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This index covers all technical items — papers, correspondence, reviews, etc. — that appeared in this periodical during 2013, and items from previous years that were commented upon or corrected in 2013. 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.

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Cheung, Man Hon, and Wong, Vincent W.S., Interference Pricing for SINR-Based Random Access Game; *TWC May 2013 2292-2301*
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Cho, Dong-Ho, *see* Lee, Kisong, *TWC November 2013 5520-5528*
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Choi, Jinho, Energy-Delay Tradeoff Comparison of Transmission Schemes with Limited CSI Feedback; *TWC April 2013 1762-1773*
Choi, Jinho, To, Duc, Wu, Ye, and Xu, Shugong, Energy-Delay Tradeoff for Wireless Relay Systems Using HARQ with Incremental Redundancy; *TWC February 2013 561-573*
Choi, Jinho, Xing, Weixi, To, Duc, Wu, Ye, and Xu, Shugong, On the Energy Efficiency of a Relaying Protocol with HARQ-IR and Distributed Cooperative Beamforming; *TWC February 2013 769-781*
Choi, Jinho, *see* Bai, Lin, *TWC May 2013 2160-2170*
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Choi, Wan, *see* Song, Hojin, *TWC April 2013 1594-1605*
Choi, Yang-Seok, and Shirani-Mehr, Hooman, Simultaneous Transmission and Reception: Algorithm, Design and System Level Performance; *TWC December 2013 5992-6010*
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Chopra, Aditya, and Evans, Brian L., Outage Probability for Diversity Combining in Interference-Limited Channels; *TWC February 2013 550-560*
Chou, Kuan-Hung, and Lin, Woei, Performance Analysis of Packet Aggregation for IEEE 802.11 PCF MAC-Based Wireless Networks; *TWC April 2013 1441-1447*
Chraiti, Mohaned, Hakim, Hela, Ajib, Wessam, and Boujemaa, Hatem, Spectrum Sharing Techniques for Broadcast Cognitive Radio Networks; *TWC November 2013 5880-5888*
Chua, Kee-Chaing, *see* Liu, Liang, *TWC January 2013 288-300*
Chuang, Ming-Chin, and Chen, Meng Chang, DEEP: Density-Aware Emergency Message Extension Protocol for VANETs; *TWC October 2013 4983-4993*

Chun, Young Jin, Kim, Dong In, and Kim, Sang Wu, Optimization of Network Coded MIMO Transmission in Multiple-Access Relay Network; *TWC May 2013 2436-2444*
Chung, Jong-Moon, Moon, Sunghwan, and Kim, Minseok, Broadcast Scheduling for Wireless Mesh Networks Based on Transmission Demand; *TWC February 2013 606-615*
Chung, Pei-Jung, *see* Huang, Qi, *TWC August 2013 4072-4079*
Chung, Wei-Ho, *see* Chang, Ronald Y., *TWC August 2013 3956-3967*
Chung, Wei-Ho, Sequential Likelihood Ratio Test under Incomplete Signal Model for Spectrum Sensing; *TWC February 2013 494-503*
Cierny, Michal, Wang, Haining, Wichman, Risto, Ding, Zhi, and Wijting, Carl, On Number of Almost Blank Subframes in Heterogeneous Cellular Networks; *TWC October 2013 5061-5073*
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Clerckx, Bruno, *see* Park, Jaehyun, *TWC August 2013 4210-4221*
Clerckx, Bruno, Lee, Heunchul, Hong, Young-Jun, and Kim, Gil, A Practical Cooperative Multicell MIMO-OFDMA Network Based on Rank Coordination; *TWC April 2013 1481-1491*
Cocco, Giuseppe, Gunduz, Deniz, and Ibars, Christian, Streaming Transmission over Block Fading Channels with Delay Constraint; *TWC September 2013 4315-4327*
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Collings, Iain B., *see* Egan, Malcolm, *TWC August 2013 3710-3721*
Coluccia, Angelo, Reduced-Bias ML-Based Estimators with Low Complexity for Self-Calibrating RSS Ranging; *TWC March 2013 1220-1230*
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Cruz-Roldan, Fernando, Dominguez-Jimenez, M. Elena, Vidal, Gabriela Sansigre, Pineiro-Ave, Jose, and Blanco-Velasco, Manuel, Single-Carrier and Multicarrier Transceivers Based on Discrete Cosine Transform Type-IV; *TWC December 2013 6454-6463*
Cui, Hao, Luo, Chong, Wu, Jun, Chen, Chang Wen, and Wu, Feng, Compressive Coded Modulation for Seamless Rate Adaptation; *TWC October 2013 4892-4904*
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Cui, Ying, Lau, Vincent K. N., and Huang, Huang, Dynamic Partial Cooperative MIMO System for Delay-Sensitive Applications with Limited Backhaul Capacity; *TWC November 2013 5889-5895*
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D'Amico, Antonio A., Taponecco, Lorenzo, and Mengali, Umberto, Ultra-Wideband TOA Estimation in the Presence of Clock Frequency Offset; *TWC April 2013 1606-1616*
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Dai, Lin, Toward a Coherent Theory of CSMA and Aloha; *TWC July 2013 3428-3444*
Dai, Lin, *see* Gao, Yayu, *TWC January 2013 398-411*
Dai, Mingjun, Kwan, Ho Yuet, and Sung, Chi Wan, Linear Network Coding Strategies for the Multiple Access Relay Channel with Packet Erasures; *TWC January 2013 218-227*
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Dainelli, Giulio, *see* Moretti, Marco, *TWC February 2013 748-757*
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de Lamare, Rodrigo C., Adaptive and Iterative Multi-Branch MMSE Decision Feedback Detection Algorithms for Multi-Antenna Systems; *TWC October 2013 5294-5308*
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Derpich, M., *see* Ahumada, L., *TWC June 2013 2830-2839*
Dhillon, Harpreet S., Huang, Howard C., Viswanathan, Harish, and Valenzuela, Reinaldo A., Power-Efficient System Design for Cellular-Based Machine-to-Machine Communications; *TWC November 2013 5740-5753*
Dhillon, Harpreet S., *see* Novlan, Thomas D., *TWC June 2013 2669-2679*
Dhillon, Harpreet S., Ganti, Radha Krishna, and Andrews, Jeffrey G., Load-Aware Modeling and Analysis of Heterogeneous Cellular Networks; *TWC April 2013 1666-1677*
Dhillon, Harpreet S., *see* Singh, Sarabjot, *TWC May 2013 2484-2497*
Dhillon, Harpreet S., Kountouris, Marios, and Andrews, Jeffrey G., Downlink MIMO HetNets: Modeling, Ordering Results and Performance Analysis; *TWC October 2013 5208-5222*
Di Renzo, Marco, Iezzi, Michela, and Graziosi, Fabio, Error Performance and Diversity Analysis of Multi-Source Multi-Relay Wireless Networks with Binary Network Coding and Cooperative MRC; *TWC June 2013 2883-2903*
Di Stasi, Giovanni, *see* Avallone, Stefano, *TWC August 2013 3968-3979*
Ding, Guoru, *see* Wu, Qihui, *TWC February 2013 516-526*
Ding, Haichuan, Ma, Shaodan, Xing, Chengwen, Fei, Zesong, Zhou, Yiqing, and Chen, C. L. Philip, Analysis of Hybrid ARQ in Ad Hoc Networks with Correlated Interference and Feedback Errors; *TWC August 2013 3942-3955*
Ding, Jianwen, *see* He, Ruisi, *TWC February 2013 794-805*
Ding, Lei, Gao, Kanke, Melodia, Tommaso, Batalama, Stella N., Pados, Dimitris A., and Matyjas, John D., All-Spectrum Cognitive Networking through Joint Distributed Channelization and Routing; *TWC November 2013 5394-5405*
Ding, Yanwu, *see* Eghbali, Homa, *TWC May 2013 2034-2045*
Ding, Yuehua, Wang, Yide, Diouris, Jean-Francois, and Yao, Zhiqiang, Robust Fixed-Complexity Sphere Decoders for Rank-Deficient MIMO Systems; *TWC September 2013 4297-4305*
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Dixit, Dharmendra, and Sahu, P. R., Performance of QAM Signaling over TWDP Fading Channels; *TWC April 2013 1794-1799*
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Du, Guanglong, *see* Li, Bin, *TWC February 2013 504-515*
Du, Jian, and Wu, Yik-Chung, Distributed Clock Skew and Offset Estimation in Wireless Sensor Networks: Asynchronous Algorithm and Convergence Analysis; *TWC November 2013 5908-5917*
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E

Egan, Malcolm, Sung, Chang Kyung, and Collings, Iain B., Structured and Sparse Limited Feedback Codebooks for Multiuser MIMO; *TWC August 2013 3710-3721*
Egan, Malcolm, Yeoh, Phee Lep, Elkashlan, Maged, and Collings, Iain B., A New Cross-Layer User Scheduler for Wireless Multimedia Relay Networks; *TWC January 2013 301-311*
Eghbali, Homa, Muhaidat, Sami, Hejazi, Seyed Amin, and Ding, Yanwu, Relay Selection Strategies for Single-Carrier Frequency-Domain Equalization Multi-Relay Cooperative Networks; *TWC May 2013 2034-2045*
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Elsherif, Ahmed R., Ding, Zhi, Liu, Xin, and Hamalainen, Jyri, Resource Allocation in Two-Tier Heterogeneous Networks through Enhanced Shadow Chasing; *TWC December 2013 6439-6453*
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F

Fang, Jun, Li, Hongbin, Chen, Zhi, and Gong, Yu, Joint Precoder Design for Distributed Transmission of Correlated Sources in Sensor Networks; *TWC June 2013 2918-2929*
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Fyhn, Karsten, Jensen, Tobias L., Larsen, Torben, and Jensen, Soren Holdt, Compressive Sensing for Spread Spectrum Receivers; *TWC May 2013 2334-2343*

G

Gaaloul, Fakhreddine, Radaydeh, Redha M., and Alouini, Mohamed-Slim, Performance Improvement of Switched-Based Interference Mitigation for Channel Assignment in Over-Loaded Small-Cell Networks; *TWC May 2013 2091-2103*
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Ganesan, Rakash SivaSiva, Al-Shatri, Hussein, Kuehne, Alexander, Weber, Tobias, and Klein, Anja, Pair-Aware Interference Alignment in Multi-User Two-Way Relay Networks; *TWC August 2013 3662-3671*
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Gao, Yang, *see* Jiang, Chunxiao, *TWC May 2013 2470-2483*
Gao, Yayu, Sun, Xinghua, and Dai, Lin, Throughput Optimization of Heterogeneous IEEE 802.11 DCF Networks; *TWC January 2013 398-411*
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Gau, Rung-Hung, and Cheng, Ching-Pei, Optimal Tree Pruning for Location Update in Machine-to-Machine Communications; *TWC June 2013 2620-2632*
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George, Yaniv, Bergel, Itsik, and Zehavi, Ephraim, The Ergodic Rate Density of ALOHA Wireless Ad-Hoc Networks; *TWC December 2013 6340-6351*
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Ghaffar, Rizwan, Salim, Umer, Ho, Pin-Han, and Wen, Hong, On Managing Interferences under Heterogeneous CSIT Feedback for Multi-User Transmission; *TWC February 2013 828-839*
Ghimire, Jagadish, and Rosenberg, Catherine, Resource Allocation, Transmission Coordination and User Association in Heterogeneous Networks: A Flow-Based Unified Approach; *TWC March 2013 1340-1351*
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Gkelias, Athanasios, *see* Tychogiorgos, Georgios, *TWC September 2013 4286-4296*
Godana, Bruhtesfa E., Ekman, Torbjorn, and Kansanen, Kimmo, Partial Equivalent Channel Inversion Based Precoding with Mode Adaptation in Multiuser MIMO Systems; *TWC July 2013 3533-3543*
Godana, Bruhtesfa E., and Ekman, Torbjorn, Parametrization Based Limited Feedback Design for Correlated MIMO Channels Using New Statistical Models; *TWC October 2013 5172-5184*
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Gokceoglu, Ahmet, Zou, Yaning, Valkama, Mikko, Sofotasios, Paschalis C., Mathecken, Pramod, and Cabric, Danijela, Mutual Information Analysis of OFDM Radio Link Under Phase Noise, IQ Imbalance and Frequency-Selective Fading Channel; *TWC June 2013 3048-3059*
Goldsmith, Andrea, *see* Thian, Boon Sim, *TWC August 2013 3783-3795*
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Golkar, Bijan, and Sousa, Elvino S., Resource Allocation in Autonomous Cellular Networks; *TWC November 2013 5572-5583*
Gomez-Cuba, F., Asorey-Cacheda, R., Gonzalez-Castano, F. J., and Huang, H., Application of Cooperative Diversity to Cognitive Radio Leasing: Model and Analytical Characterization of Resource Gains; *TWC January 2013 40-49*
Gong, Feng-Kui, Zhang, Jian-Kang, and Ge, Jian-Hua, Novel Distributed Quasi-Orthogonal Space-Time Block Codes for Two-Way Two-Antenna Relay Networks; *TWC September 2013 4338-4349*
Gong, Shimin, Wang, Ping, and Huang, Jianwei, Robust Performance of Spectrum Sensing in Cognitive Radio Networks; *TWC May 2013 2217-2227*
Gong, Xiaowen, *see* Tang, Ling, *TWC March 2013 1279-1289*
Gong, Xitao, Ispas, Adrian, Dartmann, Guido, and Ascheid, Gerd, Power Allocation and Performance Analysis in Spectrum Sharing Systems with Statistical CSI; *TWC April 2013 1819-1831*
Gong, Yu, *see* Fang, Jun, *TWC June 2013 2918-2929*
Gong, Zhenhua, and Haenggi, Martin, The Local Delay in Mobile Poisson Networks; *TWC September 2013 4766-4777*
Gonzalez G, David, Garcia-Lozano, Mario, Ruiz Boque, Silvia, and Lee, Dong Seop, Optimization of Soft Frequency Reuse for Irregular LTE Macrocellular Networks; *TWC May 2013 2410-2423*
Gonzalez-Castano, F. J., *see* Gomez-Cuba, F., *TWC January 2013 40-49*
Gopalakrishnan, Balasubramanian, and Sidiropoulos, Nicholas D., Joint Back-Pressure Power Control and Interference Cancellation in Wireless Multi-Hop Networks; *TWC July 2013 3484-3495*
Gorce, Jean-Marie, *see* Wang, Lusheng, *TWC January 2013 123-133*
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Graziosi, Fabio, *see* Di Renzo, Marco, *TWC June 2013 2883-2903*
Gregori, Maria, and Payaro, Miquel, Energy-Efficient Transmission for Wireless Energy Harvesting Nodes; *TWC March 2013 1244-1254*
Gu, Yu, *see* Cheng, Peng, *TWC June 2013 3072-3084*
Guan, Kyle, *see* Zhang, Weiwen, *TWC September 2013 4569-4581*
Guan, Wei, and Liu, K. J. Ray, Diversity Analysis of Analog Network Coding with Multi-User Interferences; *TWC February 2013 668-679*
Guan, Wei, and Liu, K. J. Ray, Diversity Analysis of Non-Coherent Wireless Network Coding; *TWC April 2013 1800-1811*
Guan, Xiaohong, *see* Wang, Hengtao, *TWC September 2013 4518-4528*
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Gunduz, Deniz, *see* Blasco, Pol, *TWC April 2013 1872-1882*
Guo, Anjin, and Haenggi, Martin, Spatial Stochastic Models and Metrics for the Structure of Base Stations in Cellular Networks; *TWC November 2013 5800-5812*
Guo, Da-Lun, *see* Chang, Dah-Chung, *TWC September 2013 4258-4271*
Guo, Dongning, *see* Xu, Mingguang, *TWC August 2013 3920-3931*
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Guo, Y. Jay, *see* Yang, Xianjun, *TWC October 2013 5087-5099*
Guruacharya, Sudarshan, Niyato, Dusit, Kim, Dong In, and Hossain, Ekram, Hierarchical Competition for Downlink Power Allocation in OFDMA Femtocell Networks; *TWC April 2013 1543-1553*
Guruacharya, Sudarshan, Niyato, Dusit, Bennis, Mehdi, and Kim, Dong In, Dynamic Coalition Formation for Network MIMO in Small Cell Networks; *TWC October 2013 5360-5372*

H

Habachi, Oussama, El-azouzi, Rachid, and Hayel, Yezekael, A Stackelberg Model for Opportunistic Sensing in Cognitive Radio Networks; *TWC May 2013 2148-2159*
Haddad, Majed, Altman, Eitan, Fiems, Dieter, and Gaillard, Julien, Paradoxes in Semi-Dynamic Evolutionary Power Control Game: When Intuition Fools You!; *TWC November 2013 5728-5739*
Hadzi-Velkov, Zoran, Michalopoulos, Diomidis S., Karagiannidis, George K., and Schober, Robert, On the Effect of Outdated Channel Estimation in Variable Gain Relaying: Error Performance and PAPR; *TWC March 2013 1084-1097*
Haenggi, Martin, *see* Guo, Anjin, *TWC November 2013 5800-5812*
Haenggi, Martin, and Smarandache, Roxana, Diversity Polynomials for the Analysis of Temporal Correlations in Wireless Networks; *TWC November 2013 5940-5951*
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Haghighi, Shapoor Golbahar, *see* Monemi, Mehdi, *TWC April 2013 1850-1859*
Hakim, Hela, *see* Chraiti, Mohaned, *TWC November 2013 5880-5888*
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Han, Tao, and Ansari, Nirwan, On Optimizing Green Energy Utilization for Cellular Networks with Hybrid Energy Supplies; *TWC August 2013 3872-3882*
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Harshan, J., and Rajan, B. Sundar, A Novel Power Allocation Scheme for Two-User GMAC with Finite Input Constellations; *TWC February 2013 818-827*
Harshan, J., *see* Sakzad, Amin, *TWC October 2013 4905-4915*
Hasan, Ziaul, and Bhargava, Vijay K., Relay Selection for OFDM Wireless Systems under Asymmetric Information: A Contract-Theory Based Approach; *TWC August 2013 3824-3837*
Hasna, M. O., *see* Song, S. H., *TWC February 2013 938-947*

