Collaborative Beamforming With Virtual Antenna Array Following Spatial Random Distributions. *Jung, H.*, +, *LWC Aug.* 2018 626-629
- Mobile communication
 - Analysis of the Dependency of Call Duration on the Quality of VoIP Calls. Holub, J., +, LWC Aug. 2018 638-641
 - Distributed Cooperative Localization for Mobile Wireless Sensor Networks. Salari, S., +, LWC Feb. 2018 18-21
 - Modularity-Based Dynamic Clustering for Energy Efficient UAVs-Aided Communications. Yu, J., +, LWC Oct. 2018 728-731
- Mobile computing
 - Computation Offloading and Activation of Mobile Edge Computing Servers: A Minority Game. *Ranadheera*, S., +, *LWC Oct.* 2018 688-691 Delay-Optimal Proactive Service Framework for Block-Stream as a Service. *Zhang*, D., +, *LWC Aug.* 2018 598-601
 - Information Prediction and Dynamic Programming-Based RAN Slicing for Mobile Edge Computing. *Zhao, P., +, LWC Aug. 2018 614-617*
 - Minimizing Latency to Support VR Social Interactions Over Wireless Cellular Systems via Bandwidth Allocation. *Park, J.*, +, *LWC Oct. 2018* 776-779
- Price-Based Distributed Offloading for Mobile-Edge Computing With Computation Capacity Constraints. *Liu, M.*, +, *LWC June 2018 420-423* Mobile nodes
- Connectivity Information-Aided Belief Propagation for Cooperative Localization. Kim, H., +, LWC Dec. 2018 1010-1013

Mobile radio

- A Game-Theoretic Approach for Optimal Distributed Cooperative Hybrid Caching in D2D Networks. *Zhang, Y., +, LWC June 2018 324-327*
- Measurement and Configuration of DSRC Radios for Vehicle-to-Train (V2T) Safety-Critical Communications. *Choi, J.*, +, *LWC June 2018* 428-431

Mobile robots

Unmanned Aerial Vehicle-Aided Communications: Joint Transmit Power and Trajectory Optimization. *Wang, H., +, LWC Aug. 2018 522-525*

Mobile satellite communication

Estimation of Rician K-Factor in the Presence of Nakagami-*m* Shadowing for the LoS Component. *Giunta, G., +, LWC Aug. 2018 550-553*

- Mobility management (mobile radio)
 - Device Caching for Network Offloading: Delay Minimization With Presence of User Mobility. *Deng, T., +, LWC Aug. 2018 558-561*

Distributed Cooperative Localization for Mobile Wireless Sensor Networks. Salari, S., +, LWC Feb. 2018 18-21

- Energy-Efficient Data Collection in UAV Enabled Wireless Sensor Network. Zhan, C., +, LWC June 2018 328-331
- From Cellular Decision Making to Adaptive Handoff in Heterogeneous Wireless Networks. *Tian, D., +, LWC Feb. 2018 2-5*

Modulation

- Automatic Modulation Classification for D-STBC Cooperative Relaying Networks. *Tayakout, H., +, LWC Oct. 2018 780-783*
- Data Driven Automatic Modulation Classification via Dictionary Learning. Zhang, K., +, LWC Aug. 2018 586-589
- Detection of Load-Modulated Multiuser MIMO Signals. Bhat, S., +, LWC April 2018 266-269
- Dual Carrier Modulation in Channel Aggregation for 60 GHz WLAN Systems. Wu, T., +, LWC Oct. 2018 792-795
- Generalized Multistream Spatial Modulation With Signal Constellations Based on Hurwitz Integers and Low-Complexity Detection. *Freudenberger, J.*, +, *LWC June 2018 412-415*
- Improved Layered Message Passing Algorithms for Large-Scale Generalized Spatial Modulation Systems. Fan, S., +, LWC Feb. 2018 66-69
- Low-Cost Implementation Techniques for Interleave Division Multiple Access. Hu, Y., +, LWC Dec. 2018 1026-1029
- OFDM With Subcarrier Number Modulation. Jaradat, A.M., +, LWC Dec. 2018 914-917
- Optimal Sleeping Mechanism for Multiple Servers With MMPP-Based Bursty Traffic Arrival. Jiang, Z., +, LWC June 2018 436-439
- Space-Shift-Keying-Based Wireless-Powered Communications. *Badarneh*, O.S., LWC Aug. 2018 670-673
- Two-Layer LDPC Codes for Low Complexity ML Detection in GSM Systems. Jiang, X., +, LWC June 2018 408-411

Modulation coding

Automatic Modulation Recognition for Phase Shift Keying Signals With Compressive Measurements. Xie, L, +, LWC April 2018 194-197

Raptor Codes for Higher-Order Modulation Using a Multi-Edge Framework. Jayasooriya, S., +, LWC Feb. 2018 110-113

Molecular communication (telecommunication)

Performance Analysis of Reversible Binding Receptor Based Decode-and-Forward Relay in Molecular Communication Systems. *Yuan, S.*, +, *LWC Oct.* 2018 880-883

Monitoring

Analysis of the Dependency of Call Duration on the Quality of VoIP Calls. Holub, J., +, LWC Aug. 2018 638-641

Monte Carlo methods

Accurate Closed-Form Approximations for the Sum of Correlated Weibull Random Variables. *El Bouanani, F., +, LWC Aug. 2018 498-501*

- Performance of SWIPT-Based Differential AF Relaying Over Nakagami-m Fading Channels With Direct Link. *Lou*, Y., +, *LWC Feb. 2018 106-109* Physical Layer Security in Visible Light Communication Systems With Randomly Located Colluding Eavesdroppers. *Cho*, S., +, *LWC Oct. 2018* 768-771
- Two-Way Full-Duplex Spatial Modulation Systems With Wireless Powered AF Relaying. Koc, A., +, LWC June 2018 444-447

Multi-access systems

- A Hybrid Tomlinson–Harashima Transceiver Design for Multiuser mmWave MIMO Systems. *Chang, T., +, LWC Feb. 2018 118-121*
- A Novel Price-Based Power Allocation Algorithm in Non-Orthogonal Multiple Access Networks. *Wang*, Z., +, *LWC April 2018 230-233*
- A Novel Spectrum Sharing Scheme Assisted by Secondary NOMA Relay. Chen, B., +, LWC Oct. 2018 732-735
- Amplify-and-Forward Virtual Full-Duplex Relaying-Based Cooperative NOMA. *Liau*, Q.Y., +, LWC June 2018 464-467

Approximate BER Analysis for MAC Systems. *Alves, D.I., +, LWC Feb.* 2018 10-13

- Capacity Scaling for D2D Aided Cooperative Relaying Systems Using NOMA. Kim, J., +, LWC Feb. 2018 42-45
- Coordinated Direct and Relay Transmission Using Uplink NOMA. Kader, M.F., +, LWC June 2018 400-403
- Design of LDPC Codes for the Unequal Power Two-User Gaussian Multiple Access Channel. *Balatsoukas-Stimming, A.*, +, *LWC Oct. 2018* 868-871
- Low Complexity User Selection With Optimal Power Allocation in Downlink NOMA. Nain, G., +, LWC April 2018 158-161
- Multi-User Detection Using ADMM-Based Compressive Sensing for Uplink Grant-Free NOMA. Cirik, A.C., +, LWC Feb. 2018 46-49
- NOMA Systems With Content-Centric Multicast Transmission for C-RAN. Lee, S., +, LWC Oct. 2018 828-831
- On the Coexistence Between Full-Duplex and NOMA. Ding, Z., +, LWC Oct. 2018 692-695
- Optimal Design of Resource Element Mapping for Sparse Spreading Non-Orthogonal Multiple Access. Yu, H., +, LWC Oct. 2018 744-747
- Optimal Power Control for NOMA Wireless Networks With Relays. *Gau*, *R.*, +, *LWC Feb*. 2018 22-25
- Optimal User Grouping for Downlink NOMA. Kang, J., +, LWC Oct. 2018 724-727
- Outage Analysis for Downlink NOMA With Statistical Channel State Information. Wang, X., +, LWC April 2018 142-145
- Partially Active Message Passing Receiver for MIMO-SCMA Systems. Dai, J., +, LWC April 2018 222-225
- Performance Enhancement of Downlink NOMA by Combination With GSSK. Kim, J.W., +, LWC Oct. 2018 860-863
- Resource Allocation for D2D Communications Underlaying a NOMA-Based Cellular Network. *Pan, Y.*, +, *LWC Feb. 2018 130-133*
- Resource-Selection Based Low Complexity Detector for Uplink SCMA Systems With Multiple Antennas. *Tian, L., +, LWC June 2018 316-319* Retrodirective Large Antenna Energy Beamforming in Backscatter Multi-User Networks. *Krikidis, I., LWC Aug. 2018 678-681*

Spectrum Efficient Resource Management for Multi-Carrier-Based NOMA Networks: A Graph-Based Method. Zhai, D., +, LWC June 2018 388-391

Multicast communication

- Energy- and Spectral-Efficiency Trade-Off for D2D-Multicasts in Underlay Cellular Networks. *Bhardwaj*, A., +, *LWC Aug*. 2018 546-549
- Fitness-Aware Coded Multicasting for Decentralized Caching With Finite File Packetization. Zhang, N., +, LWC Oct. 2018 740-743
- How to Reduce Unexpected eMBMS Session Disconnection: Design and Performance Analysis. Chan, T., +, LWC Feb. 2018 126-129
- NOMA Systems With Content-Centric Multicast Transmission for C-RAN. Lee, S., +, LWC Oct. 2018 828-831

Multimedia communication

- How to Reduce Unexpected eMBMS Session Disconnection: Design and Performance Analysis. Chan, T., +, LWC Feb. 2018 126-129
- Multipath channels

Estimation of Rician K-Factor in the Presence of Nakagami-*m* Shadowing for the LoS Component. *Giunta, G., +, LWC Aug. 2018 550-553*

Multiplexing

Approximate BER Analysis for MAC Systems. Alves, D.I., +, LWC Feb. 2018 10-13

Spectrum Efficient Time-Domain Multiplexing With Linear Prolate Functions. Valente, D., +, LWC Aug. 2018 666-669

X-Duplex Radios: Flexible Switching Between Full-Duplex and Half-Duplex. Yao, C., +, LWC Feb. 2018 94-97

Multiuser channels

Detection of Load-Modulated Multiuser MIMO Signals. Bhat, S., +, LWC April 2018 266-269

Thresholds Optimization for One-Bit Feedback Multi-User Scheduling. Hafez, M., +, LWC Aug. 2018 646-649

Multiuser detection

- Compressive Sensing-Based Multiuser Detection via Iterative Reweighed Approach in M2M Communications. *Zhang, X.*, +, *LWC Oct. 2018* 764-767
- Detection of Load-Modulated Multiuser MIMO Signals. Bhat, S., +, LWC April 2018 266-269
- Iterative Detection and Decoding for Large-Scale Multiple-Antenna Systems With 1-Bit ADCs. Shao, Z., +, LWC June 2018 476-479
- Joint Channel Estimation and Multiuser Detection for Uplink Grant-Free NOMA. Du, Y., +, LWC Aug. 2018 682-685
- Multi-User Detection Using ADMM-Based Compressive Sensing for Uplink Grant-Free NOMA. Cirik, A.C., +, LWC Feb. 2018 46-49

Multiple Symbol Differential Detection for Noncoherent Communications With Large-Scale Antenna Arrays. *Wang, Y., +, LWC April 2018 190-193* Partially Active Message Passing Receiver for MIMO-SCMA Systems. *Dai, J., +, LWC April 2018 222-225*

Sparsity-Aware Ordered Successive Interference Cancellation for Massive Machine-Type Communications. Ahn, J., +, LWC Feb. 2018 134-137

Mutual information

Extrinsic Information Analysis of a New Iterative Method Using the Stair Matrix for Massive MIMO Uplink Signal Detection. *Jiang, F.*, +, *LWC Dec.* 2018 1022-1025

Outage Information Rate of Doubly Correlated Multi-Cluster Scattering MIMO Channels. *Taricco, G.*, +, *LWC Dec. 2018 1042-1045*

SNR-Aware Power Allocation Scheme for Lossy-Forward Relaying Systems. Santos Filho, J.C.S., +, LWC Dec. 2018 1018-1021

Ν

Nakagami channels

Energy Detection in Full-Duplex Systems With Residual RF Impairments Over Fading Channels. *Boulogeorgos, A.A., +, LWC April 2018 246-249* Estimation of Rician K-Factor in the Presence of Nakagami-*m* Shadowing for the LoS Component. *Giunta, G., +, LWC Aug. 2018 550-553*

Impact of Relay's Eavesdropping on Untrusted Amplify-and-Forward Networks Over Nakagami-m Fading. *Ding, F., +, LWC Feb. 2018 102-105* Outage Analysis for Downlink NOMA With Statistical Channel State

Information. *Wang, X., +, LWC April 2018 142-145* Performance of SWIPT-Based Differential AF Relaying Over Nakagami-m Fading Channels With Direct Link. *Lou, Y., +, LWC Feb. 2018 106-109*

Narrowband

Temporal Autocorrelation of Small-Scale Fading Using Leaky Coaxial Cable in Confined Space. *Pan, Y., +, LWC Dec. 2018 1082-1085*

Network coding

Cooperative Transmission in Small Cell Networks Using Network Coding. Zhan, C., +, LWC Aug. 2018 510-513

- Flooding With Network Coding Under a Schedule-Based Spanning Tree in Low-Duty-Cycle Wireless Sensor Networks. *Yan, F., +, LWC April* 2018 270-273
- Network Coding for Physical Layer Secrecy. Etemadi Tajbakhsh, S., +, LWC Aug. 2018 642-645
- Pseudo-Systematic Decoding of Hybrid Instantly Decodable Network Code for Wireless Broadcasting. *Wang, J.*, +, *LWC Oct. 2018 840-843* Two-Way Full-Duplex Spatial Modulation Systems With Wireless Powered AF Relaying. *Koc, A.*, +, *LWC June 2018 444-447*

Network security

Centralized Trust-Based Secure Routing in Wireless Networks. Yun, J., +, LWC Dec. 2018 1066-1069

Filter Hopping Based Faster-Than-Nyquist Signaling for Physical Layer Security. Wang, J., +, LWC Dec. 2018 894-897

Secrecy Capacity Analysis of AN-Aided FDA Communication Over Nakagami-*m* Fading. *Ji*, *S.*, +, *LWC Dec. 2018 1034-1037*

Network servers

Optimal Sleeping Mechanism for Multiple Servers With MMPP-Based Bursty Traffic Arrival. *Jiang, Z., +, LWC June 2018 436-439*

Network slicing

Slicing the Edge: Resource Allocation for RAN Network Slicing. Vo. P.L., +, LWC Dec. 2018 970-973