Hassan, Mai H., and Hossain, Md. Jahangir, Cooperative Beamforming for Cognitive Radio Systems with Asynchronous Interference to Primary User; *TWC November 2013 5468-5479*
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He, Bo, *see* Xiong, Hailiang, *TWC September 2013 4328-4337*
He, Daojing, Chan, Sammy, Tang, Shaohua, and Guizani, Mohsen, Secure Data Discovery and Dissemination based on Hash Tree for Wireless Sensor Networks; *TWC September 2013 4638-4646*
He, Fei, Sun, Yin, Xiao, Limin, Chen, Xiang, Chi, Chong-Yung, and Zhou, Shidong, Capacity Region Bounds and Resource Allocation for Two-Way OFDM Relay Channels; *TWC June 2013 2904-2917*
He, Peter, Zhao, Lian, Zhou, Sheng, and Niu, Zhisheng, Water-Filling: A Geometric Approach and its Application to Solve Generalized Radio Resource Allocation Problems; *TWC July 2013 3637-3647*
He, Ruisi, Zhong, Zhangdui, Ai, Bo, Wang, Gongpu, Ding, Jianwen, and Molisch, Andreas F., Measurements and Analysis of Propagation Channels in High-Speed Railway Viaducts; *TWC February 2013 794-805*
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He, Shibo, *see* Cheng, Peng, *TWC June 2013 3072-3084*
He, Xiandeng, *see* Zhang, Shun, *TWC March 2013 1300-1309*
He, Xiang, and Yener, Aylin, End-to-End Secure Multi-Hop Communication with Untrusted Relays; *TWC January 2013 1-11*
He, Xiaofan, Dai, Huaiyu, and Ning, Peng, A Byzantine Attack Defender in Cognitive Radio Networks: The Conditional Frequency Check; *TWC May 2013 2512-2523*
He, Xin, and Wu, Yik-Chung, Probabilistic QoS Constrained Robust Downlink Multiuser MIMO Transceiver Design with Arbitrarily Distributed Channel Uncertainty; *TWC December 2013 6292-6302*
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Hejazi, Seyed Amin, *see* Eghbali, Homa, *TWC May 2013 2034-2045*
Helmy, Amir, Musavian, Leila, and Le-Ngoc, Tho, Energy-Efficient Power Adaptation over a Frequency-Selective Fading Channel with Delay and Power Constraints; *TWC September 2013 4529-4541*
Hermenier, Romain, Rossetto, Francesco, and Berioli, Matteo, On the Behavior of RObust Header Compression U-mode in Channels with Memory; *TWC August 2013 3722-3732*
Hjorungnes, Are, *see* Bansal, Ankur, *TWC February 2013 702-713*
Ho, Chin Keong, Fung, Patrick Ho Wang, and Sun, Sumei, Carrier Frequency Offset Estimation for Two-Way Relaying: Optimal Preamble and Estimator Design; *TWC April 2013 1898-1909*
Ho, Chin Keong, *see* Zhang, Rui, *TWC May 2013 1989-2001*
Ho, Chin Keong, *see* Lei, Lei, *TWC November 2013 5767-5779*
Ho, James, and Yang, En-hui, Designing Optimal Multiresolution Quantizers with Error Detecting Codes; *TWC July 2013 3588-3599*
Ho, James, and Ho, Pin-Han, On Transmission of Multiresolution Gaussian Sources over Noisy Relay Networks; *TWC July 2013 3170-3179*
Ho, Pin-Han, *see* Ho, James, *TWC July 2013 3170-3179*
Ho, Pin-Han, *see* Ghaffar, Rizwan, *TWC February 2013 828-839*
Ho, Tan-Jan, Urban Location Estimation for Mobile Cellular Networks: A Fuzzy-Tuned Hybrid Systems Approach; *TWC May 2013 2389-2399*
Hoang, Dinh Thai, *see* Le, Long Bao, *TWC January 2013 180-194*
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Hong, Daesik, *see* Park, Sungsoo, *TWC March 2013 1386-1397*
Hong, Eonpyo, Kim, Hyunju, Yang, Kyeongcheol, and Har, Dongsoo, Pilot-Aided Side Information Detection in SLM-Based OFDM Systems; *TWC July 2013 3140-3147*
Hong, Jun-Pyo, *see* Song, Hojin, *TWC April 2013 1594-1605*
Hong, Peilin, *see* Lu, Hao, *TWC October 2013 4840-4851*
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Hossain, Ekram, *see* Thilina, Karaputugala G. Madushan, *TWC August 2013 3682-3695*
Hossain, M. M. A., Koufos, Konstantinos, and Jantti, Riku, Minimum-Energy Power and Rate Control for Fair Scheduling in the Cellular Downlink under Flow Level Delay Constraint; *TWC July 2013 3253-3263*
Hossain, Md. Farhad, Munasinghe, Kumudu S., and Jamalipour, Abbas, Distributed Inter-BS Cooperation Aided Energy Efficient Load Balancing for Cellular Networks; *TWC November 2013 5929-5939*
Hossain, Md. Jahangir, *see* Hassan, Mai H., *TWC November 2013 5468-5479*
Hou, Jennifer C., *see* Kim, Tae-Suk, *TWC May 2013 2046-2054*
Hou, Y. Thomas, *see* Jiang, Canming, *TWC March 2013 1255-1267*
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Hu, Rose Qingyang, *see* Li, Qian Clara, *TWC June 2013 2658-2668*
Hu, Yuefei, *see* Chen, Xiao, *TWC April 2013 1524-1531*
Huang, Chuan, Zeng, Meng, and Cui, Shuguang, Source Power Allocation and Relaying Design for Two-Hop Interference Networks with Relay Conferencing; *TWC July 2013 3213-3225*
Huang, Chuan, and Cui, Shuguang, On the Alternative Relaying Gaussian Diamond Channel with Conferencing Links; *TWC February 2013 758-768*
Huang, H., *see* Gomez-Cuba, F., *TWC January 2013 40-49*
Huang, Hao-Yun, *see* Tsai, Yuh-Ren, *TWC September 2013 4558-4568*
Huang, He, *see* Chen, Zhili, *TWC August 2013 3838-3850*
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Huang, Huang, *see* Cui, Ying, *TWC November 2013 5889-5895*
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Huang, Liusheng, *see* Chen, Zhili, *TWC August 2013 3838-3850*
Huang, Qi, and Chung, Pei-Jung, An F-Test Based Approach for Spectrum Sensing in Cognitive Radio; *TWC August 2013 4072-4079*
Huang, Xiaoge, Beferull-Lozano, Baltasar, and Botella, Carmen, Quasi-Nash Equilibria for Non-Convex Distributed Power Allocation Games in Cognitive Radios; *TWC July 2013 3326-3337*
Huang, Xiaojing, *see* Yang, Xianjun, *TWC October 2013 5087-5099*
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Huang, Xiaojing, *see* Zhang, Jian A., *TWC March 2013 1407-1417*
Huang, Xinping, *see* Zhu, Zhiwen, *TWC June 2013 2941-2951*
Huang, Yang, Wang, Shiqiang, Song, Qingyang, Guo, Lei, and Jamalipour, Abbas, Synchronous Physical-Layer Network Coding: A Feasibility Study; *TWC August 2013 4048-4057*
Huang, Yichao, and Rao, Bhaskar D., Random Beamforming with Heterogeneous Users and Selective Feedback: Individual Sum Rate and Individual Scaling Laws; *TWC May 2013 2080-2090*
Huang, Yichao, Tan, Chee Wei, and Rao, Bhaskar D., Joint Beamforming and Power Control in Coordinated Multicell: Max-Min Duality, Effective Network and Large System Transition; *TWC June 2013 2730-2742*
Huang, Yifei, and Huang, Xiaojing, Detection of Temporally Correlated Signals over Multipath Fading Channels; *TWC March 2013 1290-1299*
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Hwang, Duckdong, Hong, Suk-Gi, and Lee, Tae-Jin, Multiuser Two Way Relaying Schemes in the Future Cellular Network; *TWC October 2013 5200-5207*
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Hwang, Ganguk, *see* Cho, Hyeonje, *TWC December 2013 6382-6391*
Hyadi, Amal, Benjillali, Mustapha, Alouini, Mohamed-Slim, and da Costa, Daniel Benevides, Performance Analysis of Underlay Cognitive Multihop Regenerative Relaying Systems with Multiple Primary Receivers; *TWC December 2013 6418-6429*

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Ibars, Christian, *see* Cocco, Giuseppe, *TWC September 2013 4315-4327*
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Imran, Reema, Odeh, Maha, Zorba, Nizar, and Verikoukis, Christos, Quality of Experience for Spatial Cognitive Systems within Multiple Antenna Scenarios; *TWC August 2013 4153-4161*

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Inkol, R., *see* Zhang, Q., *TWC April 2013 1501-1511*
Ishibashi, Koji, Shin, Won-Yong, Ochiai, Hideki, and Tarokh, Vahid, A Peak Power Efficient Cooperative Diversity using Star-QAM with Coherent/Noncoherent Detection; *TWC May 2013 2137-2147*
Islam, Toufiqul, Ikhlef, Aissa, Schober, Robert, and Bhargava, Vijay K., Diversity and Delay Analysis of Buffer-Aided BICM-OFDM Relaying; *TWC November 2013 5506-5519*
Ismail, Amr, Fiorina, Jocelyn, and Sari, Hikmet, A New Family of Low-Complexity STBCs for Four Transmit Antennas; *TWC March 2013 1208-1219*
Ismail, Muhammad, Zhuang, Weihua, and Elhedhli, Samir, Energy and Content Aware Multi-Homing Video Transmission in Heterogeneous Networks; *TWC July 2013 3600-3610*
Ismail, Muhammad, Abdrabou, Atef, and Zhuang, Weihua, Cooperative Decentralized Resource Allocation in Heterogeneous Wireless Access Medium; *TWC February 2013 714-724*
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Jang, Ingook, Yang, Suho, Yoon, Hyunsoo, and Kim, Dongwook, EMBA: An Efficient Multihop Broadcast Protocol for Asynchronous Duty-Cycled Wireless Sensor Networks; *TWC April 2013 1640-1650*
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Jeon, Wha Sook, Lee, Dong Heon, and Jeong, Dong Geun, Collaborative Sensing Management for Cognitive Radio Networks with Reporting Overhead; *TWC February 2013 595-605*
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Jia, Juncheng, and Zhang, Qian, Rendezvous Protocols Based on Message Passing in Cognitive Radio Networks; *TWC November 2013 5594-5606*
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Jiang, C., and Cimini, L.J., Jr., Energy-efficient transmission for MIMO interference channels; *TWC June 2013 2988-2999*
Jiang, Canming, Shi, Yi, Hou, Y. Thomas, Lou, Wenjing, and Sherali, Hanif D., Throughput Maximization for Multi-Hop Wireless Networks with Network-Wide Energy Constraint; *TWC March 2013 1255-1267*
Jiang, Chunxiao, *see* Yang, Yu-Han, *TWC October 2013 5048-5060*
Jiang, Chunxiao, Chen, Yan, Gao, Yang, and Liu, K. J. Ray, Joint Spectrum Sensing and Access Evolutionary Game in Cognitive Radio Networks; *TWC May 2013 2470-2483*
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Jin, Hu, and Leung, Victor C. M., One Bit Feedback for CDF-Based Scheduling with Resource Sharing Constraints; *TWC December 2013 6281-6291*
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Jung, Haejoon, and Weitnauer, Mary Ann, Multi-Packet Interference in Opportunistic Large Array Broadcasts over Disk Networks; *TWC November 2013 5631-5645*
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Kao, Jung-Chun, and Chen, Fu-Wen, On RANC ARQ for Wireless Relay Networks: From the Transmission Perspective; *TWC June 2013 2962-2976*
Kapetanovic, Dzevdan, Cheng, Hei Victor, Mow, Wai Ho, and Rusek, Fredrik, Optimal Two-Dimensional Lattices for Precoding of Linear Channels; *TWC May 2013 2104-2113*
Karaca, Mehmet, Sarikaya, Yunus, Ercetin, Ozgur, Alpcan, Tansu, and Boche, Holger, Joint Opportunistic Scheduling and Selective Channel Feedback; *TWC June 2013 3024-3034*
Karagiannidis, George K., *see* Michalopoulos, Diomidis S., *TWC February 2013 481-493*
Karagiannidis, George K., *see* Hadzi-Velkov, Zoran, *TWC March 2013 1084-1097*
Karasik, Roy, Simeone, Osvaldo, and Shitz, Shlomo Shamai, Robust Uplink Communications over Fading Channels with Variable Backhaul Connectivity; *TWC November 2013 5788-5799*
Karim, Lutful, *see* Nasser, Nidal, *TWC April 2013 1448-1459*
Kasai, Kenta, *see* Suthisopapan, Puripong, *TWC October 2013 5185-5199*
Kashyap, Salil, and Mehta, Neelesh B., SEP-Optimal Transmit Power Policy for Peak Power and Interference Outage Probability Constrained Underlay Cognitive Radios; *TWC December 2013 6371-6381*
Kashyap, Salil, and Mehta, Neelesh B., Joint Antenna Selection and Frequency-Domain Scheduling in OFDMA Systems with Imperfect Estimates from Dual Pilot Training Scheme; *TWC July 2013 3473-3483*
Kato, Nei, *see* Liu, Jiajia, *TWC June 2013 3035-3047*
Kaufman, Brett, Lilleberg, Jorma, and Aazhang, Behnaam, Spectrum Sharing Scheme Between Cellular Users and Ad-hoc Device-to-Device Users; *TWC March 2013 1038-1049*
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Kha, H. H., *see* Phan, A. H., *TWC April 2013 1617-1627*
Khan, Samee U., *see* Tran, Tuan T., *TWC July 2013 3372-3387*
Khandaker, Muhammad R. A., and Rong, Yue, Precoding Design for MIMO Relay Multicasting; *TWC July 2013 3544-3555*
Khonsari, Ahmad, *see* Teymoori, Peyman, *TWC March 2013 1268-1278*
Khoshkholgh, Mohammad G., Navaie, Keivan, and Yanikomeroglu, Halim, Interference Management in Underlay Spectrum Sharing Using Indirect Power Control Signalling; *TWC July 2013 3264-3277*
Kilper, Dan, *see* Zhang, Weiwen, *TWC September 2013 4569-4581*
Kim, Binhee, *see* Kong, Seung-Hyun, *TWC November 2013 5859-5867*
Kim, Chanhong, Lee, Soohong, and Lee, Jungwoo, SINR and Throughput Analysis for Random Beamforming Systems with Adaptive Modulation; *TWC April 2013 1460-1471*
Kim, Dong In, *see* Yang, Jun, *TWC June 2013 2840-2852*
Kim, Dong In, *see* Le, Long Bao, *TWC January 2013 180-194*
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Kim, Joonsuk, *see* Lee, Kilbom, *TWC October 2013 4932-4942*
Kim, Kwang Soon, *see* Byun, Ilmu, *TWC April 2013 1628-1639*
Kim, Kyeong Jin, Duong, Trung Q., and Poor, H. Vincent, Outage Probability of Single-Carrier Cooperative Spectrum Sharing Systems with Decode-and-Forward Relaying and Selection Combining; *TWC February 2013 806-817*
Kim, Kyeong Jin, Duong, Trung Q., and Poor, H. Vincent, Performance Analysis of Cyclic Prefixed Single-Carrier Cognitive Amplify-and-Forward Relay Systems; *TWC January 2013 195-205*
Kim, Kyeong Jin, Duong, Trung Q., Elkashlan, Maged, Yeoh, Phee Lep, Poor, H. Vincent, and Lee, Moon Ho, Spectrum Sharing Single-Carrier in the Presence of Multiple Licensed Receivers; *TWC October 2013 5223-5235*
Kim, Minseok, *see* Chung, Jong-Moon, *TWC February 2013 606-615*
Kim, Sang Wu, *see* Chun, Young Jin, *TWC May 2013 2436-2444*
Kim, Sangdeok, *see* Oh, Daegun, *TWC July 2013 3130-3139*
Kim, Seokjung, Park, Sungsoo, and Hong, Daesik, Performance Analysis of Opportunistic Relaying Scheme with Outdated Channel Information; *TWC February 2013 538-549*
Kim, Seung-Jun, Soltani, Nasim Yahya, and Giannakis, Georgios B., Resource Allocation for OFDMA Cognitive Radios Under Channel Uncertainty; *TWC July 2013 3578-3587*
Kim, Seung-Jun, *see* Soltani, Nasim Yahya, *TWC March 2013 1098-1107*
Kim, Tae-Suk, Yang, Yong, Hou, Jennifer C., and Krishnamurthy, Srikanth V., Resource Allocation for QoS Support in Wireless Mesh Networks; *TWC May 2013 2046-2054*
Kim, Young-bin, Choi, Wan, Jung, Bang Chul, and Nosratinia, Aria, A Dynamic Paradigm for Spectrally Efficient Half-Duplex Multi-Antenna Relaying; *TWC September 2013 4680-4691*
Kim, Young-Jin, Song, Moon-Gun, Cho, Yong-Sang, and Im, Gi-Hong, Decentralized Beamformer Design with Limited Multi-Cell Cooperation for Interference Channel of Cognitive Radio Networks; *TWC August 2013 4142-4152*
Klein, Anja, *see* Ganesan, Rakash SivaSiva, *TWC August 2013 3662-3671*
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Kloukinas, Christos, *see* Besbes, Hana, *TWC October 2013 4916-4931*
Kocaoglu, Murat, and Akan, Ozgur B., Minimum Energy Channel Codes for Nanoscale Wireless Communications; *TWC April 2013 1492-1500*
Kong, Fook Wai, Parpas, Panos, and Rustem, Berc, Sum of Non-Concave Utilities Maximization for MIMO Interference Systems; *TWC April 2013 1744-1751*
Kong, Han-Bae, *see* Lee, Sang-Rim, *TWC January 2013 228-236*
Kong, Han-Bae, *see* Lee, Sang-Rim, *TWC June 2013 2578-2587*
Kong, Han-Bae, *see* Lee, Sang-Rim, *TWC December 2013 6430-6438*
Kong, Seung-Hyun, and Kim, Binhee, Two-Dimensional Compressed Correlator for Fast PN Code Acquisition; *TWC November 2013 5859-5867*
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Kountouris, Marios, *see* Dhillon, Harpreet S., *TWC October 2013 5208-5222*
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Krishnamurthy, Srikanth V., *see* Kim, Tae-Suk, *TWC May 2013 2046-2054*
Ku, Ivan, Wang, Cheng-Xiang, and Thompson, John, Spectral-Energy Efficiency Tradeoff in Relay-Aided Cellular Networks; *TWC October 2013 4970-4982*
Kuehne, Alexander, *see* Ganesan, Rakash SivaSiva, *TWC August 2013 3662-3671*
Kumar, Santhosh, Shende, Nirmal, Murthy, Chandra R., and Ayyagari, Arun, Throughput Analysis of Primary and Secondary Networks in a Shared IEEE 802.11 System; *TWC March 2013 1006-1017*
Kundu, Sudipta, and Rajan, B. Sundar, Adaptive Constellation Rotation Scheme for Two-User Fading MAC with Quantized Fade State Feedback; *TWC March 2013 1073-1083*
Kuo, Sy-Yen, *see* Tsou, Yao-Tung, *TWC June 2013 2817-2829*
Kurner, Thomas, *see* Priebe, Sebastian, *TWC September 2013 4445-4455*
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Kwon, Taesoo, *see* Yu, Wei, *TWC July 2013 1-14*
Kwon, Taesoo, and Cioffi, John M., Random Deployment of Data Collectors for Serving Randomly-Located Sensors; *TWC June 2013 2556-2565*

L

Lai, Ten H., *see* Chen, Jiming, *TWC September 2013 4742-4755*
Lam, Albert Y.S., Li, Victor O.K., and Yu, James J.Q., Power-Controlled Cognitive Radio Spectrum Allocation with Chemical Reaction Optimization; *TWC July 2013 3180-3190*
Lamahewa, Tharaka A., *see* Mohammadi, Mohammadali, *TWC January 2013 146-157*
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Laot, Christophe, *see* Passerieux, Jean-Michel, *TWC February 2013 586-594*
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Larsson, Erik G., *see* Moosavi, Reza, *TWC January 2013 368-379*
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Lau, Vincent K. N., *see* Cui, Ying, *TWC November 2013 5889-5895*
Le, Long Bao, Niyato, Dusit, Hossain, Ekram, Kim, Dong In, and Hoang, Dinh Thai, QoS-Aware and Energy-Efficient Resource Management in OFDMA Femtocells; *TWC January 2013 180-194*
Le, Long Bao, *see* Nguyen, Mui Van, *TWC November 2013 5557-5571*
Le, Viet-Anh, Pitaval, Renaud-Alexandre, Blostein, Steven D., Riihonen, Taneli, and Wichman, Risto, One-Bit CSI Feedback Selection Schemes for Energy-Efficient Multiuser and Multirelay Systems; *TWC March 2013 1149-1161*
Le-Ngoc, Tho, *see* Helmy, Amir, *TWC September 2013 4529-4541*
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Leblebicioglu, Kemal, *see* Tekbiyik, Neyre, *TWC April 2013 1699-1711*
Lee, Bumsoo, and Lee, Chungyong, Performance Analysis of Cooperative Multi-Hop Networks with Hop Selection in Nakagami-m Fading Channels; *TWC August 2013 3851-3859*
Lee, Chungyong, *see* Lee, Bumsoo, *TWC August 2013 3851-3859*
Lee, Daewon, *see* Niu, Jinping, *TWC April 2013 1843-1849*
Lee, Daewon, *see* Niu, Jinping, *TWC December 2013 6205-6213*
Lee, Dong Heon, *see* Jeon, Wha Sook, *TWC February 2013 595-605*
Lee, Dong Seop, *see* Gonzalez G, David, *TWC May 2013 2410-2423*
Lee, Donghun, Performance Analysis of ZF-Precoded Scheduling System for MU-MIMO with Generalized Selection Criterion; *TWC April 2013 1812-1818*
Lee, Heunchul, *see* Clerckx, Bruno, *TWC April 2013 1481-1491*
Lee, Howon, *see* Lee, Kisong, *TWC November 2013 5520-5528*
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Lee, Inkyu, *see* Park, Haewook, *TWC February 2013 626-635*
Lee, Inkyu, *see* Lee, Sang-Rim, *TWC January 2013 228-236*
Lee, Jung Hoon, Choi, Wan, and Rao, Bhaskar D., Multiuser Diversity in Interfering Broadcast Channels: Achievable Degrees of Freedom and User Scaling Law; *TWC November 2013 5837-5849*
Lee, Jung Hoon, and Choi, Wan, Optimal Feedback Rate Sharing Strategy in Zero-Forcing MIMO Broadcast Channels; *TWC June 2013 3000-3011*
Lee, Jung Hoon, and Choi, Wan, On the Achievable DoF and User Scaling Law of Opportunistic Interference Alignment in 3-Transmitter MIMO Interference Channels; *TWC June 2013 2743-2753*
Lee, Jungwoo, *see* Kim, Chanhong, *TWC April 2013 1460-1471*
Lee, Kanghee, Kwon, Hyuck M., Behbahani, Alireza Shahan, and Eltawil, Ahmed M., A Note on "Amplify-and-Forward Relay Networks under Received Power Constraint" [Nov 09 5422-5426]; *TWC October 2013 5375*
Lee, Kilbom, Kim, Joonsuk, Jung, Jaehoon, and Lee, Inkyu, Zadoff-Chu Sequence Based Signature Identification for OFDM; *TWC October 2013 4932-4942*
Lee, Kisong, Lee, Howon, Jang, Yong-Up, and Cho, Dong-Ho, CoBRA: Cooperative Beamforming-Based Resource Allocation for Self-Healing in SON-Based Indoor Mobile Communication System; *TWC November 2013 5520-5528*
Lee, Kwangwon, Lee, Namyoon, and Lee, Inkyu, Achievable Degrees of Freedom on MIMO Two-way Relay Interference Channels; *TWC April 2013 1472-1480*
Lee, Moon Ho, *see* Kim, Kyeong Jin, *TWC October 2013 5223-5235*

Lee, Namyoon, *see* Lee, Kwangwon, *TWC April 2013 1472-1480*
Lee, Sang-Rim, Kim, Jin-Sung, Moon, Sung-Hyun, Kong, Han-Bae, and Lee, Inkyu, Zero-Forcing Beamforming in Multiuser MISO Downlink Systems Under Per-Antenna Power Constraint and Equal-Rate Metric; *TWC January 2013 228-236*
Lee, Sang-Rim, Kong, Han-Bae, Park, Haewook, and Lee, Inkyu, Beamforming Designs Based on an Asymptotic Approach in MISO Interference Channels; *TWC December 2013 6430-6438*
Lee, Sang-Rim, Moon, Sung-Hyun, Kong, Han-Bae, and Lee, Inkyu, Optimal Beamforming Schemes and its Capacity Behavior for Downlink Distributed Antenna Systems; *TWC June 2013 2578-2587*
Lee, Seunghyun, Zhang, Rui, and Huang, Kaibin, Opportunistic Wireless Energy Harvesting in Cognitive Radio Networks; *TWC September 2013 4788-4799*
Lee, Soohong, *see* Kim, Chanhong, *TWC April 2013 1460-1471*
Lee, Sungwon, *see* Nguyen, Mui Van, *TWC November 2013 5557-5571*
Lee, Tae-Jin, *see* Hwang, Duckdong, *TWC October 2013 5200-5207*
Lee, Yee Hui, *see* Mao, Xiao Hong, *TWC January 2013 22-30*
Lei, Lei, Zhang, Yingkai, Shen, Xuemin Sherman, Lin, Chuang, and Zhong, Zhangdui, Performance Analysis of Device-to-Device Communications with Dynamic Interference Using Stochastic Petri Nets; *TWC December 2013 6121-6141*
Lei, Lei, *see* Zheng, Kan, *TWC February 2013 782-793*
Lei, Lei, Yuan, Di, Ho, Chin Keong, and Sun, Sumei, A Unified Graph Labeling Algorithm for Consecutive-Block Channel Allocation in SC-FDMA; *TWC November 2013 5767-5779*
Lei, Ming, *see* Sun, Liang, *TWC March 2013 1118-1126*
Lei, Ming, *see* Yuan, Fang, *TWC August 2013 3980-3994*
Lei, Zhongding, *see* Zhao, Jian, *TWC June 2013 2762-2775*
Leinonen, Markus, Codreanu, Marian, and Juntti, Markku, Distributed Joint Resource and Routing Optimization in Wireless Sensor Networks via Alternating Direction Method of Multipliers; *TWC November 2013 5454-5467*
Leonardo, Elvio J., and Yacoub, Michel D., Exact Formulations for the Throughput of IEEE 802.11 DCF in Hoyt, Rice, and Nakagami-m Fading Channels; *TWC May 2013 2261-2271*
Lertwiram, Namzilp, Tran, Gia Khanh, Sakaguchi, Kei, and Araki, Kiyomichi, An Efficient Relay Node Placement Scheme for Two-Way MIMO Multi-Hop Networks in Practical Indoor Environments; *TWC June 2013 2977-2987*
Letaief, K. B., *see* Song, S. H., *TWC February 2013 938-947*
Letaief, K. B., *see* Song, S. H., *TWC September 2013 4778-4787*
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Leung, Victor C. M., *see* Liu, Qiang, *TWC October 2013 5124-5137*
Li, Bin, Li, Hongxiang, Wang, Wenjie, Yin, Qinye, and Liu, Hui, Performance Analysis and Optimization for Energy-Efficient Cooperative Transmission in Random Wireless Sensor Network; *TWC September 2013 4647-4657*
Li, Bin, Zhou, Zheng, Zou, Weixia, Sun, Xuebin, and Du, Guanglong, On the Efficient Beam-Forming Training for 60GHz Wireless Personal Area Networks; *TWC February 2013 504-515*
Li, Bin, and Eryilmaz, Atilla, Optimal Distributed Scheduling under Time-Varying Conditions: A Fast-CSMA Algorithm with Applications; *TWC July 2013 3278-3288*
Li, Frank Y., *see* Xiang, Lin, *TWC March 2013 961-973*
Li, Geoffrey Y., *see* Niu, Jinping, *TWC April 2013 1843-1849*
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Li, Geoffrey Ye, *see* Xiong, Cong, *TWC June 2013 3085-3095*
Li, Haopeng, and Xie, Jiang, An Adaptive Channel Scheduling Design for Multi-Hop Handoff Delay Reduction in Internet-Based Wireless Mesh Networks; *TWC October 2013 5258-5270*
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Li, Hongxiang, *see* Li, Bin, *TWC September 2013 4647-4657*
Li, Husheng, Song, Ju Bin, and Han, Zhu, Transient Analysis of Data Traffic in Cognitive Radio Networks: A Non-Equilibrium Statistical Mechanics Approach; *TWC September 2013 4658-4667*
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Li, Junkun, *see* Chen, Jiming, *TWC September 2013 4742-4755*
Li, Li, *see* Wang, Hengtao, *TWC September 2013 4518-4528*
Li, Ming, Yu, Shucheng, Cao, Ning, and Lou, Wenjing, Privacy-Preserving Distributed Profile Matching in Proximity-Based Mobile Social Networks; *TWC May 2013 2024-2033*
Li, Qian Clara, Hu, Rose Qingyang, Xu, Yiran, and Qian, Yi, Optimal Fractional Frequency Reuse and Power Control in the Heterogeneous Wireless Networks; *TWC June 2013 2658-2668*
Li, Qun, *see* Qin, Zhengrui, *TWC June 2013 2680-2687*
Li, Shaoqian, *see* Zhong, Ke, *TWC October 2013 5309-5321*
Li, Shenghong, and Murch, Ross D., Realizing Cooperative Multiuser OFDMA Systems with Subcarrier Resource Allocation; *TWC April 2013 1923-1935*
Li, Tianming, Mandayam, Narayan B., and Reznik, Alex, A Framework for Distributed Resource Allocation and Admission Control in a Cognitive Digital Home; *TWC March 2013 984-995*
Li, Tongtong, *see* Zhang, Lei, *TWC January 2013 80-88*
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Li, Yang, *see* Bkassiny, Mario, *TWC November 2013 5413-5423*
Li, Yang, and Jayaweera, Sudharman K., Dynamic Spectrum Tracking Using Energy and Cyclostationarity-Based Multi-Variate Non-Parametric Quickest Detection for Cognitive Radios; *TWC July 2013 3522-3532*
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Liang, Le, Xu, Wei, and Dong, Xiaodai, Limited Feedback-Based Multi-Antenna Relay Broadcast Channels with Block Diagonalization; *TWC August 2013 4092-4101*
Liang, Qilian, *see* Wang, Xin, *TWC June 2013 2930-2940*
Liang, Xiao, Zhao, Chun-Ming, and Ding, Zhi, Piggyback Retransmissions over Wireless MIMO Channels: Shared Hybrid-ARQ (SHARQ) for Bandwidth Efficiency; *TWC August 2013 3770-3782*
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Lim, G., and Cimini, L.J., Jr., Energy-efficient cooperative beamforming in clustered wireless networks; *TWC March 2013 1376-1385*
Lim, Sungmook, Noh, Gosan, Kim, Hyungjong, and Hong, Daesik, Optimal Tone Space Selection Scheme for OFDMA-VTS in Carrier Aggregation; *TWC November 2013 5679-5691*
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Lin, Che, and Chen, Bor-Sen, Achieving Pareto Optimal Power Tracking Control for Interference Limited Wireless Systems via Multi-Objective H_2/H_infty Optimization; *TWC December 2013 6154-6165*
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Lin, Ko-Yen, *see* Wu, Sau-Hsuan, *TWC September 2013 4542-4557*
Lin, Peng, Zhang, Jin, Zhang, Qian, and Hamdi, Mounir, Enabling the Femtocells: A Cooperation Framework for Mobile and Fixed-Line Operators; *TWC January 2013 158-167*
Lin, Ping-Chen, *see* Wei, Chia-Hung, *TWC January 2013 414-415*
Lin, Shijun, and Fu, Liqun, Unsaturated Throughput Analysis of Physical-Layer Network Coding Based on IEEE 802.11 Distributed Coordination Function; *TWC November 2013 5544-5556*
Lin, Sian-Jheng, *see* Chang, Ronald Y., *TWC August 2013 3956-3967*
Lin, W. Sabrina, *see* Yang, Yu-Han, *TWC January 2013 346-357*
Lin, Woei, *see* Chou, Kuan-Hung, *TWC April 2013 1441-1447*
Lin, Xingqin, Ganti, Radha Krishna, Fleming, Philip J., and Andrews, Jeffrey G., Towards Understanding the Fundamentals of Mobility in Cellular Networks; *TWC April 2013 1686-1698*
Lin, Xingqin, and Viswanathan, Harish, Dynamic Spectrum Refarming with Overlay for Legacy Devices; *TWC October 2013 5282-5293*
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Liu, Fei, *see* Zheng, Kan, *TWC February 2013 782-793*

Liu, Hui, *see* Li, Bin, *TWC September 2013 4647-4657*
Liu, Jiajia, Jiang, Xiaohong, Nishiyama, Hiroki, and Kato, Nei, Throughput Capacity of MANETs with Power Control and Packet Redundancy; *TWC June 2013 3035-3047*
Liu, K. J. Ray, *see* Yang, Yu-Han, *TWC October 2013 5048-5060*
Liu, K. J. Ray, *see* Guan, Wei, *TWC February 2013 668-679*
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Liu, Kebin, *see* Miao, Xin, *TWC December 2013 6067-6075*
Liu, Liang, Zhang, Rui, and Chua, Kee-Chaing, Wireless Information Transfer with Opportunistic Energy Harvesting; *TWC January 2013 288-300*
Liu, Lingjia, *see* Tran, Tuan T., *TWC July 2013 3372-3387*
Liu, Qiang, Yin, Jianping, Leung, Victor C. M., and Cai, Zhiping, FADE: Forwarding Assessment Based Detection of Collaborative Grey Hole Attacks in WMNs; *TWC October 2013 5124-5137*
Liu, Ren Ping, *see* Ni, Wei, *TWC December 2013 6106-6120*
Liu, Ren Ping, Sutton, Gordon J., and Collings, Iain B., Errata to the paper "A New Queueing Model for QoS Analysis of IEEE 802.11 DCF with Finite Buffer and Load" [Aug 10 2664-2675]; *TWC October 2013 5374*
Liu, Tsung-Hsien, Comparisons of Two Real-Valued MIMO Signal Models and Their Associated ZF-SIC Detectors over the Rayleigh Fading Channel; *TWC December 2013 6054-6066*
Liu, Xi, and Erkip, Elza, Transmission Schemes for Gaussian Interference Channels with Transmitter Processing Energy; *TWC September 2013 4756-4765*
Liu, Xin, *see* Lapiccirella, Fabio E., *TWC January 2013 112-122*
Liu, Xin, *see* Elsherif, Ahmed R., *TWC December 2013 6439-6453*
Liu, Yalin, *see* Xiong, Cong, *TWC June 2013 3085-3095*
Liu, Yi, Xia, Xiang-Gen, and Zhang, Hailin, Distributed Linear Convolutional Space-Time Coding for Two-Relay Full-Duplex Asynchronous Cooperative Networks; *TWC December 2013 6406-6417*
Liu, Yuan, *see* Tao, Meixia, *TWC March 2013 1138-1148*
Liu, Yuan, Mo, Jianhua, and Tao, Meixia, QoS-Aware Transmission Policies for OFDM Bidirectional Decode-and-Forward Relaying; *TWC May 2013 2206-2216*
Liu, Yuan, Tao, Meixia, and Huang, Jianwei, An Auction Approach to Distributed Power Allocation for Multiuser Cooperative Networks; *TWC January 2013 237-247*
Liu, Yuanan, *see* Mao, Junling, *TWC May 2013 2366-2375*
Liu, Yunhao, *see* Miao, Xin, *TWC December 2013 6067-6075*
Liu, Yupeng, and Petropulu, Athina P., QoS Guarantees in AF Relay Networks with Multiple Source-Destination Pairs in the Presence of Imperfect CSI; *TWC September 2013 4225-4235*
Liu, Zhang-Meng, Huang, Zhi-Tao, and Zhou, Yi-Yu, Sparsity-Inducing Direction Finding for Narrowband and Wideband Signals Based on Array Covariance Vectors; *TWC August 2013 1-12*
Liu, Zu-Jun, Wang, Jie-Ling, Sun, De-Chun, and Yi, Ke-Chu, Unified SER Performance Analysis and Improvement for Multiuser MIMO Downlink with Correlation Rotation Linear Precoding; *TWC April 2013 1678-1685*
Liva, Gianluigi, Pulini, Paola, and Chiani, Marco, On-Line Construction of Irregular Repeat Accumulate Codes for Packet Erasure Channels; *TWC February 2013 680-689*
Liva, Gianluigi, *see* Pulini, Paola, *TWC November 2013 5646-5655*
Lo, Ernest S., *see* Ng, Derrick Wing Kwan, *TWC December 2013 6352-6370*
Lo, Ernest S., *see* Ng, Derrick Wing Kwan, *TWC July 2013 3412-3427*
Longoria-Gandara, O., *see* Pena-Campos, F., *TWC February 2013 898-907*
Lottici, Vincenzo, *see* Moretti, Marco, *TWC February 2013 748-757*
Lottici, Vincenzo, *see* Zhou, Qi, *TWC June 2013 2806-2816*
Lou, Wenjing, *see* Li, Ming, *TWC May 2013 2024-2033*
Lou, Wenjing, *see* Jiang, Canming, *TWC March 2013 1255-1267*
Lu, Chun-Shien, *see* Tsou, Yao-Tung, *TWC June 2013 2817-2829*
Lu, Hao, Hong, Peilin, and Xue, Kaiping, High-Throughput Cooperative Communication with Interference Cancellation for Two-Path Relay in Multi-Source System; *TWC October 2013 4840-4851*
Lu, Lu, Li, Geoffrey Ye, and Wu, Gang, Optimal Power Allocation for CR Networks with Direct and Relay-Aided Transmissions; *TWC April 2013 1-11*
Lu, Lu, Yan, Kun, Wu, Hsiao-Chun, and Chang, Shih Yu, Novel Robust Normality Measure for Sparse Data and its Application for Weak Signal Detection; *TWC May 2013 2400-2409*
Lu, Sanglu, *see* Chen, Xiao, *TWC April 2013 1524-1531*
Luo, Bin, and Wu, Yik Chung, Distributed Clock Parameters Tracking in Wireless Sensor Network; *TWC December 2013 6464-6475*
Luo, Chong, *see* Cui, Hao, *TWC October 2013 4892-4904*
Luo, Haiyun, *see* Zhang, Weiwen, *TWC September 2013 4569-4581*
Luo, Shixin, Zhang, Rui, and Lim, Teng Joon, Optimal Power and Range Adaptation for Green Broadcasting; *TWC September 2013 4592-4603*
Luo, Shixin, Zhang, Rui, and Lim, Teng Joon, Optimal Save-Then-Transmit Protocol for Energy Harvesting Wireless Transmitters; *TWC March 2013 1196-1207*
Luo, Yaming, Zhang, Jun, and Letaief, Khaled B., Optimal Scheduling and Power Allocation for Two-Hop Energy Harvesting Communication Systems; *TWC September 2013 4729-4741*
Luzio, Miguel, Dinis, Rui, and Montezuma, Paulo, Pragmatic Frequency Domain Equalization for Single Carrier with Offset Modulations; *TWC September 2013 4496-4505*
Lv, Tiejun, *see* Cao, Ruohan, *TWC July 2013 3445-3457*
Lyu, Jiangbin, Chew, Yong Huat, and Wong, Wai-Choong, Aloha Games with Spatial Reuse; *TWC August 2013 3932-3941*

M

Ma, Hao, *see* Rao, Anlei, *TWC March 2013 1162-1172*
Ma, Liangping, *see* Xin, ChunSheng, *TWC October 2013 5154-5161*
Ma, Qiang, *see* Miao, Xin, *TWC December 2013 6067-6075*
Ma, Shaodan, *see* Ding, Haichuan, *TWC August 2013 3942-3955*
Ma, Xiaoli, *see* Zhou, Qi, *TWC June 2013 2806-2816*
Ma, Xiaoli, *see* Zhou, Qi, *TWC September 2013 4414-4421*
Ma, Yi, *see* Yi, Na, *TWC June 2013 2797-2805*
Macagnano, Davide, and de Abreu, Giuseppe Thadeu Freitas, Algebraic Approach for Robust Localization with Heterogeneous Information; *TWC October 2013 5334-5345*
MacKenzie, Allen B., *see* Baidas, Mohammed W., *TWC July 2013 3238-3252*
Madhow, Upamanyu, *see* Quitin, Franeois, *TWC March 2013 1418-1428*
Mahmood, Nurul H., Yilmaz, Ferkan, Oien, Geir E., and Alouini, Mohamed-Slim, On Hybrid Cooperation in Underlay Cognitive Radio Networks; *TWC September 2013 4422-4433*
Makhlouf, Arafet Ben, and Hamdi, Mounir, Practical Rate Adaptation for Very High Throughput WLANs; *TWC February 2013 908-916*
Mammasis, Konstantinos, and Santi, Paolo, Average-Instantaneous, Unimodal and Multimodal Scattering Responses in Spatial Gaussian Channels; *TWC November 2013 5480-5492*
Mammela, Aarne, *see* Apilo, Olli, *TWC September 2013 4246-4257*
Mandayam, Narayan B., *see* Li, Tianming, *TWC March 2013 984-995*
Mao, Guoqiang, *see* Ng, Seh Chun, *TWC April 2013 1512-1523*
Mao, Guoqiang, Lin, Zihuai, Ge, Xiaohu, and Yang, Yang, Towards a Simple Relationship to Estimate the Capacity of Static and Mobile Wireless Networks; *TWC August 2013 3883-3895*
Mao, Junling, Xie, Gang, Gao, Jinchun, and Liu, Yuanan, Energy Efficiency Optimization for OFDM-Based Cognitive Radio Systems: A Water-Filling Factor Aided Search Method; *TWC May 2013 2366-2375*
Mao, Xiao Hong, and Lee, Yee Hui, UHF Propagation Along a Cargo Hold on Board a Merchant Ship; *TWC January 2013 22-30*
Marabissi, Dania, *see* Bartoli, Giulio, *TWC December 2013 6034-6042*
Mark, Brian L., *see* Nguyen, Thao, *TWC September 2013 4582-4591*
Mark, Jon W., *see* Alam, Md Shamsul, *TWC May 2013 2193-2205*
Marques, Antonio G., Figuera, Carlos, Rey-Moreno, Carlos, and Simo-Reigadas, Javier, Asymptotically Optimal Cross-Layer Schemes for Relay Networks with Short-Term and Long-Term Constraints; *TWC January 2013 333-345*
Martin, Phillipa A., *see* Basnayaka, Dushyantha A., *TWC May 2013 2240-2251*
Mary, Philippe, Dohler, Mischa, Gorce, Jean-Marie, and Villemaud, Guillaume, Packet Error Outage for Coded Systems Experiencing Fast Fading and Shadowing; *TWC February 2013 574-585*
Mathecken, Pramod, *see* Gokceoglu, Ahmet, *TWC June 2013 3048-3059*
Matolak, David W., *see* Sun, Ruoyu, *TWC October 2013 5138-5145*
Mattera, Davide, and Tanda, Mario, Blind Symbol Timing and CFO Estimation for OFDM/OQAM Systems; *TWC January 2013 268-277*
Matyjas, John D., *see* Su, Weifeng, *TWC November 2013 5584-5593*
Matyjas, John D., *see* Ding, Lei, *TWC November 2013 5394-5405*
Mazzali, Nicolo, Colavolpe, Giulio, and Buzzi, Stefano, CPM-Based Spread Spectrum Systems for Multi-User Communications; *TWC January 2013 358-367*
McGarry, Stephen, *see* Cheng, Bow-Nan, *TWC August 2013 4183-4195*