Neural networks

Deep Learning-Based Channel Estimation for Beamspace mmWave Massive MIMO Systems. *He, H., +, LWC Oct. 2018 852-855*

Deep Neural Networks for Linear Sum Assignment Problems. Lee, M., +, LWC Dec. 2018 962-965

Next generation networks

Computation Offloading and Activation of Mobile Edge Computing Servers: A Minority Game. *Ranadheera, S.*, +, *LWC Oct. 2018 688-691* Noise measurement

OFDM With Subcarrier Number Modulation. Jaradat, A.M., +, LWC Dec. 2018 914-917

Target Localization in NLOS Environments Using RSS and TOA Measurements. *Tomic*, S., +, *LWC Dec.* 2018 1062-1065

NOMA

- Compute-and-Forward for Uplink Non-Orthogonal Multiple Access. Guo, C., +, LWC Dec. 2018 986-989
- Joint Admission Control and Resource Allocation for Multi-Carrier Uplink NOMA Networks. *Zhai*, D., +, *LWC Dec*. 2018 922-925
- NOMA-Aided Cell-Free Massive MIMO Systems. Li, Y., +, LWC Dec. 2018 950-953
- Outage Performance of NOMA-Based Hybrid Satellite-Terrestrial Relay Networks. Yan, X., +, LWC Aug. 2018 538-541

Power Allocation and User Clustering for Uplink MC-NOMA in D2D Underlaid Cellular Networks. *Zheng, H., +, LWC Dec. 2018 1030-1033* Resource Allocation in NOMA Virtualized Wireless Networks Under Statistical Delay Constraints. *Sinaie, M., +, LWC Dec. 2018 954-957*

Robust Transmission in Non-Orthogonal Multiple Access AF Relay Networks. Zhao, S., +, LWC Dec. 2018 1078-1081

Nonlinear programming

Hybrid Precoding for Multi-Subarray Millimeter-Wave Communication Systems. Zhang, J., +, LWC June 2018 440-443

Normal distribution

Estimation of MIMO Transmit-Antenna Number Using Higher-Order Moments-Based Hypothesis Testing. *Li*, *T*., +, *LWC April 2018 258-261* **Numerical analysis**

- Mobile Assisted Directional Paging (MADP) in Emerging 5G Wireless Networks. Agiwal, M., +, LWC June 2018 416-419
- Physical Layer Security in Visible Light Communication Systems With Randomly Located Colluding Eavesdroppers. Cho, S., +, LWC Oct. 2018 768-771

0

OFDM modulation

- A Novel Joint PAPR Reduction Algorithm With Low Complexity Using LT Codes. Bi, D., +, LWC April 2018 166-169
- Achievable Rates and Training Overheads for a Measured LOS Massive MIMO Channel. Harris, P., +, LWC Aug. 2018 594-597
- Active Cancellation of Self-Interference for Full-Duplex Amplify and Forward Wi-Fi Relay. Shaboyan, S., +, LWC Dec. 2018 1050-1053
- Adaptive Windowing for ICI Mitigation in Vehicular Communications. Vlachos, E., +, LWC Dec. 2018 974-977
- CFO and Channel Estimation for Frequency Selective MIMO-FBMC/OQAM Systems. *Singh, P., +, LWC Oct. 2018 844-847*
- Channel Access Method Classification for Cognitive Radio Applications. Laghate, M., +, LWC Feb. 2018 70-73
- Exploiting Signal Space Diversity in OFDM With Grouped Subcarriers: Going Beyond Subcarrier Index Modulation. *Inacio, J.C.*, +, *LWC Aug.* 2018 650-653
- FISTA-Based PAPR Reduction Method for Tone Reservation's OFDM System. Wang, Y., +, LWC June 2018 300-303
- Low Complexity Modem Structure for OFDM-Based Orthogonal Time Frequency Space Modulation. Farhang, A., +, LWC June 2018 344-347
- Low Complexity User Selection With Optimal Power Allocation in Downlink NOMA. Nain, G., +, LWC April 2018 158-161
- Low-Complexity LLR Calculation for OFDM With Index Modulation. Hu, Z, +, LWC Aug. 2018 618-621
- On the Sensitivity of Zero-Tail DFT-Spread-OFDM to Small Bandwidth Allocations. Berardinelli, G., LWC June 2018 452-455
- OFDM With Subcarrier Number Modulation. Jaradat, A.M., +, LWC Dec. 2018 914-917
- Outage Performance of Two-Hop OFDM With Index Modulation and Multi-Carrier Relay Selections. *Dang, S., +, LWC Dec. 2018 926-929*
- Power Allocation and User Clustering for Uplink MC-NOMA in D2D Underlaid Cellular Networks. *Zheng, H., +, LWC Dec. 2018 1030-1033*
- Power and Interference Regulated Water-Filling for Multi-Tier Multi-Carrier Interference Aware Uplink. *Yuksekkaya, B.*, +, *LWC Aug. 2018* 494-497
- Power of Deep Learning for Channel Estimation and Signal Detection in OFDM Systems. Ye, H., +, LWC Feb. 2018 114-117
- Quadrature Dual Mode Index Modulation. *Bouhlel, A.*, +, *LWC Aug. 2018* 542-545
- Secrecy Capacity Analysis of AN-Aided FDA Communication Over Nakagami-*m* Fading. Ji, S., +, LWC Dec. 2018 1034-1037
- Soft-Information Aided Channel Estimation With IQ Imbalance for Alternate-Relaying OFDM Cooperative Systems. *Marey, M., LWC June* 2018 308-311

Spectrum Efficient Time-Domain Multiplexing With Linear Prolate Functions. Valente, D., +, LWC Aug. 2018 666-669

TCM for OFDM-IM. Choi, J., +, LWC Feb. 2018 50-53

The BER Analysis of MRC-Aided Greedy Detection for OFDM-IM in Presence of Uncertain CSI. *Luong, T.V.*, +, *LWC Aug. 2018 566-569* Time Spread-Windowed OFDM for Spectral Efficiency Improvement.

Kim, H., +, LWC Oct. 2018 696-699

Omnidirectional antennas

Measurement and Configuration of DSRC Radios for Vehicle-to-Train (V2T) Safety-Critical Communications. *Choi, J.*, +, *LWC June 2018* 428-431

Optical links

Wireless Energy and Information Transmission in FSO and RF-FSO Links. Makki, B., +, LWC Feb. 2018 90-93

Optimization

- 3-D Placement of an Unmanned Aerial Vehicle Base Station for Maximum Coverage of Users With Different QoS Requirements. *Alzenad, M.*, +, *LWC Feb. 2018 38-41*
- A Uniform-Forcing Transceiver Design for Over-the-Air Function Computation. Chen, L., +, LWC Dec. 2018 942-945
- An Algorithm of Efficient Proactive Placement of Autonomous Drones for Maximum Coverage in Cellular Networks. *Huang, H., +, LWC Dec.* 2018 994-997
- Area Spectral Efficiency Analysis of Multi-Antenna Networks Modeled by Ginibre Point Process. Chen, G., +, LWC Feb. 2018 6-9
- Bit-Level Reduced Neighborhood Search for Low-Complexity Detection in Large MIMO Systems. *Mann, P.*, +, *LWC April 2018 146-149*
- Deep Neural Networks for Linear Sum Assignment Problems. Lee, M., +, LWC Dec. 2018 962-965
- Delay-Optimal Proactive Service Framework for Block-Stream as a Service. Zhang, D., +, LWC Aug. 2018 598-601
- Distributed Beamforming in Dynamic TDD MIMO Networks With BS to BS Interference Constraints. *de Olivindo Cavalcante, E., +, LWC Oct.* 2018 788-791
- Distributing Complexity: A New Approach to Antenna Selection for Distributed Massive MIMO. *Siljak, H., +, LWC Dec. 2018 902-905*
- Energy- and Spectral-Efficiency Trade-Off for D2D-Multicasts in Underlay Cellular Networks. *Bhardwaj, A.*, +, *LWC Aug. 2018 546-549*
- Energy-Efficient Relay Assignment and Power Control in Multi-User and Multi-Relay Networks. Zappone, A., +, LWC Dec. 2018 1070-1073
- Environment-Aware Drone-Base-Station Placements in Modern Metropolitans. *Bor-Yaliniz, I., +, LWC June 2018 372-375*
- Fractional Sparse Code Multiple Access and Its Optimization. Wang, Y., +, LWC Dec. 2018 990-993
- Graph-Based Path Selection and Power Allocation for DF Relay-Aided Transmission. Lu, L., +, LWC Feb. 2018 138-141
- Joint Channel Resources Allocation and Beamforming in Energy Harvesting Systems. Le, T., +, LWC Oct. 2018 884-887
- Joint Optimization of Beamforming and Base Station Clustering Based on Leakage Rate. Li, Y, +, LWC June 2018 432-435
- Joint Transmit Beamforming and Antenna Selection in MIMO Systems. Zhao, M., +, LWC Oct. 2018 716-719
- Learning Oriented Cross-Entropy Approach to User Association in Load-Balanced HetNet. *Huang, X., +, LWC Dec. 2018 1014-1017*
- Low Complexity User Selection With Optimal Power Allocation in Downlink NOMA. Nain, G., +, LWC April 2018 158-161
- Multi-User Detection Using ADMM-Based Compressive Sensing for Uplink Grant-Free NOMA. Cirik, A.C., +, LWC Feb. 2018 46-49
- Optimal Content Sharing Mode Selection for Social-Aware D2D Communications. *Wu*, *D.*, +, *LWC Dec. 2018 910-913*
- Optimal Resource Allocation for Non-Orthogonal Transmission in UAV Relay Systems. Baek, J., +, LWC June 2018 356-359
- Optimal User Grouping for Downlink NOMA. Kang, J., +, LWC Oct. 2018 724-727
- Outage Analysis for Downlink NOMA With Statistical Channel State Information. Wang, X., +, LWC April 2018 142-145
- Resource Allocation in NOMA Virtualized Wireless Networks Under Statistical Delay Constraints. *Sinaie, M., +, LWC Dec. 2018 954-957*
- Robust Transmission in Non-Orthogonal Multiple Access AF Relay Networks. *Zhao, S., +, LWC Dec. 2018 1078-1081*
- Secure Transmission for MISOME Wiretap Channels With Finite Alphabet Inputs. Cao, K., +, LWC Aug. 2018 570-573
- Spectrum Efficient Resource Management for Multi-Carrier-Based NOMA Networks: A Graph-Based Method. *Zhai, D., +, LWC June 2018 388-391* Thresholds Optimization for One-Bit Feedback Multi-User Scheduling. *Hafez, M., +, LWC Aug. 2018 646-649*

Variable-Rate Variable-Power MQAM for Spectral Efficiency Maximization in Full-Duplex Systems. *Gao*, Q., +, *LWC June 2018 288-291* X-Duplex Radios: Flexible Switching Between Full-Duplex and Half-Duplex. *Yao*, C., +, *LWC Feb. 2018 94-97*

Oscillators

Phase Noise in Full-Duplex Radios Using Off-the-Shelf Oscillators. Zhang, C., +, LWC April 2018 206-209

Р

- Packet loss
 - Analysis of the Dependency of Call Duration on the Quality of VoIP Calls. Holub, J., +, LWC Aug. 2018 638-641
 - LoRa Transceiver With Improved Characteristics. Jovalekic, N., +, LWC Dec. 2018 1058-1061

Pareto optimization

Jointly Optimal Spatial Channel Assignment and Power Allocation for MIMO SWIPT Systems. *Mishra, D., +, LWC April 2018 214-217*

Parity check codes

- Design of LDPC Codes for the Unequal Power Two-User Gaussian Multiple Access Channel. *Balatsoukas-Stimming, A.*, +, *LWC Oct. 2018* 868-871
- Iterative Detection and Decoding for Large-Scale Multiple-Antenna Systems With 1-Bit ADCs. *Shao*, Z., +, *LWC June 2018 476-479*
- Low-Cost Implementation Techniques for Interleave Division Multiple Access. Hu, Y., +, LWC Dec. 2018 1026-1029
- Low-Rate PBRL-LDPC Codes for URLLC in 5G. Wu, X., +, LWC Oct. 2018 800-803
- Two-Layer LDPC Codes for Low Complexity ML Detection in GSM Systems. Jiang, X., +, LWC June 2018 408-411

Particle swarm optimization

Optimal Satellite Gateway Placement in Space-Ground Integrated Network for Latency Minimization With Reliability Guarantee. *Cao, Y.*, +, *LWC April 2018 174-177*

Pattern classification

Transmit Antenna Selection in MIMO Wiretap Channels: A Machine Learning Approach. He, D., +, LWC Aug. 2018 634-637

Pattern clustering

Modularity-Based Dynamic Clustering for Energy Efficient UAVs-Aided Communications. Yu, J., +, LWC Oct. 2018 728-731

Phase modulation

Outage Performance of Two-Hop OFDM With Index Modulation and Multi-Carrier Relay Selections. *Dang, S., +, LWC Dec. 2018 926-929*

Phase noise

Phase Noise in Full-Duplex Radios Using Off-the-Shelf Oscillators. Zhang, C., +, LWC April 2018 206-209

Phase shift keying

Differential 16-QAM and 16-APSK for Uplink Massive MIMO Systems. Wei, R., +, LWC April 2018 170-173

The BER Analysis of MRC-Aided Greedy Detection for OFDM-IM in Presence of Uncertain CSI. *Luong, T.V.*, +, *LWC Aug. 2018 566-569*

Phase shifters

Multi-Envelope Precoding for Massive MIMO Systems. Gumus, M., +, LWC Oct. 2018 720-723

Phased arrays

Secrecy Capacity Analysis of AN-Aided FDA Communication Over Nakagami-*m* Fading. *Ji*, *S.*, +, *LWC Dec. 2018 1034-1037*

Physical layer

Filter Hopping Based Faster-Than-Nyquist Signaling for Physical Layer Security. Wang, J., +, LWC Dec. 2018 894-897

Piecewise linear techniques

Optimal Power and Time Allocation for WPCNs With Piece-Wise Linear EH Model. *Pejoski, S.*, +, *LWC June 2018 364-367*

Position control

Aerial Anchors Positioning for Reliable RSS-Based Outdoor Localization in Urban Environments. *Sallouha*, *H.*, +, *LWC June 2018 376-379*

Power amplifiers

Out-of-Band Radiation From Antenna Arrays Clarified. Larsson, E.G., +, LWC Aug. 2018 610-613