Medawar, Samer, Handel, Peter, and Zetterberg, Per, Approximate Maximum Likelihood Estimation of Rician K-Factor and Investigation of Urban Wireless Measurements; *TWC June 2013 2545-2555*
Meesomboon, Anupap, *see* Suthisopapan, Puripong, *TWC October 2013 5185-5199*
Mehana, Ahmed Hesham, and Nosratinia, Aria, Single-Carrier Frequency-Domain Equalizer with Multi-Antenna Transmit Diversity; *TWC January 2013 388-397*
Mehana, Ahmed Hesham, and Nosratinia, Aria, Performance of Linear Receivers in Frequency-Selective MIMO Channels; *TWC June 2013 2697-2705*
Mehta, Neelesh B., *see* Mukhopadhyay, Arpan, *TWC May 2013 2068-2079*
Mehta, Neelesh B., *see* Kashyap, Salil, *TWC December 2013 6371-6381*
Mehta, Neelesh B., *see* Kashyap, Salil, *TWC July 2013 3473-3483*
Melodia, Tommaso, *see* Ding, Lei, *TWC November 2013 5394-5405*
Mendez-Vazquez, A., *see* Rodriguez-Avila, R., *TWC May 2013 2171-2179*
Meng, Wei, Xie, Lihua, and Xiao, Wendong, Optimality Analysis of Sensor-Source Geometries in Heterogeneous Sensor Networks; *TWC April 2013 1958-1967*
Mengali, Umberto, *see* D'Amico, Antonio A., *TWC April 2013 1606-1616*
Mertins, A., *see* Tran, L. C., *TWC February 2013 862-876*
Miao, Guowang, and Vastberg, Anders, Energy Efficiency in the Wideband Regime; *TWC August 2013 4102-4109*
Miao, Guowang, Energy-Efficient Uplink Multi-User MIMO; *TWC May 2013 2302-2313*
Miao, Xin, Liu, Kebin, He, Yuan, Papadias, Dimitris, Ma, Qiang, and Liu, Yunhao, Agnostic Diagnosis: Discovering Silent Failures in Wireless Sensor Networks; *TWC December 2013 6067-6075*
Michalopoulos, Diomidis S., *see* Hadzi-Velkov, Zoran, *TWC March 2013 1084-1097*
Michalopoulos, Diomidis S., Chatzidiamantis, Nestor D., Schober, Robert, and Karagiannidis, George K., The Diversity Potential of Relay Selection with Practical Channel Estimation; *TWC February 2013 481-493*
Mili, Mohammad Robat, and Hamdi, Khairi Ashour, Minimum BER Analysis in Interference Channels; *TWC July 2013 3191-3201*
Min, Geyong, *see* Jin, Xiaolong, *TWC June 2013 2598-2607*
Mirghaderi, Reza, and Goldsmith, Andrea, Energy-Efficient Communication via Feedback; *TWC July 2013 3338-3349*
Mitran, Patrick, *see* Alian, Ehsan Haj Mirza, *TWC September 2013 4668-4679*
Mitran, Patrick, *see* Faraji-Dana, Zahra, *TWC January 2013 312-319*
Mo, Jianhua, *see* Liu, Yuan, *TWC May 2013 2206-2216*
Mohammadi, Mohammadali, Sadeghi, Parastoo, Lamahewa, Tharaka A., and Ardebilipour, Mehrdad, Impact of Unknown Time-varying Fading on the Information Rates of Amplify and Forward Cooperative Systems; *TWC January 2013 146-157*
Moharrer, Ali, *see* Seyedi, Younes, *TWC August 2013 3760-3769*
Mokari, Nader, Azmi, Paeiz, and Saeedi, Hamid, Quantized Ergodic Radio Resource Allocation in OFDMA-Based Cognitive DF Relay-Assisted Networks; *TWC October 2013 5110-5123*
Molisch, Andreas F., *see* Zhang, Qian, *TWC August 2013 3746-3759*
Molisch, Andreas F., *see* He, Ruisi, *TWC February 2013 794-805*
Molteni, Daniele, and Nicoli, Monica, Joint OSC Receiver for Evolved GSM/EDGE Systems; *TWC June 2013 2608-2619*
Monemi, Mehdi, Asli, ALi Reza Zolghardr, Haghighi, Shapoor Golbahar, and Rasti, Mehdi, Distributed Multiple Target-SINRs Tracking Power Control in Wireless Multirate Data Networks; *TWC April 2013 1850-1859*
Monroy, Edwin, Choi, Sunghyun, and Jabbari, Bijan, Linear Precoding with Resource Allocation for MIMO Relay Channels; *TWC November 2013 5704-5716*
Montezuma, P., *see* Pereira, M., *TWC December 2013 5953-5965*
Montezuma, Paulo, *see* Luzio, Miguel, *TWC September 2013 4496-4505*
Moon, Hichan, Optimum Power Allocation for Preamble Detection With Channel-Adaptive Random Access; *TWC November 2013 5424-5433*
Moon, Sung-Hyun, *see* Lee, Sang-Rim, *TWC June 2013 2578-2587*
Moon, Sung-Hyun, *see* Lee, Sang-Rim, *TWC January 2013 228-236*
Moon, Sunghwan, *see* Chung, Jong-Moon, *TWC February 2013 606-615*
Moosavi, Reza, and Larsson, Erik G., Reducing Physical Layer Control Signaling Using Mobile-Assisted Scheduling; *TWC January 2013 368-379*
Morabito, Giacomo, *see* Galluccio, Laura, *TWC August 2013 3696-3709*
Moretti, Marco, and Perez-Neira, Ana Isabel, Efficient Margin Adaptive Scheduling for MIMO-OFDMA Systems; *TWC January 2013 278-287*
Moretti, Marco, Lottici, Vincenzo, Reggiannini, Ruggero, and Dainelli, Giulio, Combined Pilot-Aided and Decision-Directed Carrier Synchronization for Filtered Multitone Wireless Systems; *TWC February 2013 748-757*
Mostofi, Yasamin, *see* Yan, Yuan, *TWC April 2013 1562-1572*
Motani, Mehul, *see* Chen, Zhi, *TWC April 2013 1947-1957*
Mousavifar, Seyed A., and Leung, Cyril, Lifetime Analysis of a Two-Hop Amplify-and-Forward Opportunistic Wireless Relay Network; *TWC March 2013 1186-1195*
Mow, Wai Ho, *see* Kapetanovic, Dzevdan, *TWC May 2013 2104-2113*
Mudumbai, Raghuraman, *see* Quitin, Franeois, *TWC March 2013 1418-1428*
Mueck, Markus, *see* Yu, Yiwei, *TWC April 2013 1783-1793*
Muhaidat, Sami, *see* Eghbali, Homa, *TWC May 2013 2034-2045*
Mukherjee, Amitav, and Swindlehurst, A. Lee, Prescient Precoding in Heterogeneous DSA Networks with Both Underlay and Interweave MIMO Cognitive Radios; *TWC May 2013 2252-2260*
Mukhopadhyay, Arpan, Mehta, Neelesh B., and Srinivasan, Vikram, Design and Analysis of an Acknowledgment-Aware Asynchronous MPR MAC Protocol for Distributed WLANs; *TWC May 2013 2068-2079*
Munasinghe, Kumudu S., *see* Hossain, Md. Farhad, *TWC November 2013 5929-5939*
Muralidharan, Vijayvaradharaj T., and Rajan, B. Sundar, Performance Analysis of Adaptive Physical Layer Network Coding for Wireless Two-Way Relaying; *TWC March 2013 1328-1339*
Muralidharan, Vijayvaradharaj T., and Rajan, B. Sundar, Wireless Network Coding for MIMO Two-Way Relaying; *TWC July 2013 3566-3577*
Muralidharan, Vijayvaradharaj T., and Rajan, B. Sundar, Physical Layer Network Coding for the K-User Multiple Access Relay Channel; *TWC June 2013 3107-3119*
Murch, Ross D., *see* Li, Shenghong, *TWC April 2013 1923-1935*
Murthy, Chandra R., *see* Stephen, Reuben George, *TWC August 2013 3813-3823*
Murthy, Chandra R., *see* Kumar, Santhosh, *TWC March 2013 1006-1017*
Musavian, Leila, *see* Helmy, Amir, *TWC September 2013 4529-4541*
Mutairi, Abdulmohsen, Roy, Sumit, and Hwang, Ganguk, Delay Analysis of OFDMA-Aloha; *TWC January 2013 89-99*

N

Nallanathan, Arumugam, *see* Zhao, Nan, *TWC October 2013 5008-5021*
Namboodiri, Vishnu, Venugopal, Kiran, and Rajan, B. Sundar, Physical Layer Network Coding for Two-Way Relaying with QAM; *TWC October 2013 5074-5086*
Nasir, Ali A., Zhou, Xiangyun, Durrani, Salman, and Kennedy, Rodney A., Relaying Protocols for Wireless Energy Harvesting and Information Processing; *TWC July 2013 3622-3636*
Nasiri-Kenari, Masoumeh, *see* Shokri-Ghadikolaei, Hossein, *TWC May 2013 2055-2067*
Nasser, Nidal, Karim, Lutful, and Taleb, Tarik, Dynamic Multilevel Priority Packet Scheduling Scheme for Wireless Sensor Network; *TWC April 2013 1448-1459*
Natarajan, Balasubramaniam, *see* Sengupta, Avik, *TWC May 2013 2458-2469*
Natarajan, Lakshmi Prasad, and Rajan, B. Sundar, Asymptotically-Good, Multigroup Decodable Space-Time Block Codes; *TWC October 2013 5035-5047*
Natarajan, Lakshmi Prasad, and Rajan, B. Sundar, Full-Rate Full-Diversity Finite Feedback Space-Time Schemes with Minimum Feedback and Transmission Duration; *TWC October 2013 5022-5034*
Navaie, Keivan, *see* Khoshkholgh, Mohammad G., *TWC July 2013 3264-3277*
Ng, Derrick Wing Kwan, Lo, Ernest S., and Schober, Robert, Wireless Information and Power Transfer: Energy Efficiency Optimization in OFDMA Systems; *TWC December 2013 6352-6370*
Ng, Derrick Wing Kwan, *see* Ahmed, Imtiaz, *TWC December 2013 6255-6267*
Ng, Derrick Wing Kwan, Lo, Ernest S., and Schober, Robert, Energy-Efficient Resource Allocation in OFDMA Systems with Hybrid Energy Harvesting Base Station; *TWC July 2013 3412-3427*
Ng, Seh Chun, Mao, Guoqiang, and Anderson, Brian D. O., Critical Density for Connectivity in 2D and 3D Wireless Multi-Hop Networks; *TWC April 2013 1512-1523*
Ng, Soon Xin, *see* Nguyen, Hung Viet, *TWC March 2013 1231-1243*
Nguyen, Ha H., *see* Phan, A. H., *TWC April 2013 1617-1627*
Nguyen, Hung Viet, Ng, Soon Xin, and Hanzo, Lajos, Irregular Convolution and Unity-Rate Coded Network-Coding for Cooperative Multi-User Communications; *TWC March 2013 1231-1243*

Nguyen, Huy, Zheng, Guanbo, Zheng, Rong, and Han, Zhu, Binary Inference for Primary User Separation in Cognitive Radio Networks; *TWC April 2013 1532-1542*

Nguyen, Mui Van, Lee, Sungwon, You, Sung-jin, Hong, Choong Seon, and Le, Long Bao, Cross-Layer Design for Congestion, Contention, and Power Control in CRAHNs under Packet Collision Constraints; *TWC November 2013 5557-5571*

Nguyen, Thao, Mark, Brian L., and Ephraim, Yariv, Spectrum Sensing Using a Hidden Bivariate Markov Model; *TWC September 2013 4582-4591*

Nguyen, Tri Minh, Jeong, Youngmin, Quek, Tony Q. S., Tay, Wee Peng, and Shin, Hyundong, Interference Alignment in a Poisson Field of MIMO Femtocells; *TWC June 2013 2633-2645*

Ni, Lionel M., *see* Wang, Lu, *TWC April 2013 1712-1721*

Ni, Wei, Collings, Iain B., and Liu, Ren Ping, Decentralized User-Centric Scheduling with Low Rate Feedback for Mobile Small Cells; *TWC December 2013 6106-6120*

Nicoli, Monica, *see* Molteni, Daniele, *TWC June 2013 2608-2619*

Nikaein, Navid, *see* Wang, Lusheng, *TWC January 2013 123-133*

Ning, Peng, *see* He, Xiaofan, *TWC May 2013 2512-2523*

Niranjayan, S., and Beaulieu, Norman C., Novel Adaptive Nonlinear Receivers for UWB Multiple Access Communications; *TWC May 2013 2014-2023*

Nishiyama, Hiroki, *see* Liu, Jiajia, *TWC June 2013 3035-3047*

Niu, Binglai, Wong, Vincent W.S., and Schober, Robert, Downlink Scheduling with Transmission Strategy Selection for Multi-Cell MIMO Systems; *TWC February 2013 736-747*

Niu, Jinping, Lee, Daewon, Ren, Xiaofeng, Li, Geoffrey Y., and Su, Tao, Scheduling Exploiting Frequency and Multi-User Diversity in LTE Downlink Systems; *TWC April 2013 1843-1849*

Niu, Jinping, Lee, Daewon, Su, Tao, Li, Geoffrey Y., and Ren, Xiaofeng, User Classification and Scheduling in LTE Downlink Systems with Heterogeneous User Mobilities; *TWC December 2013 6205-6213*

Niu, Zhisheng, *see* Cao, Dongxu, *TWC August 2013 4129-4141*

Niu, Zhisheng, *see* Wu, Jian, *TWC August 2013 4196-4209*

Niu, Zhisheng, *see* He, Peter, *TWC July 2013 3637-3647*

Niu, Zhisheng, *see* Cao, Dongxu, *TWC September 2013 4350-4362*

Niyato, Dusit, *see* Le, Long Bao, *TWC January 2013 180-194*

Niyato, Dusit, *see* Guruacharya, Sudarshan, *TWC October 2013 5360-5372*

Niyato, Dusit, *see* Guruacharya, Sudarshan, *TWC April 2013 1543-1553*

Noam, Yair, and Goldsmith, Andrea J., Blind Null-Space Learning for MIMO Underlay Cognitive Radio with Primary User Interference Adaptation; *TWC April 2013 1722-1734*

Noh, Gosan, *see* Lim, Sungmook, *TWC November 2013 5679-5691*

Noh, Jung-Hoon, and Oh, Seong-Jun, Beamforming in a Multi-User Cognitive Radio System with Partial Channel State Information; *TWC February 2013 616-625*

Nordio, Alessandro, Forutan, Vahid, and Chiasserini, Carla-Fabiana, Upper Bounds to the Performance of Cooperative Traffic Relaying in Wireless Linear Networks; *TWC March 2013 1-9*

Nosratinia, Aria, *see* Kim, Young-bin, *TWC September 2013 4680-4691*

Nosratinia, Aria, *see* Van Nguyen, Thuy, *TWC May 2013 1969-1977*

Nosratinia, Aria, *see* Abouelseoud, Mohamed, *TWC April 2013 1735-1743*

Nosratinia, Aria, *see* Mehana, Ahmed Hesham, *TWC June 2013 2697-2705*

Nosratinia, Aria, *see* Mehana, Ahmed Hesham, *TWC January 2013 388-397*

Nossek, Josef A., *see* Bendlin, Ralf, *TWC July 2013 3148-3157*

Nounou, Hazem, *see* Ahmad, Aitzaz, *TWC October 2013 5322-5333*

Nounou, Mohamed, *see* Ahmad, Aitzaz, *TWC October 2013 5322-5333*

Nour, Charbel Abdel, *see* Yang, Jianxiao, *TWC June 2013 3060-3071*

Novlan, Thomas D., Dhillon, Harpreet S., and Andrews, Jeffrey G., Analytical Modeling of Uplink Cellular Networks; *TWC June 2013 2669-2679*

Nunez-Vega, G., *see* Rodriguez-Avila, R., *TWC May 2013 2171-2179*

O

Ochiai, Hideki, *see* Ishibashi, Koji, *TWC May 2013 2137-2147*

Odeh, Maha, *see* Imran, Reema, *TWC August 2013 4153-4161*

Oh, Daegun, Kim, Sangdeok, Yoon, Sang-Hun, and Chong, Jong-Wha, Two-Dimensional ESPRIT-Like Shift-Invariant TOA Estimation Algorithm Using Multi-Band Chirp Signals Robust to Carrier Frequency Offset; *TWC July 2013 3130-3139*

Oh, Eunsung, Son, Kyuho, and Krishnamachari, Bhaskar, Dynamic Base Station Switching-On/Off Strategies for Green Cellular Networks; *TWC May 2013 2126-2136*

Oh, Seong-Jun, *see* Noh, Jung-Hoon, *TWC February 2013 616-625*

Oien, Geir E., *see* Mahmood, Nurul H., *TWC September 2013 4422-4433*

Oliveira, R., *see* Pereira, M., *TWC December 2013 5953-5965*

Olmos, Juan J., Ferrus, Ramon, and Galeana-Zapien, Hiram, Analytical Modeling and Performance Evaluation of Cell Selection Algorithms for Mobile Networks with Backhaul Capacity Constraints; *TWC December 2013 6011-6023*

Osman, Hassan, Zhu, Huiling, Toumpakaris, Dimitris, and Wang, Jiangzhou, Achievable Rate Evaluation of In-Building Distributed Antenna Systems; *TWC July 2013 3510-3521*

Ottersten, Bjdotrm orn, *see* Zheng, Gan, *TWC May 2013 2498-2511*

Ottersten, Bjorn, *see* Sharma, Shree Krishna, *TWC December 2013 6392-6405*

Ottersten, Bjorn, *see* Tran, Le-Nam, *TWC March 2013 1173-1185*

Ozdemir, Kemal, *see* Salari, Soheil, *TWC December 2013 5966-5978*

Ozyurt, Serdar, and Torlak, Murat, Exact Joint Distribution Analysis of Zero-Forcing V-BLAST Gains with Greedy Ordering; *TWC November 2013 5377-5385*

Ozyurt, Serdar, and Torlak, Murat, Unified Performance Analysis of Orthogonal Transmit Beamforming Methods with User Selection; *TWC March 2013 1026-1037*

P

Pados, Dimitris A., *see* Ding, Lei, *TWC November 2013 5394-5405*

Palazzo, Sergio, *see* Galluccio, Laura, *TWC August 2013 3696-3709*

Panchal, Jignesh S., Yates, Roy D., and Buddhikot, Milind M., Mobile Network Resource Sharing Options: Performance Comparisons; *TWC September 2013 4470-4482*

Papadias, Dimitris, *see* Miao, Xin, *TWC December 2013 6067-6075*

Park, Haewook, *see* Lee, Sang-Rim, *TWC December 2013 6430-6438*

Park, Haewook, Park, Seok-Hwan, Kim, Jin-Sung, and Lee, Inkyu, SINR Balancing Techniques in Coordinated Multi-Cell Downlink Systems; *TWC February 2013 626-635*

Park, Hyuncheol, *see* Song, Bongseop, *TWC November 2013 5780-5787*

Park, Jaehyun, and Clerckx, Bruno, Joint Wireless Information and Energy Transfer in a Two-User MIMO Interference Channel; *TWC August 2013 4210-4221*

Park, Seok-Hwan, *see* Park, Haewook, *TWC February 2013 626-635*

Park, Sungsoo, *see* Kim, Seokjung, *TWC February 2013 538-549*

Park, Sungsoo, Kim, Hyungjong, and Hong, Daesik, Cognitive Radio Networks with Energy Harvesting; *TWC March 2013 1386-1397*

Park, Sungsoo, and Hong, Daesik, Optimal Spectrum Access for Energy Harvesting Cognitive Radio Networks; *TWC December 2013 6166-6179*

Parpas, Panos, *see* Kong, Fook Wai, *TWC April 2013 1744-1751*

Parra-Michel, R., *see* Rodriguez-Avila, R., *TWC May 2013 2171-2179*

Parra-Michel, R., *see* Pena-Campos, F., *TWC February 2013 898-907*

Passerieux, Jean-Michel, Socheleau, Francois-Xavier, and Laot, Christophe, Achievable Rates over Doubly Selective Rician-Fading Channels under Peak-Power Constraint; *TWC February 2013 586-594*