Power control

- Distributing Complexity: A New Approach to Antenna Selection for Distributed Massive MIMO. *Siljak, H.*, +, *LWC Dec. 2018 902-905* Energy-Efficient Relay Assignment and Power Control in Multi-User and
- Multi-Relay Networks. Zappone, A., +, LWC Dec. 2018 1070-1073
- Optimal Power Control in Cognitive Satellite Terrestrial Networks With Imperfect Channel State Information. *Shi*, *S.*, +, *LWC Feb. 2018 34-37* Optimal Resource Allocation for Non-Orthogonal Transmission in UAV Relay Systems. *Baek, J.*, +, *LWC June 2018 356-359*
- Power and Interference Regulated Water-Filling for Multi-Tier Multi-Carrier Interference Aware Uplink. *Yuksekkaya, B.*, +, *LWC Aug. 2018* 494-497
- Resource Allocation for D2D Communications Underlaying a NOMA-Based Cellular Network. Pan, Y., +, LWC Feb. 2018 130-133
- Secure Transmission for MISOME Wiretap Channels With Finite Alphabet Inputs. Cao, K., +, LWC Aug. 2018 570-573
- Utility-Energy Efficiency Oriented User Association With Power Control in Heterogeneous Networks. *Huang, X.*, +, *LWC Aug. 2018 526-529*

Power demand

- On the Statistical Properties of Constant Envelope Quantizers. *Jedda, H.*, +, *LWC Dec. 2018 1006-1009*
- Power outages
- Outage Analysis of Multirelay Multiuser Hybrid Satellite-Terrestrial Millimeter-Wave Networks. *Liang, X.*, +, *LWC Dec. 2018 1046-1049* **Power system reliability**
 - Compute-and-Forward for Uplink Non-Orthogonal Multiple Access. *Guo*, *C.*, +, *LWC Dec.* 2018 986-989
 - Extending the ITU-R P.530 Deep-Fading Outage Probability Results to SIMO-MRC and MIMO-MRC Line-of-Sight Systems. *Gagnon, F.,* +, *LWC Dec.* 2018 1086-1089

Outage Information Rate of Doubly Correlated Multi-Cluster Scattering MIMO Channels. *Taricco, G.*, +, *LWC Dec.* 2018 1042-1045

- Outage Performance of NOMA-Based Hybrid Satellite-Terrestrial Relay Networks. Yan, X., +, LWC Aug. 2018 538-541
- Outage Performance of Two-Hop OFDM With Index Modulation and Multi-Carrier Relay Selections. *Dang, S.*, +, *LWC Dec. 2018 926-929* Physical Layer Security for Cooperative Relaying Over Generalized-K

Fading Channels. Wu, L., +, LWC Aug. 2018 606-609

- Power Allocation for Multi-Hop Transmission Using Unsaturated Full-Duplex Relay Network Model. Park, J., +, LWC Dec. 2018 906-909
- Secrecy Performance of Satellite Wiretap Channels With Multi-User Opportunistic Scheduling. *Guo, K.*, +, *LWC Dec. 2018 1054-1057*
- Uplink Transmissions in URLLC Systems With Shared Diversity Resources. *Kotaba, R., +, LWC Aug. 2018 590-593*

Precoding

- A Hybrid Tomlinson–Harashima Transceiver Design for Multiuser mmWave MIMO Systems. Chang, T., +, LWC Feb. 2018 118-121
- Exploiting Signal Space Diversity in OFDM With Grouped Subcarriers: Going Beyond Subcarrier Index Modulation. *Inacio, J.C.*, +, *LWC Aug.* 2018 650-653
- Fast Converging Weighted Neumann Series Precoding for Massive MIMO Systems. Nagy, B., +, LWC April 2018 154-157
- Hybrid Precoding for Multi-Subarray Millimeter-Wave Communication Systems. Zhang, J., +, LWC June 2018 440-443

Multi-Envelope Precoding for Massive MIMO Systems. Gumus, M., +, LWC Oct. 2018 720-723

NOMA Systems With Content-Centric Multicast Transmission for C-RAN. Lee, S., +, LWC Oct. 2018 828-831

Over-Sampling Codebook-Based Hybrid Minimum Sum-Mean-Square-Error Precoding for Millimeter-Wave 3D-MIMO. *Mao*, *J.*, +, *LWC Dec*. 2018 938-941

Transceiver Design for MIMO Full-Duplex Two-Way Relay Network. Ayir, N., +, LWC Oct. 2018 772-775

Prediction theory

Adaptive Time Window Linear Regression for Outage Prediction in Q/V Band Satellite Systems. De Cola, T., +, LWC Oct. 2018 808-811

Spatio-Temporal Wireless Traffic Prediction With Recurrent Neural Network. *Qiu, C.*, +, *LWC Aug. 2018 554-557*

Pricing

A Novel Price-Based Power Allocation Algorithm in Non-Orthogonal Multiple Access Networks. Wang, Z., +, LWC April 2018 230-233

Price-Based Distributed Offloading for Mobile-Edge Computing With Computation Capacity Constraints. *Liu, M.*, +, *LWC June 2018 420-423* **Principal component analysis**

Low-Dimensionality of Noise-Free RSS and Its Application in Distributed Massive MIMO. Surya Vara Prasad, K.N.R., +, LWC Aug. 2018 486-489 Private key cryptography

- A Secret-Key-Aided Scheme to Secure Transmissions From Single-Antenna RF-EH Source Nodes. *El Shafie, A.*, +, *LWC April 2018 238-241* **Probability**
 - A Novel Approximate Antenna Pattern for Directional Antenna Arrays. Deng, N., +, LWC Oct. 2018 832-835
 - Amplify-and-Forward Virtual Full-Duplex Relaying-Based Cooperative NOMA. *Liau*, *Q.Y.*, +, *LWC June 2018 464-467*
 - Analysis of Multi-Antenna Small Cell Networks Modeled by Gauss-Poisson Process. Peng, X., +, LWC Oct. 2018 704-707
 - Coherent Joint Transmission in Downlink Heterogeneous Cellular Networks. Yu, X., +, LWC April 2018 274-277
 - Compressive Sensing-Based Multiuser Detection via Iterative Reweighed Approach in M2M Communications. *Zhang, X.*, +, *LWC Oct. 2018* 764-767
 - Compute-and-Forward for Uplink Non-Orthogonal Multiple Access. Guo, C., +, LWC Dec. 2018 986-989
 - Contention-Based Access for Ultra-Reliable Low Latency Uplink Transmissions. Singh, B., +, LWC April 2018 182-185
 - Coverage Analysis of Reduced Power Subframes Applied in Heterogeneous Networks With Subframe Misalignment Interference. *Hu*, *H.*, +, *LWC Oct. 2018 752-755*
 - Diversity Order Results for MIMO Optical Wireless Communications. Sapenov, Y., +, LWC Feb. 2018 74-77
 - Energy Detection in Full-Duplex Systems With Residual RF Impairments Over Fading Channels. *Boulogeorgos, A.A., +, LWC April 2018 246-249*
 - Extending the ITU-R P.530 Deep-Fading Outage Probability Results to SIMO-MRC and MIMO-MRC Line-of-Sight Systems. *Gagnon, F.*, +, *LWC Dec. 2018 1086-1089*
 - Impact of Relay's Eavesdropping on Untrusted Amplify-and-Forward Networks Over Nakagami-m Fading. Ding, F., +, LWC Feb. 2018 102-105
 - Improved Layered Message Passing Algorithms for Large-Scale Generalized Spatial Modulation Systems. Fan, S., +, LWC Feb. 2018 66-69
 - Joint Information and Power Transfer in SWIPT-Enabled CRFID Networks. Kim, Y., +, LWC April 2018 186-189
 - Low Complexity Message Passing Detection Algorithm for Large-Scale MIMO Systems. Zeng, J., +, LWC Oct. 2018 708-711
 - Noise-Aided Demodulation With One-Bit Comparator for Multilevel Pulse-Amplitude-Modulated Signals. *Nakashima, Y., +, LWC Oct. 2018* 848-851
 - On the Sum of Fisher–Snedecor F Variates and Its Application to Maximal-Ratio Combining. Badarneh, O.S., +, LWC Dec. 2018 966-969
 - Optimal Base Station Deployment with Downlink Rate Coverage Probability Constraint. *Chatterjee, S., +, LWC June 2018 340-343*
 - Optimal Power and Rate Allocation in Superposition Transmission With Successive Noise Signal Sharing Toward Zero Intercept Probability. *Choi*, *Y*., +, *LWC Oct.* 2018 824-827
 - Optimal Resource Allocation for Non-Orthogonal Transmission in UAV Relay Systems. *Baek, J.*, +, *LWC June 2018 356-359*
 - Outage Analysis for Downlink NOMA With Statistical Channel State Information. Wang, X., +, LWC April 2018 142-145
 - Outage Information Rate of Doubly Correlated Multi-Cluster Scattering MIMO Channels. *Taricco, G.*, +, *LWC Dec. 2018 1042-1045*
 - Outage Performance of NOMA-Based Hybrid Satellite-Terrestrial Relay Networks. Yan, X., +, LWC Aug. 2018 538-541
 - Outage Performance of Two-Hop OFDM With Index Modulation and Multi-Carrier Relay Selections. *Dang, S.*, +, *LWC Dec. 2018 926-929*
 - Performance of SWIPT-Based Differential AF Relaying Over Nakagami-m Fading Channels With Direct Link. Lou, Y, +, LWC Feb. 2018 106-109
 - Physical Layer Security for Cooperative Relaying Over Generalized-K Fading Channels. Wu, L., +, LWC Aug. 2018 606-609
 - Power Allocation for Multi-Hop Transmission Using Unsaturated Full-Duplex Relay Network Model. Park, J., +, LWC Dec. 2018 906-909
 - Rate and Outage Probability in Dual Band Systems With Prediction-Based Band Switching. *Burghal*, D., +, LWC Oct. 2018 872-875
 - Secrecy Performance of Satellite Wiretap Channels With Multi-User Opportunistic Scheduling. *Guo, K., +, LWC Dec. 2018 1054-1057*
 - Space-Time Stochastic Rain Fading Channel for Multiple LEO or MEO Satellite Slant Paths. *Kourogiorgas, C.I., +, LWC June 2018 284-287*
 - Sparsity-Aware Ordered Successive Interference Cancellation for Massive Machine-Type Communications. Ahn, J., +, LWC Feb. 2018 134-137
 - Success Probability and Area Spectral Efficiency of a VANET Modeled as a Cox Process. *Chetlur, V.V.*, +, *LWC Oct. 2018 856-859*
 - Uplink Transmissions in URLLC Systems With Shared Diversity Resources. Kotaba, R., +, LWC Aug. 2018 590-593
 - Wireless Energy and Information Transmission in FSO and RF-FSO Links. Makki, B., +, LWC Feb. 2018 90-93

Probability density function

- Accurate Closed-Form Approximations for the Sum of Correlated Weibull Random Variables. *El Bouanani, F.*, +, *LWC Aug. 2018 498-501* Efficient Calculation of Meta Distributions and the Performance of User
- Percentiles. Haengi, M., LWC Dec. 2018 982-985
- Learning Oriented Cross-Entropy Approach to User Association in Load-Balanced HetNet. *Huang, X., +, LWC Dec. 2018 1014-1017*

Probability distribution

- Connectivity Information-Aided Belief Propagation for Cooperative Localization. *Kim, H., +, LWC Dec. 2018 1010-1013*
- Learning Oriented Cross-Entropy Approach to User Association in Load-Balanced HetNet. *Huang, X.*, +, *LWC Dec. 2018 1014-1017*

Protocols

Delay Analysis of Random Scheduling and Round Robin in Small Cell Networks. Yang, H.H., +, LWC Dec. 2018 978-981

Energy-Efficient Relay Assignment and Power Control in Multi-User and Multi-Relay Networks. Zappone, A., +, LWC Dec. 2018 1070-1073

Level-Triggered Harvest-Then-Consume Protocol With Two Bits or Less Energy State Information. *Guruacharya, S., +, LWC April 2018 150-153* Two-Way Full-Duplex Spatial Modulation Systems With Wireless Powered AF Relaying. *Koc, A., +, LWC June 2018 444-447*

Pulse amplitude modulation

Noise-Aided Demodulation With One-Bit Comparator for Multilevel Pulse-Amplitude-Modulated Signals. *Nakashima, Y.*, +, *LWC Oct. 2018* 848-851

Pulse shaping methods

Filter Hopping Based Faster-Than-Nyquist Signaling for Physical Layer Security. Wang, J., +, LWC Dec. 2018 894-897

Q

Quadratic programming

FISTA-Based PAPR Reduction Method for Tone Reservation's OFDM System. Wang, Y., +, LWC June 2018 300-303

Quadrature amplitude modulation

- CFO and Channel Estimation for Frequency Selective MIMO-FBMC/OQAM Systems. *Singh, P., +, LWC Oct. 2018 844-847* Differential 16-QAM and 16-APSK for Uplink Massive MIMO Systems. *Wei, R., +, LWC April 2018 170-173*
- Golden Angle Modulation. Larsson, P., LWC Feb. 2018 98-101

Variable-Rate Variable-Power MQAM for Spectral Efficiency Maximization in Full-Duplex Systems. Gao, Q., +, LWC June 2018 288-291

Quadrature phase shift keying

Automatic Modulation Recognition for Phase Shift Keying Signals With Compressive Measurements. *Xie, L., +, LWC April 2018 194-197*

Quality of experience

How to Reduce Unexpected eMBMS Session Disconnection: Design and Performance Analysis. *Chan, T., +, LWC Feb. 2018 126-129*

Quality of service

- 3-D Placement of an Unmanned Aerial Vehicle Base Station for Maximum Coverage of Users With Different QoS Requirements. *Alzenad, M.*, +, *LWC Feb. 2018 38-41*
- A Novel Spectrum Sharing Scheme Assisted by Secondary NOMA Relay. *Chen, B., +, LWC Oct. 2018 732-735*
- From Cellular Decision Making to Adaptive Handoff in Heterogeneous Wireless Networks. *Tian, D., +, LWC Feb. 2018 2-5*
- Information Prediction and Dynamic Programming-Based RAN Slicing for Mobile Edge Computing. *Zhao, P., +, LWC Aug. 2018 614-617*
- Minimum Cache Size and Backhaul Capacity for Cache-Enabled Small Cell Networks. Song, J., +, LWC Aug. 2018 490-493
- Optimum QoS-Aware Beamformer Design for Full-Duplex Relay With Self-Energy Recycling. *Demir, O.T., +, LWC Feb. 2018 122-125*
- Resource Allocation in NOMA Virtualized Wireless Networks Under Statistical Delay Constraints. *Sinaie, M.*, +, *LWC Dec. 2018 954-957*

Selfish Attacks in Two-Hop IEEE 802.11 Relay Networks: Impact and Countermeasures. *Szott, S.*, +, *LWC Aug. 2018 658-661*

Strategic Densification With UAV-BSs in Cellular Networks. Lagum, F., +, LWC June 2018 384-387

Quantization (signal)

Channel Feedback Codebook Design for Millimeter-Wave Massive MIMO Systems Relying on Lens Antenna Array. *Shen, W.*, +, *LWC Oct. 2018* 736-739

On the Statistical Properties of Constant Envelope Quantizers. *Jedda, H.,* +, *LWC Dec. 2018 1006-1009*