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Pei, Changxing, *see* Zhang, Shun, *TWC March 2013 1300-1309*

Pei, Yiyang, and Liang, Ying-Chang, Resource Allocation for Device-to-Device Communications Overlaying Two-Way Cellular Networks; *TWC July 2013 3611-3621*

Pena-Campos, F., Carrasco-Alvarez, Roberto, Longoria-Gandara, O., and Parra-Michel, R., Estimation of Fast Time-Varying Channels in OFDM Systems Using Two-Dimensional Prolate; *TWC February 2013 898-907*

Pena-Martin, Juan P., Romero-Jerez, Juan M., and Tellez-Labao, Concepcion, Performance of TAS/MRC Wireless Systems Under Hoyt Fading Channels; *TWC July 2013 3350-3359*

Pereira, M., Bernardo, L., Dinis, R., Oliveira, R., Montezuma, P., and Pinto, P., Optimization of a p-persistent Network Diversity Multiple Access Protocol for a SC-FDE System; *TWC December 2013 5953-5965*

Perez-Neira, Ana Isabel, *see* Moretti, Marco, *TWC January 2013 278-287*

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Petropulu, Athina P., *see* Liu, Yupeng, *TWC September 2013 4225-4235*

Phan, A. H., Tuan, H. D., Kha, H. H., and Nguyen, Ha H., Iterative D.C. Optimization of Precoding in Wireless MIMO Relaying; *TWC April 2013 1617-1627*

Phan, Khoa T., Le-Ngoc, Tho, van der Schaar, Mihaela, and Fu, Fangwen, Optimal Scheduling over Time-Varying Channels with Traffic Admission Control: Structural Results and Online Learning Algorithms; *TWC September 2013 4434-4444*
Piao, Dazhi, Characteristics of the Hexapolarized MIMO Channel over Free-Space and Three Non-Free-Space Scenarios; *TWC August 2013 4174-4182*
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Powers, Edward J., *see* Bae, Kitaek, *TWC May 2013 2314-2322*
Prasad, Narayan, Zhang, Honghai, Zhu, Hao, and Rangarajan, Sampath, Multi-User MIMO Scheduling in the Fourth Generation Cellular Uplink; *TWC September 2013 4272-4285*
Priebe, Sebastian, and Kurner, Thomas, Stochastic Modeling of THz Indoor Radio Channels; *TWC September 2013 4445-4455*
Pulini, Paola, *see* Liva, Gianluigi, *TWC February 2013 680-689*
Pulini, Paola, Liva, Gianluigi, and Chiani, Marco, Unequal Diversity LDPC Codes for Relay Channels; *TWC November 2013 5646-5655*
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Qaraqe, Khalid, *see* Sayed, Mostafa, *TWC October 2013 4827-4839*
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Qian, Li Ping, Zhang, Ying Jun Angela, Wu, Yuan, and Chen, Jieying, Joint Base Station Association and Power Control via Benders' Decomposition; *TWC April 2013 1651-1665*
Qian, Yi, *see* Li, Qian Clara, *TWC June 2013 2658-2668*
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Qin, Haohao, Sun, Yin, Chang, Tsung-Hui, Chen, Xiang, Chi, Chong-Yung, Zhao, Ming, and Wang, Jing, Power Allocation and Time-Domain Artificial Noise Design for Wiretap OFDM with Discrete Inputs; *TWC June 2013 2717-2729*
Qin, Hua, and Zhang, Wensheng, ZigBee-Assisted Power Saving for More Efficient and Sustainable Ad Hoc Networks; *TWC December 2013 6180-6193*
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Quist, Britton T., and Jensen, Michael A., Maximizing the Secret Key Rate for Informed Radios under Different Channel Conditions; *TWC October 2013 5146-5153*
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Ramirez, David, and Aazhang, Behnaam, Optimal Routing and Power Allocation for Wireless Networks with Imperfect Full-Duplex Nodes; *TWC September 2013 4692-4704*
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Rangarajan, Sampath, *see* Prasad, Narayan, *TWC September 2013 4272-4285*
Rao, Anlei, Ma, Hao, Alouini, Mohamed-Slim, and Chen, Yunfei, Impact of Primary User Traffic on Adaptive Transmission for Cognitive Radio with Partial Relay Selection; *TWC March 2013 1162-1172*
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Rao, Bhaskar, *see* Tan, Sheu-Sheu, *TWC December 2013 6214-6227*
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Rasti, Mehdi, and Hossain, Ekram, Distributed Priority-Based Power and Admission Control in Cellular Wireless Networks; *TWC September 2013 4483-4495*
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Razi, Abolfazl, Afghah, Fatemeh, and Abedi, Ali, Power Optimized DSTBC Assisted DMF Relaying in Wireless Sensor Networks with Redundant Super Nodes; *TWC February 2013 636-645*
Razzac, Amal Abdel, Elayoubi, Salah Eddine, Chahed, Tijani, and Elhassan, Bachar, Dimensioning and Profit Sharing in Hybrid LTE/DVB Systems to Offer Mobile TV Services; *TWC December 2013 6314-6327*
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Reig, Juan, and Rubio, Lorenzo, Estimation of the Composite Fast Fading and Shadowing Distribution Using the Log-Moments in Wireless Communications; *TWC August 2013 3672-3681*
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Ren, Fengyuan, *see* Xu, Yinsheng, *TWC April 2013 1752-1761*
Ren, Jian, and Harn, Lein, An Efficient Threshold Anonymous Authentication Scheme for Privacy-Preserving Communications; *TWC March 2013 1018-1025*
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Richa, Andrea, *see* Yang, Dejun, *TWC August 2013 4038-4047*
Riera-Palou, Felip, and Femenias, Guillem, On Detection Strategies for Linearly Precoded MIMO-OFDM Systems with CSIT; *TWC December 2013 5979-5991*
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Rodriguez-Avila, R., Nunez-Vega, G., Parra-Michel, R., and Mendez-Vazquez, A., Frequency-Selective Joint Tx/Rx I/Q Imbalance Estimation Using Golay Complementary Sequences; *TWC May 2013 2171-2179*
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Rong, Bo, Wu, Yiyan, and Gagnon, Gilles, Multi-Layer Iterative LDPC Decoding for Broadband Wireless Access Networks: A Recursive Shortening Algorithm; *TWC March 2013 1320-1327*
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Rost, Peter, Robust and Efficient Multi-Cell Cooperation under Imperfect CSI and Limited Backhaul; *TWC April 2013 1910-1922*
Rout, Rashmi Ranjan, and Ghosh, Soumya K., Enhancement of Lifetime using Duty Cycle and Network Coding in Wireless Sensor Networks; *TWC February 2013 656-667*
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Sakaguchi, Kei, *see* Lertwiram, Namzilp, *TWC June 2013 2977-2987*
Sakzad, Amin, Harshan, J., and Viterbo, Emanuele, Integer-Forcing MIMO Linear Receivers Based on Lattice Reduction; *TWC October 2013 4905-4915*
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Salari, Soheil, Shahbazpanahi, Shahram, and Ozdemir, Kemal, Mobility-Aided Wireless Sensor Network Localization via Semidefinite Programming; *TWC December 2013 5966-5978*
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Sallent, O., *see* Bouali, F., *TWC December 2013 6228-6243*
Salvo Rossi, Pierluigi, *see* Ciuonzo, Domenico, *TWC September 2013 4716-4728*
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Sayed, Mostafa, Abdallah, Mohamed, Qaraqe, Khalid, and Alouini, Mohamed-Slim, Joint Switched Multi-Spectrum and Transmit Antenna Diversity for Spectrum Sharing Systems; *TWC October 2013 4827-4839*
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Sedighi, Saeid, Taherpour, Abbas, and Sala, Josep, Spectrum Sensing Using Correlated Receiving Multiple Antennas in Cognitive Radios; *TWC November 2013 5754-5766*
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Seyedi, Younes, Shirazi, Mojtaba, Moharrer, Ali, Safavi, Seyed Mostafa, and Amindavar, Hamidreza, Use of Shadowing Moments to Statistically Model Mobile Satellite Channels in Urban Environments; *TWC August 2013 3760-3769*
ShahbazPanahi, Shahram, and Dong, Min, Corrections to "Achievable Rate Region under Joint Distributed Beamforming and Power Allocation for Two-Way Relay Networks" [Nov 12 4026-4037]; *TWC October 2013 5373*
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Soh, Yong Sheng, Quek, Tony Q. S., Kountouris, Marios, and Caire, Giuseppe, Cognitive Hybrid Division Duplex for Two-Tier Femtocell Networks; *TWC October 2013 4852-4865*
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Soltani, Nasim Yahya, Kim, Seung-Jun, and Giannakis, Georgios B., Chance-Constrained Optimization of OFDMA Cognitive Radio Uplinks; *TWC March 2013 1098-1107*
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Son, Kyuho, *see* Oh, Eunsung, *TWC May 2013 2126-2136*
Song, Bongseop, and Park, Hyuncheol, A Binary Space-Time Code for Additional Diversity Gains; *TWC November 2013 5780-5787*
Song, Chunyi, and Harada, Hiroshi, Proposal and Hardware Implementation of a Partial Bandwidth Based Feature Detection Method for Sensing under Adjacent Channel Interference; *TWC November 2013 5444-5453*
Song, Hojin, Hong, Jun-Pyo, and Choi, Wan, On the Optimal Switching Probability for a Hybrid Cognitive Radio System; *TWC April 2013 1594-1605*
Song, Ju Bin, *see* Li, Husheng, *TWC September 2013 4658-4667*
Song, Lingyang, *see* Deng, Jun, *TWC September 2013 4236-4245*
Song, Min, *see* Xin, ChunSheng, *TWC October 2013 5154-5161*
Song, Moon-Gun, *see* Kim, Young-Jin, *TWC August 2013 4142-4152*
Song, Qingyang, *see* Huang, Yang, *TWC August 2013 4048-4057*
Song, S. H., Almutairi, Ali F., and Letaief, K. B., Outage-Capacity Based Adaptive Relaying in LTE-Advanced Networks; *TWC September 2013 4778-4787*
Song, S. H., Hasna, M. O., and Letaief, K. B., Prior Zero Forcing for Cognitive Relaying; *TWC February 2013 938-947*
Sousa, Elvino S., *see* Golkar, Bijan, *TWC November 2013 5572-5583*
Souza, Richard Demo, *see* Brante, Glauber, *TWC November 2013 5896-5907*
Sreng, Sokchenda, Escrig, Benoit, and Boucheret, Marie-Laure, Exact Symbol Error Probability of Hybrid/Integrated Satellite-Terrestrial Cooperative Network; *TWC March 2013 1310-1319*
Srinivasan, Vikram, *see* Mukhopadhyay, Arpan, *TWC May 2013 2068-2079*
Stamatiou, Kostas, Casari, Paolo, and Zorzi, Michele, The Throughput of Underwater Networks: Analysis and Validation using a Ray Tracing Simulator; *TWC March 2013 1108-1117*
Stanojev, Igor, and Yener, Aylin, Improving Secrecy Rate via Spectrum Leasing for Friendly Jamming; *TWC January 2013 134-145*
Stephen, Reuben George, Murthy, Chandra R., and Coupechoux, Marceau, A Markov Decision Theoretic Approach to Pilot Allocation and Receive Antenna Selection; *TWC August 2013 3813-3823*
Stojanovic, Milica, *see* Fazel, Fatemeh, *TWC May 2013 2114-2125*
Stupia, Ivan, *see* Brante, Glauber, *TWC November 2013 5896-5907*
Su, Tao, *see* Niu, Jinping, *TWC December 2013 6205-6213*
Su, Tao, *see* Niu, Jinping, *TWC April 2013 1843-1849*
Su, Weifeng, Matyjas, John D., Gans, Michael J., and Batalama, Stella, Maximum Achievable Capacity in Airborne MIMO Communications with Arbitrary Alignments of Linear Transceiver Antenna Arrays; *TWC November 2013 5584-5593*
Sugiura, Shinya, and Hanzo, Lajos, On the Joint Optimization of Dispersion Matrices and Constellations for Near-Capacity Irregular Precoded Space-Time Shift Keying; *TWC January 2013 380-387*
Sultan, Ahmed K., *see* Arafa, Ahmed M., *TWC July 2013 3226-3237*
Sun, De-Chun, *see* Liu, Zu-Jun, *TWC April 2013 1678-1685*
Sun, Fan, *see* Thai, Chan Dai Truyen, *TWC July 2013 3289-3299*
Sun, Hongjian, *see* Zhao, Nan, *TWC October 2013 5008-5021*
Sun, Liang, and Lei, Ming, Quantized CSI-Based Tomlinson-Harashima Precoding in Multiuser MIMO Systems; *TWC March 2013 1118-1126*
Sun, Ruoyu, and Matolak, David W., Characterization of the 5-GHz Elevator Shaft Channel; *TWC October 2013 5138-5145*
Sun, Sumei, *see* Ho, Chin Keong, *TWC April 2013 1898-1909*
Sun, Sumei, *see* Adachi, Koichi, *TWC November 2013 5656-5667*
Sun, Sumei, *see* Lei, Lei, *TWC November 2013 5767-5779*
Sun, Xiangxia, and Tsang, Danny H. K., Energy-Efficient Cooperative Sensing Scheduling for Multi-Band Cognitive Radio Networks; *TWC October 2013 4943-4955*
Sun, Xinghua, *see* Gao, Yayu, *TWC January 2013 398-411*
Sun, Xuebin, *see* Li, Bin, *TWC February 2013 504-515*
Sun, Yin, *see* He, Fei, *TWC June 2013 2904-2917*
Sun, Yin, *see* Zhang, Xiujun, *TWC May 2013 2281-2291*
Sun, Yin, *see* Qin, Haohao, *TWC June 2013 2717-2729*
Sun, Youxian, *see* Zhang, Yongmin, *TWC June 2013 3096-3106*
Sun, Yu-e, *see* Chen, Zhili, *TWC August 2013 3838-3850*
Sun, Yu-e, *see* Xu, Hongli, *TWC December 2013 6328-6339*
Sun, Zhi, and Akyildiz, Ian F., Optimal Deployment for Magnetic Induction-Based Wireless Networks in Challenged Environments; *TWC March 2013 996-1005*
Sung, Chang Kyung, *see* Egan, Malcolm, *TWC August 2013 3710-3721*
Sung, Chi Wan, *see* Dai, Mingjun, *TWC January 2013 218-227*
Suthisopapan, Puripong, Kasai, Kenta, Meesomboon, Anupap, and Imtawil, Virasit, Achieving Near Capacity of Non-Binary LDPC Coded Large MIMO Systems with a Novel Ultra Low-Complexity Soft-Output Detector; *TWC October 2013 5185-5199*
Sutton, Gordon J., *see* Liu, Ren Ping, *TWC October 2013 5374*
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T

Tabassum, Hina, Yilmaz, Ferkan, Dawy, Zaher, and Alouini, Mohamed-Slim, A Framework for Uplink Intercell Interference Modeling with Channel-Based Scheduling; *TWC January 2013 206-217*
Tadayon, Navid, and Aissa, Sonia, Modeling and Analysis of Cognitive Radio Based IEEE 802.22 Wireless Regional Area Networks; *TWC September 2013 4363-4375*
Tafazolli, Rahim, *see* Yi, Na, *TWC June 2013 2797-2805*
Taherpour, Abbas, *see* Sedighi, Saeid, *TWC November 2013 5754-5766*
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Tan, Chee Wei, *see* Huang, Yichao, *TWC June 2013 2730-2742*
Tan, Peng Hui, *see* Adachi, Koichi, *TWC November 2013 5656-5667*
Tan, Sheu-Sheu, Zeidler, James, and Rao, Bhaskar, Opportunistic Spectrum Access for Cognitive Radio Networks withMultiple Secondary Users; *TWC December 2013 6214-6227*
Tan, Sheu-Sheu, Zeidler, James, and Rao, Bhaskar, Opportunistic Channel-Aware Spectrum Access for Cognitive Radio Networks with Interleaved Transmission and Sensing; *TWC May 2013 2376-2388*
Tan, Zhenhui, *see* Zhang, Xiuning, *TWC November 2013 5607-5619*
Tanda, Mario, *see* Mattera, Davide, *TWC January 2013 268-277*
Tang, Ling, Gong, Xiaowen, Wu, Jianhui, and Zhang, Junshan, Target Detection in Bistatic Radar Networks: Node Placement and Repeated Security Game; *TWC March 2013 1279-1289*
Tang, Shaohua, *see* He, Daojing, *TWC September 2013 4638-4646*
Tang, Xiaohu, *see* Zhang, Lijuan, *TWC November 2013 5493-5505*
Tang, Yu, Zhang, Bowu, Jing, Tao, Wu, Dengyuan, and Cheng, Xiuzhen, Robust Compressive Data Gathering in Wireless Sensor Networks; *TWC June 2013 2754-2761*
Tao, Cheng, *see* Zhang, Xiuning, *TWC November 2013 5607-5619*
Tao, Meixia, *see* Liu, Yuan, *TWC May 2013 2206-2216*

Tao, Meixia, and Liu, Yuan, A Network Flow Approach to Throughput Maximization in Cooperative OFDMA Networks; *TWC March 2013 1138-1148*
Tao, Meixia, *see* Xiang, Zhengzheng, *TWC January 2013 12-21*
Tao, Meixia, *see* Liu, Yuan, *TWC January 2013 237-247*
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Tay, Wee Peng, *see* Nguyen, Tri Minh, *TWC June 2013 2633-2645*
Tehrani, Mohsen Nader, and Uysal, Murat, Spectrum Trading for Non-Identical Channel Allocation in Cognitive Radio Networks; *TWC October 2013 5100-5109*
Teixeira, Bernardo Vieira, *see* Santos Filho, Jose Cendido Silveira, *TWC May 2013 2323-2333*
Tekbiyik, Neyre, Girici, Tolga, Uysal-Biyikoglu, Elif, and Leblebicioglu, Kemal, Proportional Fair Resource Allocation on an Energy Harvesting Downlink; *TWC April 2013 1699-1711*
Tellambura, Chintha, *see* Amarasuriya, Gayan, *TWC September 2013 4456-4469*
Tellez-Labao, Concepcion, *see* Pena-Martin, Juan P., *TWC July 2013 3350-3359*
Teymoori, Peyman, Yazdani, Nasser, and Khonsari, Ahmad, DT-MAC: An Efficient and Scalable Medium Access Control Protocol for Wireless Networks; *TWC March 2013 1268-1278*
Thai, Chan Dai Truyen, Popovski, Petar, de Carvalho, Elisabeth, and Sun, Fan, Diversity-Multiplexing Trade-off for Coordinated Direct and Relay Schemes; *TWC July 2013 3289-3299*
Thian, Boon Sim, and Goldsmith, Andrea, Reduced-Complexity Robust MIMO Decoders; *TWC August 2013 3783-3795*
Thilina, Karaputugala G. Madushan, and Hossain, Ekram, Optimal-Switching Adaptive Modulation for Multiuser Relay Networks with Feedback Delays; *TWC August 2013 3682-3695*
Thompson, John, *see* Ku, Ivan, *TWC October 2013 4970-4982*
Tian, Xiaohua, *see* Zheng, Haifeng, *TWC February 2013 917-927*
To, Duc, *see* Choi, Jinho, *TWC February 2013 769-781*
To, Duc, *see* Choi, Jinho, *TWC February 2013 561-573*
Tomasoni, Alessandro, Gatti, Devis, Bellini, Sandro, Ferrari, Marco, and Siti, Massimiliano, Efficient OFDM Channel Estimation via an Information Criterion; *TWC March 2013 1352-1362*
Torlak, Murat, *see* Ozyurt, Serdar, *TWC November 2013 5377-5385*
Torlak, Murat, *see* Ozyurt, Serdar, *TWC March 2013 1026-1037*
Toumpakaris, Dimitris, *see* Osman, Hassan, *TWC July 2013 3510-3521*
Tran, Gia Khanh, *see* Lertwiram, Namzilp, *TWC June 2013 2977-2987*
Tran, L. C., Mertins, A., and Wysocki, T. A., Unitary Differential Space-Time-Frequency Codes for MB-OFDM UWB Wireless Communications; *TWC February 2013 862-876*
Tran, Le-Nam, Juntti, Markku, Bengtsson, Mats, and Ottersten, Bjorn, Beamformer Designs for MISO Broadcast Channels with Zero-Forcing Dirty Paper Coding; *TWC March 2013 1173-1185*
Tran, Tuan T., Li, Hongxiang, Ru, Guanying, Kerczewski, Robert J., Liu, Lingjia, and Khan, Samee U., Secure Wireless Multicast for Delay-Sensitive Data via Network Coding; *TWC July 2013 3372-3387*
Tsai, Yuh-Ren, Huang, Hao-Yun, Chen, Yen-Chen, and Yang, Kai-Jie, Simultaneous Multiple Carrier Frequency Offsets Estimation for Coordinated Multi-Point Transmission in OFDM Systems; *TWC September 2013 4558-4568*
Tsang, Danny H. K., *see* Sun, Xiangxia, *TWC October 2013 4943-4955*
Tsou, Yao-Tung, Lu, Chun-Shien, and Kuo, Sy-Yen, MoteSec-Aware: A Practical Secure Mechanism for Wireless Sensor Networks; *TWC June 2013 2817-2829*
Tuan, H. D., *see* Phan, A. H., *TWC April 2013 1617-1627*
Tufvesson, Fredrik, *see* Zhu, Meifang, *TWC February 2013 888-897*
Tutay, Mehmet Emin, Gezici, Sinan, and Arikan, Orhan, Optimal Randomization of Signal Constellations on the Downlink of a Multiuser DS-CDMA System; *TWC October 2013 4878-4891*
Tychogiorgos, Georgios, Gkelias, Athanasios, and Leung, Kin K., A Non-Convex Distributed Optimization Framework and its Application to Wireless Ad-hoc Networks; *TWC September 2013 4286-4296*