Quantizer Design for Generalized Locally Optimum Detectors in Wireless Sensor Networks. *Ciuonzo, D.*, +, *LWC April 2018 162-165*

The Safety Analysis: Disagreement of Wireless Communication-Based Consensus. *Tedik Basaran, S.*, +, *LWC Dec. 2018 998-1001*

Delay Analysis of Random Scheduling and Round Robin in Small Cell Networks. Yang, H.H., +, LWC Dec. 2018 978-981

Queueing theory

- On Interrelation of Video Streaming Characteristics in Centralized Wireless Networks. Pastushok, I., +, LWC April 2018 226-229 Optimal Sleeping Mechanism for Multiple Servers With MMPP-Based
 - Bursty Traffic Arrival. Jiang, Z., +, LWC June 2018 436-439

R

- Radio access networks
 - Channel Diagonalization for Cloud Radio Access. Liu, L., +, LWC Aug. 2018 622-625
 - Characterizing the Relation Between Processing Power and Distance Between BBU and RRH in a Cloud RAN. *Marotta, M.A.*, +, *LWC June* 2018 472-475
 - Information Prediction and Dynamic Programming-Based RAN Slicing for Mobile Edge Computing. Zhao, P., +, LWC Aug. 2018 614-617
 - NOMA Systems With Content-Centric Multicast Transmission for C-RAN. Lee, S., +, LWC Oct. 2018 828-831

On Fair Rule Caching in Software Defined Radio Access Networks. Rastegar, S.H., +, LWC June 2018 460-463

Radio frequency

- LoRa Transceiver With Improved Characteristics. Jovalekic, N., +, LWC Dec. 2018 1058-1061
- Over-Sampling Codebook-Based Hybrid Minimum Sum-Mean-Square-Error Precoding for Millimeter-Wave 3D-MIMO. *Mao, J.*, +, *LWC Dec.* 2018 938-941
- Resource Allocation in NOMA Virtualized Wireless Networks Under Statistical Delay Constraints. *Sinaie*, M., +, LWC Dec. 2018 954-957

Radio links

Correction Factor for Analysis of MIMO Wireless Networks With Highly Directional Beamforming. *Kulkarni, M.N.*, +, *LWC Oct. 2018 756-759* Equi-Coverage Contours in Cellular Networks. *Afshang, M.*, +, *LWC Oct. 2018 700-703*

Radio networks

- A Theoretical Analysis of Asymptotical Performance of Cooperative Spectrum Sensing in the Presence of Malicious Users. *Benedetto, F.,* +, *LWC June 2018 380-383*
- Area Spectral Efficiency Analysis of Multi-Antenna Networks Modeled by Ginibre Point Process. Chen, G., +, LWC Feb. 2018 6-9
- Design of LDPC Codes for the Unequal Power Two-User Gaussian Multiple Access Channel. *Balatsoukas-Stimming*, A., +, LWC Oct. 2018 868-871
- Energy Minimization for Cache-Assisted Content Delivery Networks With Wireless Backhaul. Vu, T.X., +, LWC June 2018 332-335
- Fitness-Aware Coded Multicasting for Decentralized Caching With Finite File Packetization. Zhang, N., +, LWC Oct. 2018 740-743
- Joint Optimization of Beamforming and Base Station Clustering Based on Leakage Rate. *Li*, *Y.*, +, *LWC June 2018 432-435*
- Mixed Nash Equilibria for In-Band Full-Duplex Networks. *Munari, A.*, +, *LWC Aug. 2018 502-505*
- Mobile Assisted Directional Paging (MADP) in Emerging 5G Wireless Networks. Agiwal, M., +, LWC June 2018 416-419
- On Interrelation of Video Streaming Characteristics in Centralized Wireless Networks. *Pastushok, I., +, LWC April 2018 226-229*
- On the SIR Meta Distribution for Poisson Networks With Interference Cancellation. *Wang, Y.*, +, *LWC Feb. 2018 26-29*
- Optimal Base Station Deployment with Downlink Rate Coverage Probability Constraint. *Chatterjee, S., +, LWC June 2018 340-343*
- Optimal Power Allocation for Secrecy Rate Maximization in Broadcast Wiretap Channels. Song, H., +, LWC Aug. 2018 514-517
- Optimal Power and Rate Allocation in Superposition Transmission With Successive Noise Signal Sharing Toward Zero Intercept Probability. *Choi*, *Y*, +, *LWC Oct.* 2018 824-827
- Optimal Power Control for NOMA Wireless Networks With Relays. *Gau*, *R.*, +, *LWC Feb*. 2018 22-25
- Optimum Spectral and Energy Efficiency Tradeoff in Two-User Gaussian Interference Channel. Cai, D., +, LWC June 2018 468-471
- Retrodirective Large Antenna Energy Beamforming in Backscatter Multi-User Networks. Krikidis, I., LWC Aug. 2018 678-681
- Topological Interference Management Framework for Device-to-Device Communication. *Doumiati, S., +, LWC Aug. 2018 602-605*

Unmanned Aerial Vehicle-Aided Communications: Joint Transmit Power and Trajectory Optimization. Wang, H., +, LWC Aug. 2018 522-525 X-Duplex Radios: Flexible Switching Between Full-Duplex and Half-Duplex. Yao, C., +, LWC Feb. 2018 94-97

Radio receivers

Multiple Symbol Differential Detection for Noncoherent Communications With Large-Scale Antenna Arrays. Wang, Y., +, LWC April 2018 190-193 Novel 3-D Irregular-Shaped Geometry-Based Channel Modeling for Semi-Ellipsoid Vehicle-to-Vehicle Scattering Environments. Jiang, H., +, LWC Oct. 2018 836-839

On the SIR Meta Distribution for Poisson Networks With Interference Cancellation. Wang, Y., +, LWC Feb. 2018 26-29

Partially Active Message Passing Receiver for MIMO-SCMA Systems. Dai, J., +, LWC April 2018 222-225

Phase Noise in Full-Duplex Radios Using Off-the-Shelf Oscillators. Zhang, C., +, LWC April 2018 206-209

Receiver Originated Physical-Layer Robust Secure Transmissions in Wireless Systems. Kai, C., +, LWC Feb. 2018 86-89

Retrodirective Large Antenna Energy Beamforming in Backscatter Multi-User Networks. Krikidis, I., LWC Aug. 2018 678-681

Retrodirective Multi-User Wireless Power Transfer With Massive MIMO. Lee, S., +, LWC Feb. 2018 54-57

Secrecy-Oriented Antenna Assignment Optimization at Full-Duplex Receiver With Self-Interference. Guo, T., +, LWC Aug. 2018 562-565

Transmit Antenna Selection in MIMO Wiretap Channels: A Machine Learning Approach. He, D., +, LWC Aug. 2018 634-637

Radio spectrum management

A Novel Spectrum Sharing Scheme Assisted by Secondary NOMA Relay. Chen, B., +, LWC Oct. 2018 732-735

A Theoretical Analysis of Asymptotical Performance of Cooperative Spectrum Sensing in the Presence of Malicious Users. Benedetto, F., +, LWC June 2018 380-383

Area Spectral Efficiency Analysis of Multi-Antenna Networks Modeled by Ginibre Point Process. Chen, G., +, LWC Feb. 2018 6-9

Beam Steering for the Misalignment in UCA-Based OAM Communication Systems. Chen, R., +, LWC Aug. 2018 582-585

D2D Communication for Adaptive Streaming Exploiting White Spaces in Transmissions of the Cellular Network. Roumeliotis, A.J., +, LWC Feb. 2018 58-61

Energy Detection in Full-Duplex Systems With Residual RF Impairments Over Fading Channels. Boulogeorgos, A.A., +, LWC April 2018 246-249

Low-Complexity Compressive Spectrum Sensing for Large-Scale Real-Time Processing. Zhang, X., +, LWC Aug. 2018 674-677

Optimal Power Control in Cognitive Satellite Terrestrial Networks With Imperfect Channel State Information. Shi, S., +, LWC Feb. 2018 34-37

Simultaneous Detection and Channel Estimation for Censoring-Based Spectrum Sensing in Cognitive Radio Networks. Mansukhani, J., +, LWC June 2018 292-295

Spectral Efficiency of Multipair Massive MIMO Two-Way Relaying With Hardware Impairments. Zhang, J., +, LWC Feb. 2018 14-17

Variable-Rate Variable-Power MQAM for Spectral Efficiency Maximization in Full-Duplex Systems. Gao, Q., +, LWC June 2018 288-291

Radio transceivers

A Hybrid Tomlinson-Harashima Transceiver Design for Multiuser mmWave MIMO Systems. Chang, T., +, LWC Feb. 2018 118-121

Out-of-Band Radiation From Antenna Arrays Clarified. Larsson, E.G., +, LWC Aug. 2018 610-613

Phase Noise in Full-Duplex Radios Using Off-the-Shelf Oscillators. Zhang, C., +, LWC April 2018 206-209

Transceiver Design for MIMO Full-Duplex Two-Way Relay Network. Ayir, N., +, LWC Oct. 2018 772-775

Radio transmitters

Detection of Load-Modulated Multiuser MIMO Signals. Bhat, S., +, LWC April 2018 266-269

Improved Layered Message Passing Algorithms for Large-Scale Generalized Spatial Modulation Systems. Fan, S., +, LWC Feb. 2018 66-69

Novel 3-D Irregular-Shaped Geometry-Based Channel Modeling for Semi-Ellipsoid Vehicle-to-Vehicle Scattering Environments. Jiang, H., +, LWC Oct. 2018 836-839

Phase Noise in Full-Duplex Radios Using Off-the-Shelf Oscillators. Zhang, C., +, LWC April 2018 206-209

Receiver Originated Physical-Layer Robust Secure Transmissions in Wireless Systems. Kai, C., +, LWC Feb. 2018 86-89

Retrodirective Large Antenna Energy Beamforming in Backscatter Multi-User Networks. Krikidis, I., LWC Aug. 2018 678-681

Retrodirective Multi-User Wireless Power Transfer With Massive MIMO. Lee, S., +, LWC Feb. 2018 54-57

Secure Beamforming Designs for Secrecy MIMO SWIPT Systems. Zhu, Z., +, LWC June 2018 424-427

Secure Transmission for MISOME Wiretap Channels With Finite Alphabet Inputs. Cao, K., +, LWC Aug. 2018 570-573

Radiocommunication

Fast Millimeter Wave Assisted Beam-Steering for Passive Indoor Optical Wireless Networks. Torres Vega, M., +, LWC April 2018 278-281 Low Complexity User Selection With Optimal Power Allocation in

Downlink NOMA. Nain, G., +, LWC April 2018 158-161

Radiofrequency filters

Transceiver Design for MIMO Full-Duplex Two-Way Relay Network. Ayir, N., +, LWC Oct. 2018 772-775

Radiofrequency identification

Joint Information and Power Transfer in SWIPT-Enabled CRFID Networks. Kim, Y., +, LWC April 2018 186-189

Security of Grouping-Proof Authentication Protocol for Distributed RFID Systems. Sun, D., +, LWC April 2018 254-257

Radiofrequency interference

A Novel Cell Reconfiguration Technique for Dynamic TDD Wireless Networks. Ardah, K., +, LWC June 2018 320-323

A Novel Pilot Assignment Scheme in Massive MIMO Networks. Ma, S., +, LWC April 2018 262-265

Cooperative Transmission in Small Cell Networks Using Network Coding. Zhan, C., +, LWC Aug. 2018 510-513

Correction Factor for Analysis of MIMO Wireless Networks With Highly Directional Beamforming. Kulkarni, M.N., +, LWC Oct. 2018 756-759

Coverage Analysis of Reduced Power Subframes Applied in Heterogeneous Networks With Subframe Misalignment Interference. Hu, H., +, LWC Oct. 2018 752-755

Equi-Coverage Contours in Cellular Networks. Afshang, M., +, LWC Oct. 2018 700-703

Multiple Symbol Differential Detection for Noncoherent Communications With Large-Scale Antenna Arrays. Wang, Y., +, LWC April 2018 190-193

NOMA Systems With Content-Centric Multicast Transmission for C-RAN. Lee, S., +, LWC Oct. 2018 828-831

On the SIR Meta Distribution for Poisson Networks With Interference Cancellation. Wang, Y., +, LWC Feb. 2018 26-29

Optimal Full-Rank Signaling Over MIMO Wiretap Channels Under Interference Constraint. Loyka, S., +, LWC Aug. 2018 534-537

Optimal Power Control in Cognitive Satellite Terrestrial Networks With Imperfect Channel State Information. Shi, S., +, LWC Feb. 2018 34-37

Phase Noise in Full-Duplex Radios Using Off-the-Shelf Oscillators. Zhang, C., +, LWC April 2018 206-209

Power and Interference Regulated Water-Filling for Multi-Tier Multi-Carrier Interference Aware Uplink. Yuksekkaya, B., +, LWC Aug. 2018 494-49

Resource Allocations for Secure Cognitive Satellite-Terrestrial Networks. Li, B., +, LWC Feb. 2018 78-81

Secure Full-Duplex Two-Way Relaying for SWIPT. Okandeji, A.A., +, LWC June 2018 336-339

Statistical Modeling-Based Deployment Issue in Cognitive Satellite Terrestrial Networks. Liang, T., +, LWC April 2018 202-205

Topological Interference Management Framework for Device-to-Device Communication. Doumiati, S., +, LWC Aug. 2018 602-605

Transceiver Design for MIMO Full-Duplex Two-Way Relay Network. Ayir, N., +. LWC Oct. 2018 772-775

Variable-Rate Variable-Power MQAM for Spectral Efficiency Maximization in Full-Duplex Systems. Gao, Q., +, LWC June 2018 288-291

X-Duplex Radios: Flexible Switching Between Full-Duplex and Half-Duplex. Yao, C., +, LWC Feb. 2018 94-97

Radiofrequency power transmission

Joint Information and Power Transfer in SWIPT-Enabled CRFID Networks. Kim, Y., +, LWC April 2018 186-189

Jointly Optimal Spatial Channel Assignment and Power Allocation for MIMO SWIPT Systems. *Mishra*, D., +, *LWC April 2018 214-217* Optimal Power and Time Allocation for WPCNs With Piece-Wise Linear

EH Model. Pejoski, S., +, LWC June 2018 364-367

Retrodirective Large Antenna Energy Beamforming in Backscatter Multi-User Networks. Krikidis, I., LWC Aug. 2018 678-681

Radiowave propagation

Adaptive Time Window Linear Regression for Outage Prediction in Q/V Band Satellite Systems. De Cola, T., +, LWC Oct. 2018 808-811

Algebraic Analysis of the Poles in the Doppler Spectrum for Vehicle-to-Vehicle Channels. Walter, M., +, LWC Aug. 2018 662-665

Modeling Cellular-to-UAV Path-Loss for Suburban Environments. Al-Hourani, A., +, LWC Feb. 2018 82-85

Novel 3-D Irregular-Shaped Geometry-Based Channel Modeling for Semi-Ellipsoid Vehicle-to-Vehicle Scattering Environments. Jiang, H., +, LWC Oct. 2018 836-839

Railway safety

Measurement and Configuration of DSRC Radios for Vehicle-to-Train (V2T) Safety-Critical Communications. *Choi, J.*, +, *LWC June 2018* 428-431

Rain attenuation

Outage Analysis of Multirelay Multiuser Hybrid Satellite-Terrestrial Millimeter-Wave Networks. *Liang, X.*, +, *LWC Dec. 2018 1046-1049* Random codes

Network Coding for Physical Layer Secrecy. Etemadi Tajbakhsh, S., +, LWC Aug. 2018 642-645

Random variables

- Accurate Closed-Form Approximations for the Sum of Correlated Weibull Random Variables. *El Bouanani, F., +, LWC Aug. 2018 498-501*
- Efficient Calculation of Meta Distributions and the Performance of User Percentiles. *Haenggi, M., LWC Dec. 2018 982-985*
- Learning Oriented Cross-Entropy Approach to User Association in Load-Balanced HetNet. *Huang, X., +, LWC Dec. 2018 1014-1017*
- On the Statistical Properties of Constant Envelope Quantizers. *Jedda, H.*, +, *LWC Dec. 2018 1006-1009*

Ray tracing

Environment-Aware Drone-Base-Station Placements in Modern Metropolitans. *Bor-Yaliniz, I., +, LWC June 2018 372-375*

Rayleigh channels

- Multiple Symbol Differential Detection for Noncoherent Communications With Large-Scale Antenna Arrays. *Wang, Y., +, LWC April 2018 190-193* On Physical Layer Security of Double Rayleigh Fading Channels for Vehicular Communications. *Ai, Y., +, LWC Dec. 2018 1038-1041*
- Physical Layer Security for Cooperative Relaying Over Generalized-K Fading Channels. Wu, L., +, LWC Aug. 2018 606-609
- Quadrature Dual Mode Index Modulation. *Bouhlel, A., +, LWC Aug. 2018* 542-545
- Simultaneous Detection and Channel Estimation for Censoring-Based Spectrum Sensing in Cognitive Radio Networks. *Mansukhani, J.*, +, *LWC June 2018 292-295*
- Space-Shift-Keying-Based Wireless-Powered Communications. Badarneh, O.S., LWC Aug. 2018 670-673
- When is the Achievable Rate Region Convex in Two-User Massive MIMO Systems?. Chen, Z., +, LWC Oct. 2018 796-799

Receivers

- A Hybrid Digital-Analog Chaotic Code. Yu, W., +, LWC Dec. 2018 930-933
- A Uniform-Forcing Transceiver Design for Over-the-Air Function Computation. Chen, L., +, LWC Dec. 2018 942-945
- Active Cancellation of Self-Interference for Full-Duplex Amplify and Forward Wi-Fi Relay. *Shaboyan, S., +, LWC Dec. 2018 1050-1053*
- An Energy-Efficient Network-Wide Broadcast Protocol for Asynchronous Wireless Sensor Networks. *Wang, X.*, +, *LWC Dec. 2018 918-921*
- Filter Hopping Based Faster-Than-Nyquist Signaling for Physical Layer Security. Wang, J., +, LWC Dec. 2018 894-897
- Fractional Sparse Code Multiple Access and Its Optimization. Wang, Y., +, LWC Dec. 2018 990-993
- Improving Anti-Eavesdropping Ability Without Eavesdropper's CSI: A Practical Secure Transmission Design Perspective. Zheng, T., +, LWC Dec. 2018 946-949
- OFDM With Subcarrier Number Modulation. Jaradat, A.M., +, LWC Dec. 2018 914-917
- On the Sum of Fisher–Snedecor F Variates and Its Application to Maximal-Ratio Combining. *Badarneh, O.S.*, +, *LWC Dec. 2018 966-969* Pre-Processing Images for Enhancing Reliability in Screen-to-Camera

Communication. *Kim, Y.*, +, *LWC Dec.* 2018 934-937 Secrecy Capacity Analysis of AN-Aided FDA Communication Over Nakagami-*m* Fading. *Ji, S.*, +, *LWC Dec.* 2018 1034-1037

Uplink Transmissions in URLLC Systems With Shared Diversity Re-

sources. *Kotaba*, *R*., +, *LWC Aug.* 2018 590-593 Receiving antennas

- A Space-Time Transmission Scheme for Large MIMO Systems. M. K., A., LWC Feb. 2018 62-65
- Beam Steering for the Misalignment in UCA-Based OAM Communication Systems. Chen, R., +, LWC Aug. 2018 582-585
- Detection of Load-Modulated Multiuser MIMO Signals. Bhat, S., +, LWC April 2018 266-269
- Differential 16-QAM and 16-APSK for Uplink Massive MIMO Systems. Wei, R., +, LWC April 2018 170-173
- Extending the ITU-R P.530 Deep-Fading Outage Probability Results to SIMO-MRC and MIMO-MRC Line-of-Sight Systems. *Gagnon, F.*, +, *LWC Dec.* 2018 1086-1089

Temporal Autocorrelation of Small-Scale Fading Using Leaky Coaxial Cable in Confined Space. *Pan, Y.*, +, *LWC Dec. 2018 1082-1085* X-Duplex Radios: Flexible Switching Between Full-Duplex and Half-

X-Duplex Radios: Flexible Switching Between Full-Duplex and Half-Duplex. Yao, C., +, LWC Feb. 2018 94-97

Recurrent neural networks

- Spatio-Temporal Wireless Traffic Prediction With Recurrent Neural Network. *Qiu, C.*, +, *LWC Aug. 2018 554-557*
- **Regression analysis**
 - Adaptive Time Window Linear Regression for Outage Prediction in Q/V Band Satellite Systems. *De Cola, T.*, +, *LWC Oct. 2018 808-811*

Low-Dimensionality of Noise-Free RSS and Its Application in Distributed Massive MIMO. Surya Vara Prasad, K.N.R., +, LWC Aug. 2018 486-489 Relay networks (telecommunication)

A Novel Spectrum Sharing Scheme Assisted by Secondary NOMA Relay. Chen, B., +, LWC Oct. 2018 732-735

Amplify-and-Forward Virtual Full-Duplex Relaying-Based Cooperative NOMA. *Liau, Q.Y.*, +, *LWC June 2018 464-467*

- Automatic Modulation Classification for D-STBC Cooperative Relaying Networks. *Tayakout, H., +, LWC Oct. 2018 780-783*
- Capacity Scaling for D2D Aided Cooperative Relaying Systems Using NOMA. Kim, J., +, LWC Feb. 2018 42-45
- Coordinated Direct and Relay Transmission Using Uplink NOMA. Kader, M.F., +, LWC June 2018 400-403
- Graph-Based Path Selection and Power Allocation for DF Relay-Aided Transmission. Lu, L., +, LWC Feb. 2018 138-141
- Impact of Relay's Eavesdropping on Untrusted Amplify-and-Forward Networks Over Nakagami-m Fading. Ding, F., +, LWC Feb. 2018 102-105
- Imperfect CSI Based Multi-Way Satellite Relaying. M. K., A., LWC Oct. 2018 864-867
- Optimal Resource Allocation for Non-Orthogonal Transmission in UAV Relay Systems. *Baek, J.*, +, *LWC June 2018 356-359*
- Optimum QoS-Aware Beamformer Design for Full-Duplex Relay With Self-Energy Recycling. *Demir, O.T., +, LWC Feb. 2018 122-125*
- Performance Analysis of Reversible Binding Receptor Based Decode-and-Forward Relay in Molecular Communication Systems. *Yuan, S.*, +, *LWC Oct.* 2018 880-883
- Performance of SWIPT-Based Differential AF Relaying Over Nakagami-m
- Fading Channels With Direct Link. Lou, Y., +, LWC Feb. 2018 106-109 Secure Full-Duplex Two-Way Relaying for SWIPT. Okandeji, A.A., +, LWC June 2018 336-339
- Selfish Attacks in Two-Hop IEEE 802.11 Relay Networks: Impact and Countermeasures. Szott, S., +, LWC Aug. 2018 658-661
- Soft-Information Aided Channel Estimation With IQ Imbalance for Alternate-Relaying OFDM Cooperative Systems. *Marey, M., LWC June* 2018 308-311
- Spectral Efficiency of Multipair Massive MIMO Two-Way Relaying With Hardware Impairments. Zhang, J., +, LWC Feb. 2018 14-17
- Spectral- and Energy-Efficiency of Massive MIMO Two-Way Half-Duplex Hybrid Processing AF Relay. Sharma, E., +, LWC Oct. 2018 876-879
- Transceiver Design for MIMO Full-Duplex Two-Way Relay Network. Ayir, N., +, LWC Oct. 2018 772-775
- Two-Way Full-Duplex Spatial Modulation Systems With Wireless Powered AF Relaying. Koc, A., +, LWC June 2018 444-447

Ultra-Reliable Short-Packet Communications: Half-Duplex or Full-Duplex Relaying?. *Gu, Y.*, +, *LWC June 2018 348-351*

Relay networks (telecommunications)

- Energy-Efficient Relay Assignment and Power Control in Multi-User and Multi-Relay Networks. *Zappone, A., +, LWC Dec. 2018 1070-1073* Outage Performance of NOMA-Based Hybrid Satellite-Terrestrial Relay
- Networks. Yan, X., +, LWC Aug. 2018 538-541

Power Allocation for Multi-Hop Transmission Using Unsaturated Full-Duplex Relay Network Model. Park, J., +, LWC Dec. 2018 906-909

- Relays
 - Active Cancellation of Self-Interference for Full-Duplex Amplify and Forward Wi-Fi Relay. *Shaboyan, S.,* +, *LWC Dec. 2018 1050-1053*
 - Outage Analysis of Multirelay Multiuser Hybrid Satellite-Terrestrial Millimeter-Wave Networks. *Liang, X.*, +, *LWC Dec. 2018 1046-1049* Outage Performance of Two-Hop OFDM With Index Modulation and
 - Multi-Carrier Relay Selections. Dang, S., +, LWC Dec. 2018 926-929 Physical Layer Security for Cooperative Relaying Over Generalized-K
 - Fading Channels. Wu, L., +, LWC Aug. 2018 606-609
 - Robust Transmission in Non-Orthogonal Multiple Access AF Relay Networks. Zhao, S., +, LWC Dec. 2018 1078-1081
 - SNR-Aware Power Allocation Scheme for Lossy-Forward Relaying Systems. Santos Filho, J.C.S., +, LWC Dec. 2018 1018-1021
- Reliability

Uplink Transmissions in URLLC Systems With Shared Diversity Resources. Kotaba, R., +, LWC Aug. 2018 590-593

+ Check author entry for co-authors

Remotely operated vehicles

- Environment-Aware Drone-Base-Station Placements in Modern Metropolitans. *Bor-Yaliniz, I., +, LWC June 2018 372-375*
- Unmanned Aerial Vehicle-Aided Communications: Joint Transmit Power and Trajectory Optimization. Wang, H., +, LWC Aug. 2018 522-525

Resource allocation

- A Novel Price-Based Power Allocation Algorithm in Non-Orthogonal Multiple Access Networks. *Wang, Z.*, +, *LWC April 2018 230-233* Capacity Scaling for D2D Aided Cooperative Relaying Systems Using
- NOMA. *Kim, J.*, +, *LWC Feb.* 2018 42-45 Energy- and Spectral-Efficiency Trade-Off for D2D-Multicasts in Underlay Cellular Networks. *Bhardwaj, A.*, +, *LWC Aug.* 2018 546-549
- Joint Channel Resources Allocation and Beamforming in Energy Harvesting Systems. Le, T, +, LWC Oct. 2018 884-887
- Optimal Power and Time Allocation for WPCNs With Piece-Wise Linear EH Model. *Pejoski, S., +, LWC June 2018 364-367*
- Optimal Resource Allocation for Non-Orthogonal Transmission in UAV Relay Systems. Baek, J., +, LWC June 2018 356-359
- Power and Interference Regulated Water-Filling for Multi-Tier Multi-Carrier Interference Aware Uplink. *Yuksekkaya, B.*, +, *LWC Aug. 2018* 494-497
- Resource Allocations for Secure Cognitive Satellite-Terrestrial Networks. Li, B., +, LWC Feb. 2018 78-81
- Spectrum Efficient Resource Management for Multi-Carrier-Based NOMA Networks: A Graph-Based Method. Zhai, D., +, LWC June 2018 388-391

Resource management

- A Hybrid Digital-Analog Chaotic Code. Yu, W., +, LWC Dec. 2018 930-933
- Deep Neural Networks for Linear Sum Assignment Problems. Lee, M., +, LWC Dec. 2018 962-965
- Energy-Efficient Relay Assignment and Power Control in Multi-User and Multi-Relay Networks. Zappone, A., +, LWC Dec. 2018 1070-1073
- Fractional Sparse Code Multiple Access and Its Optimization. Wang, Y., +, LWC Dec. 2018 990-993
- Improving Anti-Eavesdropping Ability Without Eavesdropper's CSI: A Practical Secure Transmission Design Perspective. Zheng, T., +, LWC Dec. 2018 946-949
- Joint Admission Control and Resource Allocation for Multi-Carrier Uplink NOMA Networks. Zhai, D., +, LWC Dec. 2018 922-925
- Power Allocation and User Clustering for Uplink MC-NOMA in D2D Underlaid Cellular Networks. *Zheng, H., +, LWC Dec. 2018 1030-1033* Power Allocation for Multi-Hop Transmission Using Unsaturated Full-
- Duplex Relay Network Model. Park, J., +, LWC Dec. 2018 906-909
- Resource Allocation in NOMA Virtualized Wireless Networks Under Statistical Delay Constraints. *Sinaie*, M., +, LWC Dec. 2018 954-957
- Robust Transmission in Non-Orthogonal Multiple Access AF Relay Networks. Zhao, S., +, LWC Dec. 2018 1078-1081
- Slicing the Edge: Resource Allocation for RAN Network Slicing. Vo, P.L., +, LWC Dec. 2018 970-973
- SNR-Aware Power Allocation Scheme for Lossy-Forward Relaying Systems. Santos Filho, J.C.S., +, LWC Dec. 2018 1018-1021
- Uplink Transmissions in URLLC Systems With Shared Diversity Resources. *Kotaba, R., +, LWC Aug. 2018 590-593*

Rician channels

- Estimation of Rician K-Factor in the Presence of Nakagami-*m* Shadowing for the LoS Component. *Giunta*, *G.*, +, *LWC Aug. 2018 550-553*
- Outage Analysis of Cognitive Hybrid Satellite-Terrestrial Networks With Hardware Impairments and Multi-Primary Users. *Guo, K.*, +, *LWC Oct.* 2018 816-819
- Quadrature Dual Mode Index Modulation. *Bouhlel, A., +, LWC Aug. 2018* 542-545
- Simultaneous Detection and Channel Estimation for Censoring-Based Spectrum Sensing in Cognitive Radio Networks. *Mansukhani, J.*, +, *LWC June 2018 292-295*