U

Uysal, Murat, *see* Tehrani, Mohsen Nader, *TWC October 2013 5100-5109*
Uysal-Biyikoglu, Elif, *see* Tekbiyik, Neyre, *TWC April 2013 1699-1711*

V

Vahidnia, Reza, and Shahbazpanahi, Shahram, Multi-Carrier Asynchronous Bi-Directional Relay Networks: Joint Subcarrier Power Allocation and Network Beamforming; *TWC August 2013 3796-3812*
Valenzuela, R. A., *see* Ahumada, L., *TWC June 2013 2830-2839*
Valenzuela, Reinaldo A., *see* Dhillon, Harpreet S., *TWC November 2013 5740-5753*
Valkama, Mikko, *see* Gokceoglu, Ahmet, *TWC June 2013 3048-3059*
van der Schaar, Mihaela, *see* Phan, Khoa T., *TWC September 2013 4434-4444*
Van Nguyen, Thuy, Nosratinia, Aria, and Divsalar, Dariush, Bilayer Protograph Codes for Half-Duplex Relay Channels; *TWC May 2013 1969-1977*
Vandendorpe, Luc, *see* Brante, Glauber, *TWC November 2013 5896-5907*
Vanli, N. Denizcan, *see* Dulek, Berkan, *TWC September 2013 4627-4637*
Varshney, Pramod K., *see* Dulek, Berkan, *TWC September 2013 4627-4637*
Vastberg, Anders, *see* Miao, Guowang, *TWC August 2013 4102-4109*
Vasudevan, Subramanian, Pupala, Rahul N., and Sivanesan, Kathiravetpillai, Dynamic eICIC — A Proactive Strategy for Improving Spectral Efficiencies of Heterogeneous LTE Cellular Networks by Leveraging User Mobility and Traffic Dynamics; *TWC October 2013 4956-4969*
Veeravalli, Venugopal, *see* Wilson, Craig, *TWC June 2013 2952-2961*
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Wang, Beibei, *see* Yang, Yu-Han, *TWC January 2013 346-357*
Wang, Cheng-Xiang, *see* Xiang, Lin, *TWC March 2013 961-973*
Wang, Cheng-Xiang, *see* Ku, Ivan, *TWC October 2013 4970-4982*
Wang, Chih-Yu, *see* Yang, Yu-Han, *TWC October 2013 5048-5060*
Wang, Chih-Yu, and Wei, Hung-Yu, Profit Maximization in Femtocell Service with Contract Design; *TWC May 2013 1978-1988*
Wang, Chonggang, *see* Cheng, Jie, *TWC February 2013 850-861*
Wang, Dan, *see* Cheng, Jie, *TWC February 2013 850-861*
Wang, Gang, Wu, Jingxian, Zhou, Guoqing, and Li, Geoffrey Ye, Collision-Tolerant Media Access Control for Asynchronous Users over Frequency-Selective Channels; *TWC October 2013 5162-5171*
Wang, Gang, *see* Yuan, Fang, *TWC August 2013 3980-3994*
Wang, Gongpu, *see* He, Ruisi, *TWC February 2013 794-805*
Wang, Haining, *see* Cierny, Michal, *TWC October 2013 5061-5073*
Wang, Haohong, *see* Zhou, Liang, *TWC August 2013 3733-3745*
Wang, He, Zhou, Xiangyun, and Reed, Mark C., Physical Layer Security in Cellular Networks: A Stochastic Geometry Approach; *TWC June 2013 2776-2787*
Wang, Hengtao, Zhao, Qianchuan, Guan, Xiaohong, Jia, Qing-Shan, and Li, Li, Reconfiguring Networked Infrastructures by Adding Wireless Communication Capabilities to Selected Nodes; *TWC September 2013 4518-4528*
Wang, Hongyu, *see* Wang, Jie, *TWC May 2013 2355-2365*
Wang, Huahui, *see* Zhang, Lei, *TWC January 2013 70-79*
Wang, Jiangzhou, *see* Osman, Hassan, *TWC July 2013 3510-3521*
Wang, Jianxin, *see* Zou, Jun, *TWC August 2013 3995-4009*
Wang, Jie, Gao, Qinghua, Wang, Hongyu, Yu, Yan, and Jin, Minglu, Time-of-Flight-Based Radio Tomography for Device Free Localization; *TWC May 2013 2355-2365*
Wang, Jie-Ling, *see* Liu, Zu-Jun, *TWC April 2013 1678-1685*
Wang, Jing, *see* Zhang, Xiujun, *TWC May 2013 2281-2291*
Wang, Jing, *see* Qin, Haohao, *TWC June 2013 2717-2729*
Wang, Jinlong, *see* Wu, Qihui, *TWC February 2013 516-526*
Wang, Jinlong, *see* Xu, Yuhua, *TWC October 2013 4814-4826*

Wang, Jun, Chen, Jianshu, and Cabric, Danijela, Cramer-Rao Bounds for Joint RSS/DoA-Based Primary-User Localization in Cognitive Radio Networks; *TWC March 2013 1363-1375*
Wang, Kun-Yu, Jacklin, Neil, Ding, Zhi, and Chi, Chong-Yung, Robust {MISO Transmit} Optimization under Outage-Based QoS Constraints in Two-Tier Heterogeneous Networks; *TWC April 2013 1883-1897*
Wang, Lu, Wu, Kaishun, Hamdi, Mounir, and Ni, Lionel M., Attachment-Learning for Multi-Channel Allocation in Distributed OFDMA-Based Networks; *TWC April 2013 1712-1721*
Wang, Lusheng, Goursaud, Claire, Nikaein, Navid, Cottatellucci, Laura, and Gorce, Jean-Marie, Cooperative Scheduling for Coexisting Body Area Networks; *TWC January 2013 123-133*
Wang, Mao, *see* Zou, Jun, *TWC August 2013 3995-4009*
Wang, Ping, *see* Gong, Shimin, *TWC May 2013 2217-2227*
Wang, Qi, *see* Simko, Michal, *TWC September 2013 4705-4715*
Wang, Shiqiang, *see* Huang, Yang, *TWC August 2013 4048-4057*
Wang, Shu-Hsien, Hsu, Chih-Yu, and Hong, Y.-W. Peter, Distributed Exploitation of Spectrum and Channel State Information for Channel Reservation and Selection in Interweave Cognitive Radio Networks; *TWC July 2013 3458-3472*
Wang, Tianqi, Seyedi, Alireza, Vosoughi, Azadeh, and Heinzelman, Wendi, Optimal Rate Allocation for Distributed Source Coding over Gaussian Multiple Access Channels; *TWC May 2013 2002-2013*
Wang, Tsang-Yi, *see* Wu, Jwo-Yuh, *TWC June 2013 2853-2869*
Wang, Wei, *see* Zhang, Yu, *TWC July 2013 3158-3169*
Wang, Wei, Harada, Atsushi, and Kayama, Hidetoshi, Enhanced Limited Feedback Schemes for DL MU-MIMO ZF Precoding; *TWC April 2013 1554-1561*
Wang, Wenjie, *see* Li, Bin, *TWC September 2013 4647-4657*
Wang, Wenjin, Gao, Xiqi, Zheng, Fu-Chun, and Zhong, Wen, CP-OQAM-OFDM Based SC-FDMA: Adjustable User Bandwidth and Space-Time Coding; *TWC September 2013 4506-4517*
Wang, Wenye, *see* Xu, Yi, *TWC July 2013 3360-3371*
Wang, Xiaodong, *see* Xiang, Zhengzheng, *TWC January 2013 12-21*
Wang, Xiaodong, *see* Xiao, Hua, *TWC February 2013 646-655*
Wang, Xin, Li, Zhaoquan, and Wu, Jie, Joint TCP Congestion Control and CSMA Scheduling without Message Passing; *TWC December 2013 6194-6204*
Wang, Xin, *see* Xie, Kun, *TWC October 2013 4994-5007*
Wang, Xin, and Liang, Qilian, On the Throughput Capacity and Performance Analysis of Hybrid Wireless Networks over Fading Channels; *TWC June 2013 2930-2940*
Wang, Xin, and Li, Zhaoquan, Energy-Efficient Transmissions of Bursty Data Packets with Strict Deadlines over Time-Varying Wireless Channels; *TWC May 2013 2533-2543*
Wang, Xinbing, *see* Zheng, Haifeng, *TWC February 2013 917-927*
Wang, Xinglong, *see* Xu, Hongli, *TWC December 2013 6328-6339*
Wang, Xuan, and Cai, Lin, Proportional Fair Scheduling in Hierarchical Modulation Aided Wireless Networks; *TWC April 2013 1584-1593*
Wang, Yide, *see* Ding, Yuehua, *TWC September 2013 4297-4305*
Wang, Yung-Yi, A Subspace-Based CFO Estimation Algorithm for General ICI Self-Cancellation Precoded OFDM Systems; *TWC August 2013 4110-4117*
Wang, Yunsheng, Wu, Jie, and Yang, Wei-Shih, Cloud-Based Multicasting with Feedback in Mobile Social Networks; *TWC December 2013 6043-6053*
Wang, Zhaocheng, *see* Qian, Chen, *TWC December 2013 6476-6487*
Wang, Zhaohui, Zhou, Shengli, Catipovic, Josko, and Willett, Peter, Asynchronous Multiuser Reception for OFDM in Underwater Acoustic Communications; *TWC March 2013 1050-1061*
Wang, Zhe, and Zhang, Wei, Spectrum Sharing with Limited Channel Feedback; *TWC May 2013 2524-2532*
Weber, Tobias, *see* Ganesan, Rakash SivaSiva, *TWC August 2013 3662-3671*
Wei, Chia-Hung, Lin, Ping-Chen, and Cheng, Ray-Guang, Comment on 'An Efficient Random Access Scheme for OFDMA Systems with Implicit Message Transmission'; *TWC January 2013 414-415*
Wei, Hung-Yu, *see* Wang, Chih-Yu, *TWC May 2013 1978-1988*
Wei, Lili, and Chen, Wen, Optimal Binary/Quaternary Adaptive Signature Design for Code-Division Multiplexing; *TWC February 2013 840-849*
Wei, Lili, and Chen, Wen, Integer-Forcing Linear Receiver Design with Slowest Descent Method; *TWC June 2013 2788-2796*
Weitnauer, Mary Ann, *see* Jung, Haejoon, *TWC November 2013 5631-5645*
Wen, Chao-Kai, *see* Zhang, Jun, *TWC October 2013 4801-4813*
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Williamson, Carey, *see* Zhou, Ruiting, *TWC June 2013 3012-3023*
Wilson, Craig, and Veeravalli, Venugopal, A Convergent Version of the Max SINR Algorithm for the MIMO Interference Channel; *TWC June 2013 2952-2961*
Wong, Kai-Kit, *see* Zhang, Jun, *TWC October 2013 4801-4813*
Wong, Vincent W.S., *see* Cheung, Man Hon, *TWC May 2013 2292-2301*
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Wu, Dapeng Oliver, *see* Zhang, Weiwen, *TWC September 2013 4569-4581*
Wu, Dengyuan, *see* Tang, Yu, *TWC June 2013 2754-2761*
Wu, Fan, Chen, Tingting, Zhong, Sheng, Qiao, Chunming, and Chen, Guihai, A Game-Theoretic Approach to Stimulate Cooperation for Probabilistic Routing in Opportunistic Networks; *TWC April 2013 1573-1583*
Wu, Feng, *see* Cui, Hao, *TWC October 2013 4892-4904*
Wu, Gang, *see* Lu, Lu, *TWC April 2013 1-11*
Wu, Hsiao-Chun, *see* Lu, Lu, *TWC May 2013 2400-2409*
Wu, Jian, Zhou, Sheng, and Niu, Zhisheng, Traffic-Aware Base Station Sleeping Control and Power Matching for Energy-Delay Tradeoffs in Green Cellular Networks; *TWC August 2013 4196-4209*
Wu, Jianhui, *see* Tang, Ling, *TWC March 2013 1279-1289*
Wu, Jie, *see* Wang, Xin, *TWC December 2013 6194-6204*
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Wu, Jingxian, *see* Qian, Chen, *TWC December 2013 6476-6487*
Wu, Jingxian, and Li, Geoffrey Ye, Collision-Tolerant Media Access Control with On-Off Accumulative Transmission; *TWC January 2013 50-59*
Wu, Jun, *see* Cui, Hao, *TWC October 2013 4892-4904*
Wu, Jwo-Yuh, and Wang, Tsang-Yi, Power Allocation for Robust Distributed Best-Linear-Unbiased Estimation Against Sensing Noise Variance Uncertainty; *TWC June 2013 2853-2869*
Wu, Kaishun, *see* Wang, Lu, *TWC April 2013 1712-1721*
Wu, Peiran, Schober, Robert, and Bhargava, Vijay K., Transceiver Design for SC-FDE Based MIMO Relay Systems; *TWC September 2013 4376-4391*
Wu, Qihui, Ding, Guoru, Wang, Jinlong, and Yao, Yu-Dong, Spatial-Temporal Opportunity Detection for Spectrum-Heterogeneous Cognitive Radio Networks: Two-Dimensional Sensing; *TWC February 2013 516-526*
Wu, Qihui, *see* Xu, Yuhua, *TWC October 2013 4814-4826*
Wu, Sau-Hsuan, Chiu, Lin-Kai, Lin, Ko-Yen, and Chang, Tsung-Hui, Robust Hybrid Beamforming with Phased Antenna Arrays for Downlink SDMA in Indoor 60 GHz Channels; *TWC September 2013 4542-4557*
Wu, Ye, *see* Choi, Jinho, *TWC February 2013 769-781*
Wu, Ye, *see* Choi, Jinho, *TWC February 2013 561-573*
Wu, Yik Chung, *see* Luo, Bin, *TWC December 2013 6464-6475*
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Wu, Yik-Chung, *see* He, Xin, *TWC December 2013 6292-6302*
Wu, Yik-Chung, *see* Du, Jian, *TWC November 2013 5908-5917*
Wu, Yiyan, *see* Rong, Bo, *TWC March 2013 1320-1327*
Wu, Yuan, *see* Qian, Li Ping, *TWC April 2013 1651-1665*
Wysocki, T. A., *see* Tran, L. C., *TWC February 2013 862-876*

X

Xia, Ping, Liu, Chun-Hung, and Andrews, Jeffrey G., Downlink Coordinated Multi-Point with Overhead Modeling in Heterogeneous Cellular Networks; *TWC August 2013 4025-4037*
Xia, Xiang-Gen, *see* Liu, Yi, *TWC December 2013 6406-6417*
Xiang, Lin, Ge, Xiaohu, Wang, Cheng-Xiang, Li, Frank Y., and Reichert, Frank, Energy Efficiency Evaluation of Cellular Networks Based on Spatial Distributions of Traffic Load and Power Consumption; *TWC March 2013 961-973*
Xiang, Siyuan, and Cai, Lin, Transmission Control for Compressive Sensing Video over Wireless Channel; *TWC March 2013 1429-1437*

Xiang, Zhengzheng, Tao, Meixia, and Wang, Xiaodong, Coordinated Multicast Beamforming in Multicell Networks; *TWC January 2013 12-21*
Xiao, Hua, Yang, Kai, and Wang, Xiaodong, Robust Power Control under Channel Uncertainty for Cognitive Radios with Sensing Delays; *TWC February 2013 646-655*
Xiao, Limin, *see* He, Fei, *TWC June 2013 2904-2917*
Xiao, Shilin, *see* Zheng, Haifeng, *TWC February 2013 917-927*
Xiao, Wendong, *see* Meng, Wei, *TWC April 2013 1958-1967*
Xiao, Yao, and Cimini, Leonard J., Impact of Overhead on Spectral Efficiency of Cooperative Relaying; *TWC May 2013 2228-2239*
Xiao, Zhenyu, Zhang, Changming, Jin, Depeng, and Ge, Ning, GLRT Approach for Robust Burst Packet Acquisition in Wireless Communications; *TWC March 2013 1127-1137*
Xie, Gang, *see* Mao, Junling, *TWC May 2013 2366-2375*
Xie, Jiang, *see* Li, Haopeng, *TWC October 2013 5258-5270*
Xie, Kun, Cao, Jiannong, Wang, Xin, and Wen, Jigang, Optimal Resource Allocation for Reliable and Energy Efficient Cooperative Communications; *TWC October 2013 4994-5007*
Xie, Lihua, *see* Meng, Wei, *TWC April 2013 1958-1967*
Xin, ChunSheng, Song, Min, Ma, Liangping, Hsieh, George, and Shen, Chien-Chung, An Incentivized Cooperative Architecture for Dynamic Spectrum Access Networks; *TWC October 2013 5154-5161*
Xing, Chengwen, *see* Ding, Haichuan, *TWC August 2013 3942-3955*
Xing, Weixi, *see* Choi, Jinho, *TWC February 2013 769-781*
Xiong, Cong, Li, Geoffrey Ye, Liu, Yalin, Chen, Yan, and Xu, Shugong, Energy-Efficient Design for Downlink OFDMA with Delay-Sensitive Traffic; *TWC June 2013 3085-3095*
Xiong, Hailiang, Zhang, Wensheng, Du, Zhengfeng, He, Bo, and Yuan, Dongfeng, Front-End Narrowband Interference Mitigation for DS-UWB Receiver; *TWC September 2013 4328-4337*
Xu, Dechen, and Zhang, Yifeng, Estimation of the Modulation Index of CPM Signals Based on Laurent's Decomposition; *TWC December 2013 6268-6280*
Xu, Dianhui, and Yao, Yingwei, Splitting Tree Algorithm for Decentralized Detection in Sensor Networks; *TWC December 2013 6024-6033*
Xu, Hongli, Huang, Liusheng, Qiao, Chunming, Wang, Xinglong, and Sun, Yu-e, Topology Control with vMIMO Communication in Wireless Sensor Networks; *TWC December 2013 6328-6339*
Xu, Hongwan, *see* Zou, Junni, *TWC January 2013 31-39*
Xu, Jie, *see* Zhang, Zhengyu, *TWC October 2013 5236-5247*
Xu, Jie, and Qiu, Ling, Energy Efficiency Optimization for MIMO Broadcast Channels; *TWC February 2013 690-701*
Xu, Kui, *see* Zhong, Xinyi, *TWC January 2013 412-413*
Xu, Mingguang, Guo, Dongning, and Honig, Michael L., Downlink Noncoherent Cooperation without Transmitter Phase Alignment; *TWC August 2013 3920-3931*
Xu, Shaoyi, *see* Zhang, Xiuning, *TWC November 2013 5607-5619*
Xu, Shugong, *see* Xiong, Cong, *TWC June 2013 3085-3095*
Xu, Shugong, *see* Choi, Jinho, *TWC February 2013 769-781*
Xu, Shugong, *see* Choi, Jinho, *TWC February 2013 561-573*
Xu, Wei, *see* Liang, Le, *TWC August 2013 4092-4101*
Xu, Yi, and Wang, Wenye, Wireless Mesh Network in Smart Grid: Modeling and Analysis for Time Critical Communications; *TWC July 2013 3360-3371*
Xu, Yinsheng, Yang, Hongkun, Ren, Fengyuan, Lin, Chuang, and Shen, Xuemin Sherman, Frequency Domain Packet Scheduling with MIMO for 3GPP LTE Downlink; *TWC April 2013 1752-1761*
Xu, Yiran, *see* Li, Qian Clara, *TWC June 2013 2658-2668*
Xu, Youyun, *see* Zhong, Xinyi, *TWC January 2013 412-413*
Xu, Yuhua, Wu, Qihui, Shen, Liang, Wang, Jinlong, and Anpalagan, Alagan, Opportunistic Spectrum Access with Spatial Reuse: Graphical Game and Uncoupled Learning Solutions; *TWC October 2013 4814-4826*
Xue, Guoliang, *see* Yang, Dejun, *TWC August 2013 4038-4047*
Xue, Kaiping, *see* Lu, Hao, *TWC October 2013 4840-4851*
Xue, Tong, Dong, Xiaodai, and Shi, Yi, Multiple Access and Data Reconstruction in Wireless Sensor Networks Based on Compressed Sensing; *TWC July 2013 3399-3411*