Robustness

Robust Transmission in Non-Orthogonal Multiple Access AF Relay Networks. Zhao, S., +, LWC Dec. 2018 1078-1081

Round robin

Delay Analysis of Random Scheduling and Round Robin in Small Cell Networks. Yang, H.H., +, LWC Dec. 2018 978-981

Routing

Centralized Trust-Based Secure Routing in Wireless Networks. Yun, J., +, LWC Dec. 2018 1066-1069

Routing protocols

Selfish Attacks in Two-Hop IEEE 802.11 Relay Networks: Impact and Countermeasures. Szott, S., +, LWC Aug. 2018 658-661

RSSI

 Aerial Anchors Positioning for Reliable RSS-Based Outdoor Localization in Urban Environments. Sallouha, H., +, LWC June 2018 376-379
New RSSI-Based Tracking for Following Mobile Targets Using the Law of Cosines. Lagias, A.E., +, LWC June 2018 392-395

S

Safety

The Safety Analysis: Disagreement of Wireless Communication-Based Consensus. *Tedik Basaran, S., +, LWC Dec. 2018 998-1001*

Satellite broadcasting

Secrecy Performance of Satellite Wiretap Channels With Multi-User Opportunistic Scheduling. *Guo*, *K.*, +, *LWC Dec. 2018 1054-1057*

Satellite communication

- Adaptive Time Window Linear Regression for Outage Prediction in Q/V Band Satellite Systems. *De Cola, T., +, LWC Oct. 2018 808-811*
- Outage Analysis of Multirelay Multiuser Hybrid Satellite-Terrestrial Millimeter-Wave Networks. *Liang, X.*, +, *LWC Dec. 2018 1046-1049*
- Resource Allocations for Secure Cognitive Satellite-Terrestrial Networks. *Li, B.*, +, *LWC Feb. 2018 78-81*
- Statistical Modeling-Based Deployment Issue in Cognitive Satellite Terrestrial Networks. *Liang, T., +, LWC April 2018 202-205*

Satellite ground stations

Optimal Satellite Gateway Placement in Space-Ground Integrated Network for Latency Minimization With Reliability Guarantee. *Cao, Y.*, +, *LWC April 2018 174-177*

Satellite links

- Adaptive Time Window Linear Regression for Outage Prediction in Q/V Band Satellite Systems. *De Cola, T., +, LWC Oct. 2018 808-811*
- Optimal Power Control in Cognitive Satellite Terrestrial Networks With Imperfect Channel State Information. *Shi, S.*, +, *LWC Feb. 2018 34-37* Space-Time Stochastic Rain Fading Channel for Multiple LEO or MEO
- Satellite Slant Paths. *Kourogiorgas, C.I., +, LWC June 2018 284-287* Satellites

Outage Performance of NOMA-Based Hybrid Satellite-Terrestrial Relay Networks. Yan, X., +, LWC Aug. 2018 538-541

Scattering

Outage Information Rate of Doubly Correlated Multi-Cluster Scattering MIMO Channels. *Taricco, G., +, LWC Dec. 2018 1042-1045*

Scheduling

Flooding With Network Coding Under a Schedule-Based Spanning Tree in Low-Duty-Cycle Wireless Sensor Networks. *Yan, F., +, LWC April* 2018 270-273

Search problems

- Bit-Level Reduced Neighborhood Search for Low-Complexity Detection in Large MIMO Systems. *Mann, P., +, LWC April 2018 146-149* Device Caching for Network Offloading: Delay Minimization With Pres-
- ence of User Mobility. Deng, T., +, LWC Aug. 2018 558-561
- Fast Millimeter Wave Assisted Beam-Steering for Passive Indoor Optical Wireless Networks. *Torres Vega, M.*, +, *LWC April 2018 278-281*
- Sidelobe Exploitation for Beam Discovery in Line of Sight Millimeter Wave Systems. Jasim, M., +, LWC April 2018 234-237

Security

On Physical Layer Security of Double Rayleigh Fading Channels for Vehicular Communications. Ai, Y., +, LWC Dec. 2018 1038-1041

Sensitivity

LoRa Transceiver With Improved Characteristics. Jovalekic, N., +, LWC Dec. 2018 1058-1061

Sensor fusion

Quantizer Design for Generalized Locally Optimum Detectors in Wireless Sensor Networks. *Ciuonzo, D.*, +, *LWC April 2018 162-165*

Sensor placement

Target Localization Using Sensor Location Knowledge in Wireless Sensor Networks. Wei, C., +, LWC June 2018 456-459

Sensors

- A Uniform-Forcing Transceiver Design for Over-the-Air Function Computation. Chen, L., +, LWC Dec. 2018 942-945
- Signal classification
 - Automatic Modulation Classification for D-STBC Cooperative Relaying Networks. *Tayakout, H., +, LWC Oct. 2018* 780-783
 - Channel Access Method Classification for Cognitive Radio Applications. Laghate, M., +, LWC Feb. 2018 70-73
 - Data Driven Automatic Modulation Classification via Dictionary Learning. Zhang, K., +, LWC Aug. 2018 586-589

Signal denoising

Deep Learning-Based Channel Estimation for Beamspace mmWave Massive MIMO Systems. *He*, *H.*, +, *LWC Oct. 2018 852-855*

Signal detection

- A Theoretical Analysis of Asymptotical Performance of Cooperative Spectrum Sensing in the Presence of Malicious Users. *Benedetto, F.,* +, *LWC June 2018 380-383*
- Automatic Modulation Recognition for Phase Shift Keying Signals With Compressive Measurements. Xie, L., +, LWC April 2018 194-197
- Differential 16-QAM and 16-APSK for Uplink Massive MIMO Systems. Wei, R., +, LWC April 2018 170-173
- Energy Detection in Full-Duplex Systems With Residual RF Impairments Over Fading Channels. *Boulogeorgos, A.A., +, LWC April 2018 246-249* Jamming Detection in Massive MIMO Systems. *Akhlaghpasand, H., +, LWC April 2018 242-245*
- Massive BLAST: An Architecture for Realizing Ultra-High Data Rates for Large-Scale MIMO. *Shental*, *O*., +, *LWC June 2018 404-407*
- Power of Deep Learning for Channel Estimation and Signal Detection in OFDM Systems. Ye, H., +, LWC Feb. 2018 114-117
- Quantizer Design for Generalized Locally Optimum Detectors in Wireless Sensor Networks. *Ciuonzo, D.*, +, *LWC April 2018 162-165*

Signal processing

Noise-Aided Demodulation With One-Bit Comparator for Multilevel Pulse-Amplitude-Modulated Signals. *Nakashima, Y.*, +, *LWC Oct. 2018* 848-851

Signal reconstruction

A Frequency-Domain SPICE Approach to High-Resolution Time Delay Estimation. Park, H., +, LWC June 2018 360-363

Compressive Sensing-Based Multiuser Detection via Iterative Reweighed Approach in M2M Communications. *Zhang, X., +, LWC Oct. 2018* 764-767

Low-Complexity Compressive Spectrum Sensing for Large-Scale Real-Time Processing. Zhang, X., +, LWC Aug. 2018 674-677

Signal sampling

Low-Complexity Compressive Spectrum Sensing for Large-Scale Real-Time Processing. Zhang, X., +, LWC Aug. 2018 674-677 Signal to noise ratio

- A Hybrid Digital-Analog Chaotic Code. Yu, W., +, LWC Dec. 2018 930-933
 - Adaptive Windowing for ICI Mitigation in Vehicular Communications. Vlachos, E., +, LWC Dec. 2018 974-977
 - Approximation of Meta Distribution and its Moments for Poisson Cellular Networks. Guruacharya, S., +, LWC Dec. 2018 1074-1077
 - Compute-and-Forward for Uplink Non-Orthogonal Multiple Access. Guo, C., +, LWC Dec. 2018 986-989
 - Filter Hopping Based Faster-Than-Nyquist Signaling for Physical Layer Security. *Wang, J.*, +, *LWC Dec. 2018 894-897*
 - Improving Anti-Eavesdropping Ability Without Eavesdropper's CSI: A Practical Secure Transmission Design Perspective. *Zheng, T., +, LWC Dec. 2018 946-949*
 - LoRa Transceiver With Improved Characteristics. Jovalekic, N., +, LWC Dec. 2018 1058-1061
 - Meta Distribution of the Secrecy Rate in the Presence of Randomly Located Eavesdroppers. *Tang, J.*, +, *LWC Aug. 2018 630-633*
 - On Physical Layer Security of Double Rayleigh Fading Channels for Vehicular Communications. *Ai*, *Y*., +, *LWC Dec. 2018 1038-1041*
 - On the Sum of Fisher–Snedecor F Variates and Its Application to Maximal-Ratio Combining. *Badarneh, O.S.*, +, *LWC Dec.* 2018 966-969 Outage Information Rate of Doubly Correlated Multi-Cluster Scattering

MIMO Channels. *Taricco, G.*, +, *LWC Dec. 2018 1042-1045* Outage Performance of NOMA-Based Hybrid Satellite-Terrestrial Relay Networks. *Yan, X.*, +, *LWC Aug. 2018 538-541*

- Power Allocation for Multi-Hop Transmission Using Unsaturated Full-Duplex Relay Network Model. Park, J., +, LWC Dec. 2018 906-909
- Power-Based Broadband RF Interference Detector for Wireless Communication Systems. *Getu, T.M.*, +, *LWC Dec. 2018 1002-1005*
- Simple and Fast PPP-Based Approximation of SIR Distributions in Downlink Cellular Networks. *Takahashi, Y.*, +, *LWC Dec. 2018 898-901*
- SNR-Aware Power Allocation Scheme for Lossy-Forward Relaying Systems. Santos Filho, J.C.S., +, LWC Dec. 2018 1018-1021

The Safety Analysis: Disagreement of Wireless Communication-Based Consensus. *Tedik Basaran, S.*, +, *LWC Dec. 2018 998-1001*

Singular value decomposition

Channel Diagonalization for Cloud Radio Access. *Liu, L., +, LWC Aug.* 2018 622-625

Software defined networking

On Fair Rule Caching in Software Defined Radio Access Networks. Rastegar, S.H., +, LWC June 2018 460-463

Space division multiple access

Limitation of SDMA in Ultra-Dense Small Cell Networks. *Liu, J.*, +, *LWC Aug. 2018 506-509*

Space division multiplexing

When is the Achievable Rate Region Convex in Two-User Massive MIMO Systems?. *Chen*, Z., +, *LWC Oct. 2018 796-799*

Space-time block codes

A Space-Time Transmission Scheme for Large MIMO Systems. M. K., A., LWC Feb. 2018 62-65

Automatic Modulation Classification for D-STBC Cooperative Relaying Networks. *Tayakout, H., +, LWC Oct. 2018 780-783*

Spread spectrum communication

A Frequency-Domain SPICE Approach to High-Resolution Time Delay Estimation. *Park, H., +, LWC June 2018 360-363*

Statistical analysis

- Novel 3-D Irregular-Shaped Geometry-Based Channel Modeling for Semi-Ellipsoid Vehicle-to-Vehicle Scattering Environments. *Jiang, H.*, +, *LWC Oct.* 2018 836-839
- Outage Analysis for Downlink NOMA With Statistical Channel State Information. Wang, X., +, LWC April 2018 142-145

Statistical Modeling-Based Deployment Issue in Cognitive Satellite Terrestrial Networks. *Liang, T., +, LWC April 2018 202-205*

Statistical distributions

- Equi-Coverage Contours in Cellular Networks. Afshang, M., +, LWC Oct. 2018 700-703
- Physical Layer Security in Visible Light Communication Systems With Randomly Located Colluding Eavesdroppers. *Cho, S.*, +, *LWC Oct. 2018* 768-771

Stochastic processes

- Algebraic Analysis of the Poles in the Doppler Spectrum for Vehicle-to-Vehicle Channels. *Walter, M.*, +, *LWC Aug. 2018 662-665*
- Analysis of Multi-Antenna Small Cell Networks Modeled by Gauss– Poisson Process. Peng, X., +, LWC Oct. 2018 704-707
- Area Spectral Efficiency Analysis of Multi-Antenna Networks Modeled by Ginibre Point Process. Chen, G., +, LWC Feb. 2018 6-9
- Coherent Joint Transmission in Downlink Heterogeneous Cellular Networks. Yu, X., +, LWC April 2018 274-277
- Coverage Analysis of Reduced Power Subframes Applied in Heterogeneous Networks With Subframe Misalignment Interference. *Hu*, *H.*, +, *LWC Oct. 2018 752-755*
- Equi-Coverage Contours in Cellular Networks. Afshang, M., +, LWC Oct. 2018 700-703
- Joint Information and Power Transfer in SWIPT-Enabled CRFID Networks. Kim, Y., +, LWC April 2018 186-189
- Learning Oriented Cross-Entropy Approach to User Association in Load-Balanced HetNet. *Huang, X.*, +, *LWC Dec. 2018 1014-1017*
- Novel 3-D Irregular-Shaped Geometry-Based Channel Modeling for Semi-Ellipsoid Vehicle-to-Vehicle Scattering Environments. *Jiang, H., +, LWC Oct. 2018 836-839*
- On the SIR Meta Distribution for Poisson Networks With Interference Cancellation. Wang, Y., +, LWC Feb. 2018 26-29
- Optimal Base Station Deployment with Downlink Rate Coverage Probability Constraint. *Chatterjee, S., +, LWC June 2018 340-343*
- Rate-Based Cell Range Expansion for Downlink Massive MIMO Heterogeneous Networks. *Hattab, G.*, +, *LWC June 2018 296-299*
- Simple and Fast PPP-Based Approximation of SIR Distributions in Downlink Cellular Networks. *Takahashi, Y., +, LWC Dec. 2018 898-901*
- Space-Time Stochastic Rain Fading Channel for Multiple LEO or MEO Satellite Slant Paths. *Kourogiorgas, C.I., +, LWC June 2018 284-287*
- Strategic Densification With UAV-BSs in Cellular Networks. Lagum, F., +, LWC June 2018 384-387
- Success Probability and Area Spectral Efficiency of a VANET Modeled as a Cox Process. *Chetlur, V.V.*, +, *LWC Oct. 2018 856-859*

Support vector machines

Transmit Antenna Selection in MIMO Wiretap Channels: A Machine Learning Approach. *He, D.*, +, *LWC Aug. 2018 634-637*

Synchronization

- Coverage Analysis of Reduced Power Subframes Applied in Heterogeneous Networks With Subframe Misalignment Interference. *Hu*, *H.*, +, *LWC Oct. 2018* 752-755
- On Channel Hopping Sequences With Full Rendezvous Diversity for Cognitive Radio Networks. *Zhang, Y., +, LWC Aug. 2018* 574-577
- One Symbol Blind Synchronization in SIMO Molecular Communication Systems. Luo, Z., +, LWC Aug. 2018 530-533

Т

Telecommunication channels

Sparsity-Aware Ordered Successive Interference Cancellation for Massive Machine-Type Communications. Ahn, J., +, LWC Feb. 2018 134-137

Telecommunication computing

Deep Learning-Based Channel Estimation for Beamspace mmWave Massive MIMO Systems. *He*, *H.*, +, *LWC Oct.* 2018 852-855

NOMA Systems With Content-Centric Multicast Transmission for C-RAN. Lee, S., +, LWC Oct. 2018 828-831

Transmit Antenna Selection in MIMO Wiretap Channels: A Machine Learning Approach. He, D., +, LWC Aug. 2018 634-637

Telecommunication control

Optimal Power Control in Cognitive Satellite Terrestrial Networks With Imperfect Channel State Information. Shi, S., +, LWC Feb. 2018 34-37

Telecommunication network planning

Area Spectral Efficiency Analysis of Multi-Antenna Networks Modeled by Ginibre Point Process. Chen, G., +, LWC Feb. 2018 6-9

On Power-Efficient Planning in Dynamic Small Cell Networks. *Maghsudi*, S., +, LWC June 2018 304-307

Strategic Densification With UAV-BSs in Cellular Networks. Lagum, F., +, LWC June 2018 384-387

Telecommunication network reliability

A Theoretical Analysis of Asymptotical Performance of Cooperative Spectrum Sensing in the Presence of Malicious Users. *Benedetto, F.,* +, *LWC June 2018 380-383*

Adaptive Time Window Linear Regression for Outage Prediction in Q/V Band Satellite Systems. *De Cola*, *T.*, +, *LWC Oct.* 2018 808-811

- Amplify-and-Forward Virtual Full-Duplex Relaying-Based Cooperative NOMA. *Liau, Q.Y., +, LWC June 2018 464-467*
- Contention-Based Access for Ultra-Reliable Low Latency Uplink Transmissions. Singh, B., +, LWC April 2018 182-185
- Impact of Relay's Eavesdropping on Untrusted Amplify-and-Forward Networks Over Nakagami-m Fading. *Ding, F., +, LWC Feb. 2018 102-105* Optimal Satellite Gateway Placement in Space-Ground Integrated Network
- for Latency Minimization With Reliability Guarantee. *Cao*, Y., +, *LWC April 2018 174-177*
- Outage Analysis for Downlink NOMA With Statistical Channel State Information. Wang, X., +, LWC April 2018 142-145
- Outage Analysis of Cognitive Hybrid Satellite-Terrestrial Networks With Hardware Impairments and Multi-Primary Users. *Guo, K.*, +, *LWC Oct.* 2018 816-819

Wireless Energy and Information Transmission in FSO and RF-FSO Links. Makki, B., +, LWC Feb. 2018 90-93

Telecommunication network topology

- Minimizing Latency to Support VR Social Interactions Over Wireless Cellular Systems via Bandwidth Allocation. Park, J., +, LWC Oct. 2018 776-779
- Mixed Nash Equilibria for In-Band Full-Duplex Networks. *Munari, A., +, LWC Aug. 2018 502-505*
- Selfish Attacks in Two-Hop IEEE 802.11 Relay Networks: Impact and Countermeasures. Szott, S., +, LWC Aug. 2018 658-661
- Topological Interference Management Framework for Device-to-Device Communication. *Doumiati, S.*, +, *LWC Aug. 2018 602-605*

Telecommunication networks

Sparsity-Aware Ordered Successive Interference Cancellation for Massive Machine-Type Communications. Ahn, J., +, LWC Feb. 2018 134-137

Telecommunication power management

- Energy Minimization for Cache-Assisted Content Delivery Networks With Wireless Backhaul. Vu, T.X., +, LWC June 2018 332-335
- Energy-Efficient Data Collection in UAV Enabled Wireless Sensor Network. Zhan, C., +, LWC June 2018 328-331
- Iterative Detection and Decoding for Large-Scale Multiple-Antenna Systems With 1-Bit ADCs. *Shao*, Z., +, *LWC June 2018 476-479*
- Joint Channel Resources Allocation and Beamforming in Energy Harvesting Systems. Le, T., +, LWC Oct. 2018 884-887
- Joint Information and Power Transfer in SWIPT-Enabled CRFID Networks. Kim, Y, +, LWC April 2018 186-189
- Jointly Optimal Spatial Channel Assignment and Power Allocation for MIMO SWIPT Systems. *Mishra, D.,* +, *LWC April 2018 214-217*
- Level-Triggered Harvest-Then-Consume Protocol With Two Bits or Less Energy State Information. *Guruacharya*, S., +, *LWC April 2018 150-153*
- Modularity-Based Dynamic Clustering for Energy Efficient UAVs-Aided Communications. Yu, J., +, LWC Oct. 2018 728-731
- Novel Sensor Scheduling Scheme for Intruder Tracking in Energy Efficient Sensor Networks. *Diddigi, R.B., +, LWC Oct. 2018 712-715*

- On Power-Efficient Planning in Dynamic Small Cell Networks. *Maghsudi*, *S.*, +, *LWC June 2018 304-307*
- Optimal Power and Time Allocation for WPCNs With Piece-Wise Linear EH Model. *Pejoski, S., +, LWC June 2018 364-367*
- Retrodirective Large Antenna Energy Beamforming in Backscatter Multi-User Networks. Krikidis, I., LWC Aug. 2018 678-681

Telecommunication scheduling

- Energy-Efficient Data Collection in UAV Enabled Wireless Sensor Network. Zhan, C., +, LWC June 2018 328-331
- Novel Sensor Scheduling Scheme for Intruder Tracking in Energy Efficient Sensor Networks. *Diddigi, R.B., +, LWC Oct. 2018 712-715*
- On Interrelation of Video Streaming Characteristics in Centralized Wireless Networks. *Pastushok, I., +, LWC April 2018 226-229*
- Optimal Time Scheduling for Wireless-Powered Backscatter Communication Networks. Van Huynh, N., +, LWC Oct. 2018 820-823
- When is the Achievable Rate Region Convex in Two-User Massive MIMO Systems?. Chen, Z., +, LWC Oct. 2018 796-799

Telecommunication security

- A (M, m) Authentication Scheme Against Mobile Sink Replicated Attack in Unattended Sensor Networks. Li, S., +, LWC April 2018 250-253
- A Secret-Key-Aided Scheme to Secure Transmissions From Single-Antenna RF-EH Source Nodes. *El Shafie*, A., +, *LWC April 2018 238-241* Jamming Detection in Massive MIMO Systems. *Akhlaghpasand*, H., +,
- LWC April 2018 242-245
- Network Coding for Physical Layer Secrecy. Etemadi Tajbakhsh, S., +, LWC Aug. 2018 642-645
- Novel Sensor Scheduling Scheme for Intruder Tracking in Energy Efficient Sensor Networks. *Diddigi, R.B., +, LWC Oct. 2018 712-715*
- Optimal Full-Rank Signaling Over MIMO Wiretap Channels Under Interference Constraint. Loyka, S., +, LWC Aug. 2018 534-537
- Optimal Power Allocation for Secrecy Rate Maximization in Broadcast Wiretap Channels. Song, H., +, LWC Aug. 2018 514-517
- Physical Layer Security in Visible Light Communication Systems With Randomly Located Colluding Eavesdroppers. *Cho, S.*, +, *LWC Oct. 2018* 768-771
- Receiver Originated Physical-Layer Robust Secure Transmissions in Wireless Systems. Kai, C., +, LWC Feb. 2018 86-89
- Resource Allocations for Secure Cognitive Satellite-Terrestrial Networks. Li, B., +, LWC Feb. 2018 78-81
- Secrecy Rate of Analog Collaborative Beamforming With Virtual Antenna Array Following Spatial Random Distributions. *Jung, H., +, LWC Aug.* 2018 626-629
- Secrecy-Oriented Antenna Assignment Optimization at Full-Duplex Receiver With Self-Interference. *Guo, T., +, LWC Aug. 2018 562-565*
- Secure Beamforming Designs for Secrecy MIMO SWIPT Systems. Zhu, Z., +, LWC June 2018 424-427
- Secure Full-Duplex Two-Way Relaying for SWIPT. Okandeji, A.A., +, LWC June 2018 336-339
- Secure Transmission for MISOME Wiretap Channels With Finite Alphabet Inputs. Cao, K., +, LWC Aug. 2018 570-573
- Security of Grouping-Proof Authentication Protocol for Distributed RFID Systems. Sun, D., +, LWC April 2018 254-257
- Transmit Antenna Selection in MIMO Wiretap Channels: A Machine Learning Approach. He, D., +, LWC Aug. 2018 634-637

Telecommunication switching

Rate and Outage Probability in Dual Band Systems With Prediction-Based Band Switching. *Burghal*, D., +, *LWC Oct.* 2018 872-875

Telecommunication traffic

- A Novel Cell Reconfiguration Technique for Dynamic TDD Wireless Networks. Ardah, K., +, LWC June 2018 320-323
- Coverage Analysis of Reduced Power Subframes Applied in Heterogeneous Networks With Subframe Misalignment Interference. *Hu*, *H.*, +, *LWC Oct. 2018 752-755*
- D2D Communication for Adaptive Streaming Exploiting White Spaces in Transmissions of the Cellular Network. *Roumeliotis, A.J., +, LWC Feb.* 2018 58-61
- Energy Minimization for Cache-Assisted Content Delivery Networks With Wireless Backhaul. Vu, T.X., +, LWC June 2018 332-335
- Fitness-Aware Coded Multicasting for Decentralized Caching With Finite File Packetization. Zhang, N., +, LWC Oct. 2018 740-743
- Mobile Assisted Directional Paging (MADP) in Emerging 5G Wireless Networks. Agiwal, M., +, LWC June 2018 416-419
- On Interrelation of Video Streaming Characteristics in Centralized Wireless Networks. *Pastushok, I., +, LWC April 2018 226-229*
- On Power-Efficient Planning in Dynamic Small Cell Networks. *Maghsudi*, S., +, *LWC June 2018 304-307*

Optimal Sleeping Mechanism for Multiple Servers With MMPP-Based Bursty Traffic Arrival. *Jiang, Z., +, LWC June 2018 436-439*

Selfish Attacks in Two-Hop IEEE 802.11 Relay Networks: Impact and Countermeasures. Szott, S., +, LWC Aug. 2018 658-661

Spatio-Temporal Wireless Traffic Prediction With Recurrent Neural Network. *Qiu, C.*, +, *LWC Aug. 2018 554-557*

Three-dimensional displays

Relationship Between Cross-Polarization Discrimination (XPD) and Spatial Correlation in Indoor Small-Cell MIMO Systems. *Lim, Y.*, +, *LWC Aug. 2018 654-657*

Throughput

Measured Uplink Interference Caused by Aerial Vehicles in LTE Cellular Networks. *Amorim, R.*, +, *LWC Dec. 2018 958-961*

Pre-Processing Images for Enhancing Reliability in Screen-to-Camera Communication. Kim, Y., +, LWC Dec. 2018 934-937

Time division multiple access

Channel Access Method Classification for Cognitive Radio Applications. Laghate, M., +, LWC Feb. 2018 70-73

Time division multiplexing

A Novel Cell Reconfiguration Technique for Dynamic TDD Wireless Networks. Ardah, K., +, LWC June 2018 320-323

Distributed Beamforming in Dynamic TDD MIMO Networks With BS to BS Interference Constraints. *de Olivindo Cavalcante, E.*, +, *LWC Oct.* 2018 788-791

Resource Allocation in Reverse TDD Wireless Backhaul HetNets With 3D Massive Antennas. Niu, J., +, LWC Feb. 2018 30-33

Time series

Space-Time Stochastic Rain Fading Channel for Multiple LEO or MEO Satellite Slant Paths. *Kourogiorgas, C.I., +, LWC June 2018 284-287*

Time-frequency analysis

Active Cancellation of Self-Interference for Full-Duplex Amplify and Forward Wi-Fi Relay. *Shaboyan, S.,* +, *LWC Dec. 2018 1050-1053* Joint Channel Estimation and Multiuser Detection for Uplink Grant-Free NOMA. *Du, Y.,* +, *LWC Aug. 2018 682-685*

Time-of-arrival estimation

Distributed Cooperative Localization for Mobile Wireless Sensor Networks. Salari, S., +, LWC Feb. 2018 18-21

Time-varying channels

Low Complexity Modem Structure for OFDM-Based Orthogonal Time Frequency Space Modulation. *Farhang, A.*, +, *LWC June 2018 344-347*

Training

Deep Neural Networks for Linear Sum Assignment Problems. Lee, M., +, LWC Dec. 2018 962-965

Transceivers

A Novel Spectrum Sharing Scheme Assisted by Secondary NOMA Relay. Chen, B., +, LWC Oct. 2018 732-735

A Uniform-Forcing Transceiver Design for Over-the-Air Function Computation. Chen, L., +, LWC Dec. 2018 942-945

LoRa Transceiver With Improved Characteristics. Jovalekic, N., +, LWC Dec. 2018 1058-1061

Transforms

Efficient Calculation of Meta Distributions and the Performance of User Percentiles. *Haenggi, M., LWC Dec. 2018* 982-985

Interference-Free Criterion for Interference-Unaware Receive Transform in MIMO Co-Channel Interference. *Wang, J.T., LWC April 2018 210-213*

Transient response

A Convex Approach to Blind MIMO Communications. Ahmed, A., LWC Oct. 2018 812-815

Transmission line matrix methods

Over-Sampling Codebook-Based Hybrid Minimum Sum-Mean-Square-Error Precoding for Millimeter-Wave 3D-MIMO. *Mao*, *J.*, +, *LWC Dec*. 2018 938-941

Transmission lines

On the Statistical Properties of Constant Envelope Quantizers. *Jedda, H.*, +, *LWC Dec. 2018 1006-1009*

Transmitters

Filter Hopping Based Faster-Than-Nyquist Signaling for Physical Layer Security. Wang, J., +, LWC Dec. 2018 894-897

Improving Anti-Eavesdropping Ability Without Eavesdropper's CSI: A Practical Secure Transmission Design Perspective. *Zheng, T., +, LWC Dec. 2018 946-949*

OFDM With Subcarrier Number Modulation. Jaradat, A.M., +, LWC Dec. 2018 914-917

Transmitting antennas

A Space-Time Transmission Scheme for Large MIMO Systems. M. K., A., LWC Feb. 2018 62-65

Estimation of MIMO Transmit-Antenna Number Using Higher-Order Moments-Based Hypothesis Testing. *Li*, *T*., +, *LWC April 2018 258-261* Joint Transmit Beamforming and Antenna Selection in MIMO Systems.