Y

Yacoub, Michel D., *see* Leonardo, Elvio J., *TWC May 2013 2261-2271*
Yacoub, Michel Daoud, *see* Santos Filho, Jose Cendido Silveira, *TWC May 2013 2323-2333*
Yan, Kun, *see* Lu, Lu, *TWC May 2013 2400-2409*
Yan, Yuan, and Mostofi, Yasamin, Co-Optimization of Communication and Motion Planning of a Robotic Operation under Resource Constraints and in Fading Environments; *TWC April 2013 1562-1572*
Yang, Chenyang, *see* Yuan, Fang, *TWC August 2013 3980-3994*
Yang, Chenyang, *see* Zhang, Qian, *TWC August 2013 3746-3759*
Yang, Dejun, Xue, Guoliang, Zhang, Jin, Richa, Andrea, and Fang, Xi, Coping with a Smart Jammer in Wireless Networks: A Stackelberg Game Approach; *TWC August 2013 4038-4047*
Yang, En-hui, *see* Ho, James, *TWC July 2013 3588-3599*
Yang, Fucheng, and Yang, Lie-Liang, A Single-User Noncoherent Combining Scheme Achieving Multiuser Interference Mitigation for FFH/MFSK Systems; *TWC September 2013 4306-4314*
Yang, Hongkun, *see* Xu, Yinsheng, *TWC April 2013 1752-1761*
Yang, Hyun Jong, Shin, Won-Yong, Jung, Bang Chul, and Paulraj, Arogyaswami, Opportunistic Interference Alignment for MIMO Interfering Multiple-Access Channels; *TWC May 2013 2180-2192*
Yang, Jianxiao, Nour, Charbel Abdel, and Langlais, Charlotte, Correlated Fading Channel Simulator Based on the Overlap-Save Method; *TWC June 2013 3060-3071*
Yang, Jun, Kim, Il-Min, and Kim, Dong In, Optimal Cooperative Jamming for Multiuser Broadcast Channel with Multiple Eavesdroppers; *TWC June 2013 2840-2852*
Yang, Kai, *see* Xiao, Hua, *TWC February 2013 646-655*
Yang, Kai-Jie, *see* Tsai, Yuh-Ren, *TWC September 2013 4558-4568*
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Yang, Tao Tom, *see* Zhang, Jian A., *TWC April 2013 1936-1946*
Yang, Wei-Shih, *see* Wang, Yunsheng, *TWC December 2013 6043-6053*
Yang, Xianjun, Tao, Xiaofeng, Dutkiewicz, Eryk, Huang, Xiaojing, Guo, Y. Jay, and Cui, Qimei, Energy-Efficient Distributed Data Storage for Wireless Sensor Networks Based on Compressed Sensing and Network Coding; *TWC October 2013 5087-5099*
Yang, Xiaoniu, *see* Ju, Honghao, *TWC November 2013 5668-5678*
Yang, Yang, *see* Mao, Guoqiang, *TWC August 2013 3883-3895*
Yang, Yong, *see* Kim, Tae-Suk, *TWC May 2013 2046-2054*
Yang, Yu-Han, Wang, Beibei, Lin, W. Sabrina, and Liu, K. J. Ray, Near-Optimal Waveform Design for Sum Rate Optimization in Time-Reversal Multiuser Downlink Systems; *TWC January 2013 346-357*
Yang, Yu-Han, Chen, Yan, Jiang, Chunxiao, Wang, Chih-Yu, and Liu, K. J. Ray, Wireless Access Network Selection Game with Negative Network Externality; *TWC October 2013 5048-5060*
Yang, Zhen, *see* Zhou, Liang, *TWC August 2013 3733-3745*
Yanikomeroglu, Halim, *see* Khoshkholgh, Mohammad G., *TWC July 2013 3264-3277*
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Yao, Zhiqiang, *see* Ding, Yuehua, *TWC September 2013 4297-4305*
Yates, Roy D., *see* Panchal, Jignesh S., *TWC September 2013 4470-4482*
Yazdani, Nasser, *see* Teymoori, Peyman, *TWC March 2013 1268-1278*
Ye, Qiang, *see* Cheng, Jie, *TWC February 2013 850-861*
Ye, Qiaoyang, Rong, Beiyu, Chen, Yudong, Al-Shalash, Mazin, Caramanis, Constantine, and Andrews, Jeffrey G., User Association for Load Balancing in Heterogeneous Cellular Networks; *TWC June 2013 2706-2716*
Ye, Quanmin, *see* Cheng, Maggie, *TWC February 2013 928-937*
Yener, Aylin, *see* Stanojev, Igor, *TWC January 2013 134-145*
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Yi, Ke-Chu, *see* Liu, Zu-Jun, *TWC April 2013 1678-1685*
Yi, Na, Ma, Yi, and Tafazolli, Rahim, Joint Rate Adaptation and Best-Relay Selection Using Limited Feedback; *TWC June 2013 2797-2805*
Yi, Xinping, and Gesbert, David, Precoding Methods for the MISO Broadcast Channel with Delayed CSIT; *TWC May 2013 1-11*
Yilmaz, Ali Ozgur, *see* Safak, Ilgin, *TWC August 2013 3908-3919*
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Yin, Jianping, *see* Liu, Qiang, *TWC October 2013 5124-5137*
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Yin, Qinye, *see* Zhang, Weile, *TWC February 2013 527-537*
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Yu, James J.Q., *see* Lam, Albert Y.S., *TWC July 2013 3180-3190*
Yu, Shucheng, *see* Li, Ming, *TWC May 2013 2024-2033*
Yu, Wei, Kwon, Taesoo, and Shin, Changyong, Multicell Coordination via Joint Scheduling, Beamforming, and Power Spectrum Adaptation; *TWC July 2013 1-14*
Yu, Yan, *see* Wang, Jie, *TWC May 2013 2355-2365*
Yu, Yiwei, Dutkiewicz, Eryk, Huang, Xiaojing, and Mueck, Markus, Downlink Resource Allocation for Next Generation Wireless Networks with Inter-Cell Interference; *TWC April 2013 1783-1793*
Yuan, Di, *see* Lei, Lei, *TWC November 2013 5767-5779*
Yuan, Dongfeng, *see* Xiong, Hailiang, *TWC September 2013 4328-4337*
Yuan, Dongfeng, *see* Zhou, Xiaotian, *TWC October 2013 5248-5257*
Yuan, Fang, Yang, Chenyang, Wang, Gang, and Lei, Ming, Adaptive Channel Feedback for Coordinated Beamforming in Heterogeneous Networks; *TWC August 2013 3980-3994*

Z

Zafar, Ammar, Shaqfeh, Mohammad, Alouini, Mohamed-Slim, and Alnuweiri, Hussein, Exploiting Multi-User Diversity and Multi-Hop Diversity in Dual-Hop Broadcast Channels; *TWC July 2013 3314-3325*
Zaid, Adem M., Hamdaoui, Bechir, Cheng, Xiuzhen, Znati, Taieb, and Guizani, Mohsen, Improving Macrocell Downlink Throughput in Rayleigh Fading Channel Environment Through Femtocell User Cooperation; *TWC December 2013 6488-6499*
Zappone, Alessio, Chong, Zhijiat, Jorswieck, Eduard A., and Buzzi, Stefano, Energy-Aware Competitive Power Control in Relay-Assisted Interference Wireless Networks; *TWC April 2013 1860-1871*
Zehavi, Ephraim, *see* George, Yaniv, *TWC December 2013 6340-6351*
Zeidler, James, *see* Tan, Sheu-Sheu, *TWC December 2013 6214-6227*
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Zeng, Meng, *see* Huang, Chuan, *TWC July 2013 3213-3225*
Zeng, Yong, Zhang, Rui, Gunawan, Erry, and Guan, Yong Liang, Optimized Transmission with Improper Gaussian Signaling in the K-User MISO Interference Channel; *TWC December 2013 6303-6313*
Zeng, Yonghong, *see* Zheng, Shoukang, *TWC April 2013 1774-1782*
Zetterberg, Per, *see* Medawar, Samer, *TWC June 2013 2545-2555*
Zhai, Chao, and Zhang, Wei, Adaptive Spectrum Leasing with Secondary User Scheduling in Cognitive Radio Networks; *TWC July 2013 3388-3398*
Zhang, Bowu, *see* Tang, Yu, *TWC June 2013 2754-2761*
Zhang, Changming, *see* Xiao, Zhenyu, *TWC March 2013 1127-1137*
Zhang, Haibo, Soldati, Pablo, and Johansson, Mikael, Performance Bounds and Latency-Optimal Scheduling for Convergecast in WirelessHART Networks; *TWC June 2013 2688-2696*
Zhang, Hailin, *see* Liu, Yi, *TWC December 2013 6406-6417*
Zhang, Honghai, *see* Prasad, Narayan, *TWC September 2013 4272-4285*
Zhang, Huazi, Zhang, Zhaoyang, and Dai, Huaiyu, Gossip-Based Information Spreading in Mobile Networks; *TWC November 2013 5918-5928*
Zhang, Jian A., Yang, Tao Tom, and Chen, Zhuo, Under-determined Training and Estimation for Distributed Transmit Beamforming Systems; *TWC April 2013 1936-1946*
Zhang, Jian A., Huang, Xiaojing, Suzuki, Hajime, and Chen, Zhuo, Gaussian Approximation Based Interpolation for Channel Matrix Inversion in MIMO-OFDM Systems; *TWC March 2013 1407-1417*
Zhang, Jian-Kang, *see* Gong, Feng-Kui, *TWC September 2013 4338-4349*
Zhang, Jin, *see* Yang, Dejun, *TWC August 2013 4038-4047*
Zhang, Jin, *see* Zhang, Lijuan, *TWC November 2013 5493-5505*
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Zhang, Jingjing, *see* Zou, Jun, *TWC August 2013 3995-4009*
Zhang, Jun, *see* Luo, Yaming, *TWC September 2013 4729-4741*
Zhang, Jun, Wen, Chao-Kai, Jin, Shi, Gao, Xiqi, and Wong, Kai-Kit, Large System Analysis of Cooperative Multi-Cell Downlink Transmission via Regularized Channel Inversion with Imperfect CSIT; *TWC October 2013 4801-4813*
Zhang, Junshan, *see* Tang, Ling, *TWC March 2013 1279-1289*
Zhang, Lei, and Li, Tongtong, Anti-Jamming Message-Driven Frequency Hopping—Part II: Capacity Analysis Under Disguised Jamming; *TWC January 2013 80-88*
Zhang, Lei, Wang, Huahui, and Li, Tongtong, Anti-Jamming Message-Driven Frequency Hopping—Part I: System Design; *TWC January 2013 70-79*
Zhang, Lijuan, Zhang, Jin, and Tang, Xiaohu, Assigned Tree Slotted Aloha RFID Tag Anti-Collision Protocols; *TWC November 2013 5493-5505*
Zhang, Lili, Jiang, Jinhua, and Cui, Shuguang, Gaussian Interference Channel with State Information; *TWC August 2013 4058-4071*
Zhang, Q., Dobre, O. A., Eldemerdash, Y. A., Rajan, S., and Inkol, R., Second-Order Cyclostationarity of BT-SCLD Signals: Theoretical Developments and Applications to Signal Classification and Blind Parameter Estimation; *TWC April 2013 1501-1511*
Zhang, Qian, Yang, Chenyang, and Molisch, Andreas F., Downlink Base Station Cooperative Transmission Under Limited-Capacity Backhaul; *TWC August 2013 3746-3759*
Zhang, Qian, *see* Jia, Juncheng, *TWC November 2013 5594-5606*
Zhang, Qian, *see* Lin, Peng, *TWC January 2013 158-167*
Zhang, Rong, Yang, Lie-Liang, and Hanzo, Lajos, Generalised Pre-Coding Aided Spatial Modulation; *TWC November 2013 5434-5443*
Zhang, Rongqing, *see* Deng, Jun, *TWC September 2013 4236-4245*
Zhang, Rui, *see* Lee, Seunghyun, *TWC September 2013 4788-4799*
Zhang, Rui, and Ho, Chin Keong, MIMO Broadcasting for Simultaneous Wireless Information and Power Transfer; *TWC May 2013 1989-2001*
Zhang, Rui, *see* Luo, Shixin, *TWC September 2013 4592-4603*
Zhang, Rui, *see* Liu, Liang, *TWC January 2013 288-300*
Zhang, Rui, *see* Zeng, Yong, *TWC December 2013 6303-6313*
Zhang, Rui, *see* Luo, Shixin, *TWC March 2013 1196-1207*
Zhang, Shenqiu, Seyedi, Alireza, and Sikdar, Biplab, An Analytical Approach to the Design of Energy Harvesting Wireless Sensor Nodes; *TWC August 2013 4010-4024*
Zhang, Shun, Gao, Feifei, Pei, Changxing, and He, Xiandeng, Segment Training Based Individual Channel Estimation in One-Way Relay Network with Power Allocation; *TWC March 2013 1300-1309*
Zhang, Wei, *see* Wang, Zhe, *TWC May 2013 2524-2532*
Zhang, Wei, *see* Zhai, Chao, *TWC July 2013 3388-3398*
Zhang, Weile, Yin, Qinye, Chen, Hongyang, Gao, Feifei, and Ansari, Nirwan, Distributed Angle Estimation for Localization in Wireless Sensor Networks; *TWC February 2013 527-537*
Zhang, Weiwen, Wen, Yonggang, Guan, Kyle, Kilper, Dan, Luo, Haiyun, and Wu, Dapeng Oliver, Energy-Optimal Mobile Cloud Computing under Stochastic Wireless Channel; *TWC September 2013 4569-4581*
Zhang, Wensheng, *see* Qin, Hua, *TWC December 2013 6180-6193*
Zhang, Wensheng, *see* Xiong, Hailiang, *TWC September 2013 4328-4337*
Zhang, Xiujun, Sun, Yin, Chen, Xiang, Zhou, Shidong, Wang, Jing, and Shroff, Ness B., Distributed Power Allocation for Coordinated Multipoint Transmissions in Distributed Antenna Systems; *TWC May 2013 2281-2291*
Zhang, Xiuning, Tan, Zhenhui, Xu, Shaoyi, and Tao, Cheng, Utility Maximization Based on Cross-Layer Design for Multi-Service in Macro-Femto Heterogeneous Networks; *TWC November 2013 5607-5619*
Zhang, Yifeng, *see* Xu, Dechen, *TWC December 2013 6268-6280*
Zhang, Ying Jun Angela, *see* Bi, Suzhi, *TWC September 2013 4612-4626*
Zhang, Ying Jun Angela, *see* Qian, Li Ping, *TWC April 2013 1651-1665*
Zhang, Yingkai, *see* Lei, Lei, *TWC December 2013 6121-6141*
Zhang, Yongmin, He, Shibo, Chen, Jiming, Sun, Youxian, and Shen, Xuemin Sherman, Distributed Sampling Rate Control for Rechargeable Sensor Nodes with Limited Battery Capacity; *TWC June 2013 3096-3106*
Zhang, Yu, Zhang, Zhaoyang, Yin, Rui, Yu, Guanding, and Wang, Wei, Joint Network-Channel Coding with Rateless Code in Two-Way Relay Systems; *TWC July 2013 3158-3169*
Zhang, Yu, and Zhang, Zhaoyang, Joint Network-Channel Coding with Rateless Code over Multiple Access Relay System; *TWC January 2013 320-332*
Zhang, Yuan, *see* Zhong, Sheng, *TWC November 2013 5620-5630*
Zhang, Yuxian, and Cheng, Roger S., Relay Subset Selection in Cooperative Systems with Beamforming and Limited Feedback; *TWC October 2013 5271-5281*
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Zhang, Zhaoyang, *see* Zhang, Huazi, *TWC November 2013 5918-5928*
Zhang, Zhaoyang, *see* Zhang, Yu, *TWC January 2013 320-332*
Zhang, Zhengyu, Xu, Jie, and Qiu, Ling, Robust ARQ Precoder Optimization for AF MIMO Relay Systems with Channel Estimation Errors; *TWC October 2013 5236-5247*
Zhao, Chun-Ming, *see* Liang, Xiao, *TWC August 2013 3770-3782*
Zhao, H. Vicky, *see* Cao, Qian, *TWC June 2013 2870-2882*
Zhao, Jian, Quek, Tony Q. S., and Lei, Zhongding, Coordinated Multipoint Transmission with Limited Backhaul Data Transfer; *TWC June 2013 2762-2775*
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Zhao, Ming, *see* Qin, Haohao, *TWC June 2013 2717-2729*
Zhao, Nan, Yu, F. Richard, Sun, Hongjian, Nallanathan, Arumugam, and Yin, Hongxi, A Novel Interference Alignment Scheme Based on Sequential Antenna Switching in Wireless Networks; *TWC October 2013 5008-5021*
Zhao, Qianchuan, *see* Wang, Hengtao, *TWC September 2013 4518-4528*
Zheng, Fu-Chun, *see* Wang, Wenjin, *TWC September 2013 4506-4517*
Zheng, Gan, Krikidis, Ioannis, and Ottersten, Bjdotrm orn, Full-Duplex Cooperative Cognitive Radio with Transmit Imperfections; *TWC May 2013 2498-2511*
Zheng, Guanbo, *see* Nguyen, Huy, *TWC April 2013 1532-1542*
Zheng, Haifeng, Xiao, Shilin, Wang, Xinbing, Tian, Xiaohua, and Guizani, Mohsen, Capacity and Delay Analysis for Data Gathering with Compressive Sensing in Wireless Sensor Networks; *TWC February 2013 917-927*
Zheng, Kan, Liu, Fei, Lei, Lei, Lin, Chuang, and Jiang, Yuming, Stochastic Performance Analysis of a Wireless Finite-State Markov Channel; *TWC February 2013 782-793*
Zheng, Rong, *see* Nguyen, Huy, *TWC April 2013 1532-1542*
Zheng, Shoukang, Kam, Pooi-Yuen, Liang, Ying-Chang, and Zeng, Yonghong, Spectrum Sensing for Digital Primary Signals in Cognitive Radio: A Bayesian Approach for Maximizing Spectrum Utilization; *TWC April 2013 1774-1782*
Zheng, Yahong Rosa, *see* Qian, Chen, *TWC December 2013 6476-6487*
Zhong, Ke, Wu, Yik-Chung, and Li, Shaoqian, Signal Detection for OFDM-Based Virtual MIMO Systems under Unknown Doubly Selective Channels, Multiple Interferences and Phase Noises; *TWC October 2013 5309-5321*
Zhong, Sheng, and Zhang, Yuan, How to Select Optimal Gateway in Multi-Domain Wireless Networks: Alternative Solutions without Learning; *TWC November 2013 5620-5630*
Zhong, Sheng, *see* Wu, Fan, *TWC April 2013 1573-1583*
Zhong, Wen, *see* Wang, Wenjin, *TWC September 2013 4506-4517*
Zhong, Xinyi, Xu, Kui, and Xu, Youyun, Comments on 'An Opportunistic-Based Protocol for Bidirectional Cooperative Networks'; *TWC January 2013 412-413*
Zhong, Zhangdui, *see* Lei, Lei, *TWC December 2013 6121-6141*
Zhong, Zhangdui, *see* He, Ruisi, *TWC February 2013 794-805*
Zhou, Guoqing, *see* Wang, Gang, *TWC October 2013 5162-5171*
Zhou, Liang, Yang, Zhen, Wen, Yonggang, Wang, Haohong, and Guizani, Mohsen, Resource Allocation with Incomplete Information for QoE-Driven Multimedia Communications; *TWC August 2013 3733-3745*
Zhou, Qi, and Ma, Xiaoli, Improved Element-Based Lattice Reduction Algorithms for Wireless Communications; *TWC September 2013 4414-4421*
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Joint Wireless Information and Energy Transfer in a Two-User MIMO Interference Channel. *Park, Jaehyun,* +, *TWC August 2013 4210-4221*