Zhao, M., +, LWC Oct. 2018 716-719 Transmit Antenna Selection in MIMO Wiretap Channels: A Machine

Learning Approach. He, D., +, LWC Aug. 2018 634-637

X-Duplex Radios: Flexible Switching Between Full-Duplex and Half-Duplex. Yao, C., +, LWC Feb. 2018 94-97

Transport protocols

Optimal Power and Time Allocation for WPCNs With Piece-Wise Linear EH Model. *Pejoski, S.*, +, *LWC June 2018 364-367*

Tree searching

Novel Sensor Scheduling Scheme for Intruder Tracking in Energy Efficient Sensor Networks. *Diddigi, R.B., +, LWC Oct. 2018 712-715*

Trees (mathematics)

Flooding With Network Coding Under a Schedule-Based Spanning Tree in Low-Duty-Cycle Wireless Sensor Networks. *Yan, F., +, LWC April* 2018 270-273

Trellis coded modulation

TCM for OFDM-IM. Choi, J., +, LWC Feb. 2018 50-53

Turbo codes

Low-Cost Implementation Techniques for Interleave Division Multiple Access. Hu, Y, +, LWC Dec. 2018 1026-1029

U

Uncertainty

- Connectivity Information-Aided Belief Propagation for Cooperative Localization. Kim, H., +, LWC Dec. 2018 1010-1013
- On Physical Layer Security of Double Rayleigh Fading Channels for Vehicular Communications. Ai, Y., +, LWC Dec. 2018 1038-1041

Robust Transmission in Non-Orthogonal Multiple Access AF Relay Networks. Zhao, S., +, LWC Dec. 2018 1078-1081

Uplink

Compute-and-Forward for Uplink Non-Orthogonal Multiple Access. *Guo*, *C.*, +, *LWC Dec.* 2018 986-989

Joint Admission Control and Resource Allocation for Multi-Carrier Uplink NOMA Networks. *Zhai, D.*, +, *LWC Dec. 2018 922-925*

Measured Uplink Interference Caused by Aerial Vehicles in LTE Cellular Networks. Amorim, R., +, LWC Dec. 2018 958-961

Power Allocation and User Clustering for Uplink MC-NOMA in D2D Underlaid Cellular Networks. *Zheng, H.*, +, *LWC Dec. 2018 1030-1033*

Uplink Transmissions in URLLC Systems With Shared Diversity Resources. *Kotaba, R., +, LWC Aug. 2018 590-593*

Urban areas

An Algorithm of Efficient Proactive Placement of Autonomous Drones for Maximum Coverage in Cellular Networks. *Huang, H., +, LWC Dec.* 2018 994-997

Suburban Residential Building Penetration Loss at 28 GHz for Fixed Wireless Access. Du, J., +, LWC Dec. 2018 890-893

V

Vector quantization

- Algebraic Analysis of the Poles in the Doppler Spectrum for Vehicle-to-Vehicle Channels. *Walter, M.*, +, *LWC Aug. 2018 662-665*
- Bit-Level Reduced Neighborhood Search for Low-Complexity Detection in Large MIMO Systems. *Mann, P.*, +, *LWC April 2018 146-149*
- Joint Channel Estimation and Multiuser Detection for Uplink Grant-Free NOMA. Du, Y., +, LWC Aug. 2018 682-685
- Joint Channel Resources Allocation and Beamforming in Energy Harvesting Systems. Le, T., +, LWC Oct. 2018 884-887
- Sparsity-Aware Ordered Successive Interference Cancellation for Massive Machine-Type Communications. Ahn, J., +, LWC Feb. 2018 134-137
- The Golden Quantizer: The Complex Gaussian Random Variable Case. Larsson, P., +, LWC June 2018 312-315

Vehicular ad hoc networks

- Algebraic Analysis of the Poles in the Doppler Spectrum for Vehicle-to-Vehicle Channels. *Walter, M.*, +, *LWC Aug. 2018 662-665*
- Novel 3-D Irregular-Shaped Geometry-Based Channel Modeling for Semi-Ellipsoid Vehicle-to-Vehicle Scattering Environments. *Jiang, H., +, LWC Oct. 2018 836-839*
- On Physical Layer Security of Double Rayleigh Fading Channels for Vehicular Communications. *Ai*, *Y*., +, *LWC Dec. 2018 1038-1041*

Success Probability and Area Spectral Efficiency of a VANET Modeled as a Cox Process. *Chetlur, V.V.*, +, *LWC Oct. 2018 856-859*

Video streaming

On Interrelation of Video Streaming Characteristics in Centralized Wireless Networks. Pastushok, I., +, LWC April 2018 226-229

Virtual reality

Minimizing Latency to Support VR Social Interactions Over Wireless Cellular Systems via Bandwidth Allocation. *Park, J.*, +, *LWC Oct. 2018* 776-779

W

Web and internet services

An Algorithm of Efficient Proactive Placement of Autonomous Drones for Maximum Coverage in Cellular Networks. *Huang, H., +, LWC Dec.* 2018 994-997

Wiener filters

On the Statistical Properties of Constant Envelope Quantizers. *Jedda, H.*, +, *LWC Dec. 2018 1006-1009*

Wireless channels

- A Novel Price-Based Power Allocation Algorithm in Non-Orthogonal Multiple Access Networks. Wang, Z., +, LWC April 2018 230-233
- Algebraic Analysis of the Poles in the Doppler Spectrum for Vehicle-to-Vehicle Channels. *Walter, M.*, +, *LWC Aug. 2018 662-665*
- Amplify-and-Forward Virtual Full-Duplex Relaying-Based Cooperative NOMA. *Liau*, *Q.Y.*, +, *LWC June 2018 464-467*
- Beam Steering for the Misalignment in UCA-Based OAM Communication Systems. Chen, R., +, LWC Aug. 2018 582-585
- Channel Feedback Codebook Design for Millimeter-Wave Massive MIMO Systems Relying on Lens Antenna Array. *Shen, W.*, +, *LWC Oct. 2018* 736-739
- Cooperative Transmission in Small Cell Networks Using Network Coding. Zhan, C., +, LWC Aug. 2018 510-513
- Correction Factor for Analysis of MIMO Wireless Networks With Highly Directional Beamforming. *Kulkarni, M.N.*, +, *LWC Oct. 2018 756-759*

Deep Learning for Massive MIMO CSI Feedback. Wen, C., +, LWC Oct. 2018 748-751

- Deep Learning-Based Channel Estimation for Beamspace mmWave Massive MIMO Systems. *He, H., +, LWC Oct. 2018 852-855*
- Distributed Beamforming in Dynamic TDD MIMO Networks With BS to BS Interference Constraints. *de Olivindo Cavalcante, E., +, LWC Oct.* 2018 788-791
- Dual Carrier Modulation in Channel Aggregation for 60 GHz WLAN Systems. *Wu, T.*, +, *LWC Oct. 2018 792-795*
- Environment-Aware Drone-Base-Station Placements in Modern Metropolitans. *Bor-Yaliniz, I.*, +, *LWC June 2018 372-375*
- Joint Channel Resources Allocation and Beamforming in Energy Harvesting Systems. Le, T., +, LWC Oct. 2018 884-887
- Joint Information and Power Transfer in SWIPT-Enabled CRFID Networks. Kim, Y., +, LWC April 2018 186-189
- Jointly Optimal Spatial Channel Assignment and Power Allocation for MIMO SWIPT Systems. *Mishra*, D., +, LWC April 2018 214-217
- Low Complexity Modem Structure for OFDM-Based Orthogonal Time Frequency Space Modulation. Farhang, A., +, LWC June 2018 344-347
- Mixed Nash Equilibria for In-Band Full-Duplex Networks. *Munari, A.*, +, *LWC Aug. 2018 502-505*
- Modeling Cellular-to-UAV Path-Loss for Suburban Environments. *Al-Hourani, A.*, +, *LWC Feb. 2018 82-85*
- Multichannel Selection for Cognitive Radio Networks With RF Energy Harvesting. Xu, M., +, LWC April 2018 178-181
- Network Coding for Physical Layer Secrecy. Etemadi Tajbakhsh, S., +, LWC Aug. 2018 642-645
- Novel 3-D Irregular-Shaped Geometry-Based Channel Modeling for Semi-Ellipsoid Vehicle-to-Vehicle Scattering Environments. *Jiang, H., +, LWC Oct.* 2018 836-839
- On Channel Hopping Sequences With Full Rendezvous Diversity for Cognitive Radio Networks. *Zhang, Y., +, LWC Aug. 2018 574-577*

- Optimal Design of Resource Element Mapping for Sparse Spreading Non-Orthogonal Multiple Access. Yu, H., +, LWC Oct. 2018 744-747
- Optimal Power and Rate Allocation in Superposition Transmission With Successive Noise Signal Sharing Toward Zero Intercept Probability. *Choi, Y.*, +, *LWC Oct.* 2018 824-827
- Outage Analysis of Cognitive Hybrid Satellite-Terrestrial Networks With Hardware Impairments and Multi-Primary Users. *Guo, K.*, +, *LWC Oct.* 2018 816-819
- Power and Interference Regulated Water-Filling for Multi-Tier Multi-Carrier Interference Aware Uplink. *Yuksekkaya, B.*, +, *LWC Aug. 2018* 494-497
- Rate-Based Cell Range Expansion for Downlink Massive MIMO Heterogeneous Networks. *Hattab, G.*, +, *LWC June 2018 296-299*
- Resource Allocations for Secure Cognitive Satellite-Terrestrial Networks. Li, B., +, LWC Feb. 2018 78-81
- Secrecy-Oriented Antenna Assignment Optimization at Full-Duplex Receiver With Self-Interference. Guo, T., +, LWC Aug. 2018 562-565
- Secure Beamforming Designs for Secrecy MIMO SWIPT Systems. Zhu, Z., +, LWC June 2018 424-427
- Spatio-Temporal Wireless Traffic Prediction With Recurrent Neural Network. Qiu, C., +, LWC Aug. 2018 554-557
- Thresholds Optimization for One-Bit Feedback Multi-User Scheduling. Hafez, M., +, LWC Aug. 2018 646-649
- Transceiver Design for MIMO Full-Duplex Two-Way Relay Network. *Ayir*, *N*., +, *LWC Oct. 2018* 772-775
- Transmit Antenna Selection in MIMO Wiretap Channels: A Machine Learning Approach. He, D., +, LWC Aug. 2018 634-637
- Wireless communication
 - A Uniform-Forcing Transceiver Design for Over-the-Air Function Computation. Chen, L, +, LWC Dec. 2018 942-945
 - An Energy-Efficient Network-Wide Broadcast Protocol for Asynchronous Wireless Sensor Networks. Wang, X., +, LWC Dec. 2018 918-921
 - Delay Analysis of Random Scheduling and Round Robin in Small Cell Networks. *Yang, H.H., +, LWC Dec. 2018 978-981*
 - On Physical Layer Security of Double Rayleigh Fading Channels for Vehicular Communications. *Ai*, *Y*., +, *LWC Dec. 2018 1038-1041*
 - On the Statistical Properties of Constant Envelope Quantizers. *Jedda, H.,* +, *LWC Dec. 2018 1006-1009*
 - Resource Allocation in NOMA Virtualized Wireless Networks Under Statistical Delay Constraints. Sinaie, M., +, LWC Dec. 2018 954-957
 - Suburban Residential Building Penetration Loss at 28 GHz for Fixed Wireless Access. Du, J., +, LWC Dec. 2018 890-893
 - The Safety Analysis: Disagreement of Wireless Communication-Based Consensus. *Tedik Basaran, S.*, +, *LWC Dec. 2018 998-1001*

Wireless fidelity

Active Cancellation of Self-Interference for Full-Duplex Amplify and Forward Wi-Fi Relay. *Shaboyan, S., +, LWC Dec. 2018 1050-1053*

Wireless LAN

Dual Carrier Modulation in Channel Aggregation for 60 GHz WLAN Systems. *Wu*, *T.*, +, *LWC Oct. 2018 792-795*

Selfish Attacks in Two-Hop IEEE 802.11 Relay Networks: Impact and Countermeasures. Szott, S., +, LWC Aug. 2018 658-661

Wireless networks

Centralized Trust-Based Secure Routing in Wireless Networks. Yun, J., +, LWC Dec. 2018 1066-1069

Connectivity Information-Aided Belief Propagation for Cooperative Localization. Kim, H., +, LWC Dec. 2018 1010-1013

Efficient Calculation of Meta Distributions and the Performance of User Percentiles. *Haenggi, M., LWC Dec. 2018 982-985*

Wireless sensor networks

- A (M, m) Authentication Scheme Against Mobile Sink Replicated Attack in Unattended Sensor Networks. Li, S., +, LWC April 2018 250-253
- A Uniform-Forcing Transceiver Design for Over-the-Air Function Computation. Chen, L., +, LWC Dec. 2018 942-945
- Aerial Anchors Positioning for Reliable RSS-Based Outdoor Localization in Urban Environments. *Sallouha, H., +, LWC June 2018 376-379*
- An Energy-Efficient Network-Wide Broadcast Protocol for Asynchronous Wireless Sensor Networks. *Wang, X., +, LWC Dec. 2018 918-921*
- Distributed Cooperative Localization for Mobile Wireless Sensor Networks. Salari, S., +, LWC Feb. 2018 18-21
- Energy-Efficient Data Collection in UAV Enabled Wireless Sensor Network. Zhan, C., +, LWC June 2018 328-331
- Flooding With Network Coding Under a Schedule-Based Spanning Tree in Low-Duty-Cycle Wireless Sensor Networks. *Yan, F., +, LWC April* 2018 270-273
- Improved Algebraic Solution for Source Localization From TDOA and FDOA Measurements. *Noroozi, A., +, LWC June 2018 352-355*

- Level-Triggered Harvest-Then-Consume Protocol With Two Bits or Less Energy State Information. *Guruacharya, S., +, LWC April 2018 150-153* Multiple Packet Transmissions in Duty Cycling WSNs: A DTMC-Based Throughput Analysis. *Guntupalli, L., +, LWC June 2018 480-483*
- New RSSI-Based Tracking for Following Mobile Targets Using the Law of Cosines. *Lagias, A.E., +, LWC June 2018 392-395*
- Novel Sensor Scheduling Scheme for Intruder Tracking in Energy Efficient

Sensor Networks. Diddigi, R.B., +, LWC Oct. 2018 712-715

- Quantizer Design for Generalized Locally Optimum Detectors in Wireless Sensor Networks. *Ciuonzo, D., +, LWC April 2018 162-165*
- Spatio-Temporal Compressive Sensing-Based Data Gathering in Wireless Sensor Networks. Li, X., +, LWC April 2018 198-201
- Target Localization Using Sensor Location Knowledge in Wireless Sensor Networks. Wei, C., +, LWC June 2018 456-459