Maximizing the Secret Key Rate for Informed Radios under Different Channel Conditions. *Quist, Britton T.,* +, *TWC October 2013 5146-5153*

Multi-Carrier Asynchronous Bi-Directional Relay Networks: Joint Subcarrier Power Allocation and Network Beamforming. *Vahidnia, Reza,* +, *TWC August 2013 3796-3812*

Multicell Coordination via Joint Scheduling, Beamforming, and Power Spectrum Adaptation. *Yu, Wei,* +, *TWC July 2013 1-14*

On Managing Interferences under Heterogeneous CSIT Feedback for Multi-User Transmission. *Ghaffar, Rizwan,* +, *TWC February 2013 828-839*

On the Efficient Beam-Forming Training for 60GHz Wireless Personal Area Networks. *Li, Bin,* +, *TWC February 2013 504-515*

On the Energy Efficiency of a Relaying Protocol with HARQ-IR and Distributed Cooperative Beamforming. *Choi, Jinho,* +, *TWC February 2013 769-781*

Optimal Beamforming Schemes and its Capacity Behavior for Downlink Distributed Antenna Systems. *Lee, Sang-Rim,* +, *TWC June 2013 2578-2587*

Optimized Transmission with Improper Gaussian Signaling in the K-User MISO Interference Channel. *Zeng, Yong,* +, *TWC December 2013 6303-6313*

Precoding Design for MIMO Relay Multicasting. *Khandaker, Muhammad R. A.,* +, *TWC July 2013 3544-3555*

Prior Zero Forcing for Cognitive Relaying. *Song, S. H.,* +, *TWC February 2013 938-947*

QoS Guarantees in AF Relay Networks with Multiple Source-Destination Pairs in the Presence of Imperfect CSI. *Liu, Yupeng,* +, *TWC September 2013 4225-4235*

Random Beamforming with Heterogeneous Users and Selective Feedback: Individual Sum Rate and Individual Scaling Laws. *Huang, Yichao,* +, *TWC May 2013 2080-2090*

Relay Subset Selection in Cooperative Systems with Beamforming and Limited Feedback. *Zhang, Yuxian,* +, *TWC October 2013 5271-5281*

Robust {MISO Transmit} Optimization under Outage-Based QoS Constraints in Two-Tier Heterogeneous Networks. *Wang, Kun-Yu,* +, *TWC April 2013 1883-1897*

Robust Hybrid Beamforming with Phased Antenna Arrays for Downlink SDMA in Indoor 60 GHz Channels. *Wu, Sau-Hsuan,* +, *TWC September 2013 4542-4557*

SINR and Throughput Analysis for Random Beamforming Systems with Adaptive Modulation. *Kim, Chanhong,* +, *TWC April 2013 1460-1471*

Spectrum Sharing Techniques for Broadcast Cognitive Radio Networks. *Chraiti, Mohaned,* +, *TWC November 2013 5880-5888*

Subspace Quantization Based Combining for Limited Feedback Block-Diagonalization. *Schwarz, Stefan,* +, *TWC November 2013 5868-5879*

Under-determined Training and Estimation for Distributed Transmit Beamforming Systems. *Zhang, Jian A.,* +, *TWC April 2013 1936-1946*

Unified Performance Analysis of Orthogonal Transmit Beamforming Methods with User Selection. *Ozyurt, Serdar,* +, *TWC March 2013 1026-1037*

Zero-Forcing Beamforming in Multiuser MISO Downlink Systems Under Per-Antenna Power Constraint and Equal-Rate Metric. *Lee, Sang-Rim,* +, *TWC January 2013 228-236*

Artificial neural networks

Unsaturated Throughput Analysis of Physical-Layer Network Coding Based on IEEE 802.11 Distributed Coordination Function. *Lin, Shijun,* +, *TWC November 2013 5544-5556*

Artificial satellites

Use of Shadowing Moments to Statistically Model Mobile Satellite Channels in Urban Environments. *Seyedi, Younes,* +, *TWC August 2013 3760-3769*

Asymptotic stability

The Cost of Mitigating Power Law Delay in Random Access Networks. *Bi, Suzhi,* +, *TWC September 2013 4612-4626*

Audio coding
Multi-Layer Iterative LDPC Decoding for Broadband Wireless Access Networks: A Recursive Shortening Algorithm. *Rong, Bo,* +, *TWC March 2013 1320-1327*
Authorization
An Efficient Threshold Anonymous Authentication Scheme for Privacy-Preserving Communications. *Ren, Jian,* +, *TWC March 2013 1018-1025*
Automatic repeat request
Analysis of Hybrid ARQ in Ad Hoc Networks with Correlated Interference and Feedback Errors. *Ding, Haichuan,* +, *TWC August 2013 3942-3955*
Compressive Coded Modulation for Seamless Rate Adaptation. *Cui, Hao,* +, *TWC October 2013 4892-4904*
Cross-Layer QoS-Constrained Optimization of Adaptive Multi-Rate Wireless Systems using Infrastructure-Based Cooperative ARQ. *Ramis, Jaume,* +, *TWC May 2013 2424-2435*
Energy-Delay Tradeoff Comparison of Transmission Schemes with Limited CSI Feedback. *Choi, Jinho,* +, *TWC April 2013 1762-1773*
Energy-Delay Tradeoff for Wireless Relay Systems Using HARQ with Incremental Redundancy. *Choi, Jinho,* +, *TWC February 2013 561-573*
On RANC ARQ for Wireless Relay Networks: From the Transmission Perspective. *Kao, Jung-Chun,* +, *TWC June 2013 2962-2976*
On the Energy Efficiency of a Relaying Protocol with HARQ-IR and Distributed Cooperative Beamforming. *Choi, Jinho,* +, *TWC February 2013 769-781*
On the Performance of Hybrid-ARQ with Incremental Redundancy and with Code Combining over Relay Channels. *Chelli, Ali,* +, *TWC August 2013 3860-3871*
Piggyback Retransmissions over Wireless MIMO Channels: Shared Hybrid-ARQ (SHARQ) for Bandwidth Efficiency. *Liang, Xiao,* +, *TWC August 2013 3770-3782*
Robust ARQ Precoder Optimization for AF MIMO Relay Systems with Channel Estimation Errors. *Zhang, Zhengyu,* +, *TWC October 2013 5236-5247*
The Underwater Selective Repeat Error Control Protocol for Multiuser Acoustic Networks: Design and Parameter Optimization. *Azad, Saiful,* +, *TWC October 2013 4866-4877*
Autoregressive moving average processes
Sequential Likelihood Ratio Test under Incomplete Signal Model for Spectrum Sensing. *Chung, Wei-Ho,* +, *TWC February 2013 494-503*
AWGN
High-Throughput Cooperative Communication with Interference Cancellation for Two-Path Relay in Multi-Source System. *Lu, Hao,* +, *TWC October 2013 4840-4851*
On the Effect of Outdated Channel Estimation in Variable Gain Relaying: Error Performance and PAPR. *Hadzi-Velkov, Zoran,* +, *TWC March 2013 1084-1097*
Optimal Two-Dimensional Lattices for Precoding of Linear Channels. *Kapetanovic, Dzevdan,* +, *TWC May 2013 2104-2113*
Joint Network-Channel Coding with Rateless Code in Two-Way Relay Systems. *Zhang, Yu,* +, *TWC July 2013 3158-3169*
Spectrum Sensing for Digital Primary Signals in Cognitive Radio: A Bayesian Approach for Maximizing Spectrum Utilization. *Zheng, Shoukang,* +, *TWC April 2013 1774-1782*
Two-Dimensional ESPRIT-Like Shift-Invariant TOA Estimation Algorithm Using Multi-Band Chirp Signals Robust to Carrier Frequency Offset. *Oh, Daegun,* +, *TWC July 2013 3130-3139*

B

Bandwidth allocation
CPM-Based Spread Spectrum Systems for Multi-User Communications. *Mazzali, Nicolo,* +, *TWC January 2013 358-367*
DT-MAC: An Efficient and Scalable Medium Access Control Protocol for Wireless Networks. *Teymoori, Peyman,* +, *TWC March 2013 1268-1278*
Optimal Tone Space Selection Scheme for OFDMA-VTS in Carrier Aggregation. *Lim, Sungmook,* +, *TWC November 2013 5679-5691*
Piggyback Retransmissions over Wireless MIMO Channels: Shared Hybrid-ARQ (SHARQ) for Bandwidth Efficiency. *Liang, Xiao,* +, *TWC August 2013 3770-3782*
Power-Efficient System Design for Cellular-Based Machine-to-Machine Communications. *Dhillon, Harpreet S.,* +, *TWC November 2013 5740-5753*
Base stations
Power-Efficient System Design for Cellular-Based Machine-to-Machine Communications. *Dhillon, Harpreet S.,* +, *TWC November 2013 5740-5753*
Subspace Quantization Based Combining for Limited Feedback Block-Diagonalization. *Schwarz, Stefan,* +, *TWC November 2013 5868-5879*
Baseband
Simultaneous Transmission and Reception: Algorithm, Design and System Level Performance. *Choi, Yang-Seok,* +, *TWC December 2013 5992-6010*
Batteries
Optimal Spectrum Access for Energy Harvesting Cognitive Radio Networks. *Park, Sungsoo,* +, *TWC December 2013 6166-6179*
Paradoxes in Semi-Dynamic Evolutionary Power Control Game: When Intuition Fools You!. *Haddad, Majed,* +, *TWC November 2013 5728-5739*
Bayes methods
Multidimensional Dirichlet Process-Based Non-Parametric Signal Classification for Autonomous Self-Learning Cognitive Radios. *Bkassiny, Mario,* +, *TWC November 2013 5413-5423*
Segment Training Based Individual Channel Estimation in One-Way Relay Network with Power Allocation. *Zhang, Shun,* +, *TWC March 2013 1300-1309*
Signal Detection for OFDM-Based Virtual MIMO Systems under Unknown Doubly Selective Channels, Multiple Interferences and Phase Noises. *Zhong, Ke,* +, *TWC October 2013 5309-5321*
Spectrum Sensing for Digital Primary Signals in Cognitive Radio: A Bayesian Approach for Maximizing Spectrum Utilization. *Zheng, Shoukang,* +, *TWC April 2013 1774-1782*
Behavioral sciences
Capacity of Wireless Networks with Social Behavior. *Azimdoost, Bita,* +, *TWC January 2013 60-69*
Binary codes
Compressive Coded Modulation for Seamless Rate Adaptation. *Cui, Hao,* +, *TWC October 2013 4892-4904*
Error Performance and Diversity Analysis of Multi-Source Multi-Relay Wireless Networks with Binary Network Coding and Cooperative MRC. *Di Renzo, Marco,* +, *TWC June 2013 2883-2903*
Binary phase shift keying
Adaptive Capacity-Achieving Channel Coding for Fountain-Coded Multicast Transmission in Packet Radio Systems. *Ellis, Jason D.,* +, *TWC December 2013 6514-6526*
Biological system modeling
Distributed Inter-BS Cooperation Aided Energy Efficient Load Balancing for Cellular Networks. *Hossain, Md. Farhad,* +, *TWC November 2013 5929-5939*
Bit error rate
Improving Macrocell Downlink Throughput in Rayleigh Fading Channel Environment Through Femtocell User Cooperation. *Zaid, Adem M.,* +, *TWC December 2013 6488-6499*
Performance Analysis of Underlay Cognitive Multihop Regenerative Relaying Systems with Multiple Primary Receivers. *Hyadi, Amal,* +, *TWC December 2013 6418-6429*
Bit rate
Exploiting Knowledge Management for Supporting Multi-Band Spectrum Selection in Non-Stationary Environments. *Bouali, F.,* +, *TWC December 2013 6228-6243*
Block codes
Dynamic Control of Coding for Progressive Packet Arrivals in DTNs. *Altman, Eitan,* +, *TWC February 2013 725-735*
Packet Error Outage for Coded Systems Experiencing Fast Fading and Shadowing. *Mary, Philippe,* +, *TWC February 2013 574-585*
Bluetooth
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Body area networks
Cooperative Scheduling for Coexisting Body Area Networks. *Wang, Lusheng,* +, *TWC January 2013 123-133*
Bridges (structures)
Measurements and Analysis of Propagation Channels in High-Speed Railway Viaducts. *He, Ruisi,* +, *TWC February 2013 794-805*
Broadband antennas
Joint Antenna Selection and Frequency-Domain Scheduling in OFDMA Systems with Imperfect Estimates from Dual Pilot Training Scheme. *Kashyap, Salil,* +, *TWC July 2013 3473-3483*

Broadband networks
Collision-Tolerant Media Access Control for Asynchronous Users over Frequency-Selective Channels. *Wang, Gang, +, TWC October 2013 5162-5171*
Pragmatic Frequency Domain Equalization for Single Carrier with Offset Modulations. *Luzio, Miguel, +, TWC September 2013 4496-4505*
Broadcast channels
Beamformer Designs for MISO Broadcast Channels with Zero-Forcing Dirty Paper Coding. *Tran, Le-Nam, +, TWC March 2013 1173-1185*
Designing Optimal Multiresolution Quantizers with Error Detecting Codes. *Ho, James, +, TWC July 2013 3588-3599*
Energy Efficiency Optimization for MIMO Broadcast Channels. *Xu, Jie, +, TWC February 2013 690-701*
Exploiting Multi-User Diversity and Multi-Hop Diversity in Dual-Hop Broadcast Channels. *Zafar, Ammar, +, TWC July 2013 3314-3325*
Limited Feedback-Based Multi-Antenna Relay Broadcast Channels with Block Diagonalization. *Liang, Le, +, TWC August 2013 4092-4101*
Optimal Cooperative Jamming for Multiuser Broadcast Channel with Multiple Eavesdroppers. *Yang, Jun, +, TWC June 2013 2840-2852*
Optimal Feedback Rate Sharing Strategy in Zero-Forcing MIMO Broadcast Channels. *Lee, Jung Hoon, +, TWC June 2013 3000-3011*
Precoding Methods for the MISO Broadcast Channel with Delayed CSIT. *Yi, Xinping, +, TWC May 2013 1-11*
Proportional Fair Scheduling in Hierarchical Modulation Aided Wireless Networks. *Wang, Xuan, +, TWC April 2013 1584-1593*
Unified Performance Analysis of Orthogonal Transmit Beamforming Methods with User Selection. *Ozyurt, Serdar, +, TWC March 2013 1026-1037*
Broadcast communication
Performance Analysis of ZF-Precoded Scheduling System for MU-MIMO with Generalized Selection Criterion. *Lee, Donghun, +, TWC April 2013 1812-1818*
Spectral-Energy Efficiency Tradeoff in Relay-Aided Cellular Networks. *Ku, Ivan, +, TWC October 2013 4970-4982*
Broadcasting
MIMO Broadcasting for Simultaneous Wireless Information and Power Transfer. *Zhang, Rui, +, TWC May 2013 1989-2001*
Multi-Packet Interference in Opportunistic Large Array Broadcasts over Disk Networks. *Jung, Haejoon, +, TWC November 2013 5631-5645*
Single Relay Selection Schemes for Broadcast Networks. *Hakim, Hela, +, TWC June 2013 2646-2657*
Brownian motion
Analytic Bounds on Data Loss Rates in Mostly-Covered Mobile DTNs. *Brugger, Max, +, TWC July 2013 3121-3129*

C

Calibration
Reduced-Bias ML-Based Estimators with Low Complexity for Self-Calibrating RSS Ranging. *Coluccia, Angelo, +, TWC March 2013 1220-1230*
Carrier sense multiple access
Exact Formulations for the Throughput of IEEE 802.11 DCF in Hoyt, Rice, and Nakagami-m Fading Channels. *Leonardo, Elvio J., +, TWC May 2013 2261-2271*
Interference Pricing for SINR-Based Random Access Game. *Cheung, Man Hon, +, TWC May 2013 2292-2301*
Multiple Access and Data Reconstruction in Wireless Sensor Networks Based on Compressed Sensing. *Xue, Tong, +, TWC July 2013 3399-3411*
Optimal Distributed Scheduling under Time-Varying Conditions: A Fast-CSMA Algorithm with Applications. *Li, Bin, +, TWC July 2013 3278-3288*
Toward a Coherent Theory of CSMA and Aloha. *Dai, Lin, +, TWC July 2013 3428-3444*
Cellular radio
A Framework for Uplink Intercell Interference Modeling with Channel-Based Scheduling. *Tabassum, Hina, +, TWC January 2013 206-217*
A Practical Cooperative Multicell MIMO-OFDMA Network Based on Rank Coordination. *Clerckx, Bruno, +, TWC April 2013 1481-1491*
Adaptive Coordinated Napping (CoNap) for Energy Saving in Wireless Networks. *Adachi, Koichi, +, TWC November 2013 5656-5667*
Adaptive Pilot-Symbol Patterns for MIMO OFDM Systems. *Simko, Michal, +, TWC September 2013 4705-4715*
Analytical Modeling of Uplink Cellular Networks. *Novlan, Thomas D., +, TWC June 2013 2669-2679*
Asymptotically Optimal Cross-Layer Schemes for Relay Networks with Short-Term and Long-Term Constraints. *Marques, Antonio G., +, TWC January 2013 333-345*
Backhaul-Aware Interference Management in the Uplink of Wireless Small Cell Networks. *Samarakoon, Sumudu, +, TWC November 2013 5813-5825*
Coordinated Multicast Beamforming in Multicell Networks. *Xiang, Zhengzheng, +, TWC January 2013 12-21*
Coordinated Multipoint Transmission with Limited Backhaul Data Transfer. *Zhao, Jian, +, TWC June 2013 2762-2775*
Discovery Signal Design and its Application to Peer-to-Peer Communications in OFDMA Cellular Networks. *Zou, Jun, +, TWC August 2013 3995-4009*
Distributed Priority-Based Power and Admission Control in Cellular Wireless Networks. *Rasti, Mehdi, +, TWC September 2013 4483-4495*
Downlink Coordinated Multi-Point with Overhead Modeling in Heterogeneous Cellular Networks. *Xia, Ping, +, TWC August 2013 4025-4037*
Downlink MIMO HetNets: Modeling, Ordering Results and Performance Analysis. *Dhillon, Harpreet S., +, TWC October 2013 5208-5222*
Downlink Noncoherent Cooperation without Transmitter Phase Alignment. *Xu, Mingguang, +, TWC August 2013 3920-3931*
Downlink Resource Allocation for Next Generation Wireless Networks with Inter-Cell Interference. *Yu, Yiwei, +, TWC April 2013 1783-1793*
Downlink Scheduling with Transmission Strategy Selection for Multi-Cell MIMO Systems. *Niu, Binglai, +, TWC February 2013 736-747*
Dynamic Base Station Switching-On/Off Strategies for Green Cellular Networks. *Oh, Eunsung, +, TWC May 2013 2126-2136*
Dynamic Coalition Formation for Network MIMO in Small Cell Networks. *Guruacharya, Sudarshan, +, TWC October 2013 5360-5372*
Dynamic Spectrum Reframing with Overlay for Legacy Devices. *Lin, Xingqin, +, TWC October 2013 5282-5293*
Energy Efficiency Evaluation of Cellular Networks Based on Spatial Distributions of Traffic Load and Power Consumption. *Xiang, Lin, +, TWC March 2013 961-973*
Full-Duplex Cooperative Cognitive Radio with Transmit Imperfections. *Zheng, Gan, +, TWC May 2013 2498-2511*
Improving the Energy Efficiency of Two-Tier Heterogeneous Cellular Networks through Partial Spectrum Reuse. *Cao, Dongxu, +, TWC August 2013 4129-4141*
Joint Base Station Association and Power Control via Benders' Decomposition. *Qian, Li Ping, +, TWC April 2013 1651-1665*
Joint Beamforming and Power Control in Coordinated Multicell: Max-Min Duality, Effective Network and Large System Transition. *Huang, Yichao, +, TWC June 2013 2730-2742*
Joint Opportunistic Scheduling and Selective Channel Feedback. *Karaca, Mehmet, +, TWC June 2013 3024-3034*
Joint OSC Receiver for Evolved GSM/EDGE Systems. *Molteni, Daniele, +, TWC June 2013 2608-2619*
Joint Resource Allocation and User Association for Heterogeneous Wireless Cellular Networks. *Fooladivanda, Dariush, +, TWC January 2013 248-257*
Large System Analysis of Cooperative Multi-Cell Downlink Transmission via Regularized Channel Inversion with Imperfect CSIT. *Zhang, Jun, +, TWC October 2013 4801-4813*
Load-Aware Modeling and Analysis of Heterogeneous Cellular Networks. *Dhillon, Harpreet S., +, TWC April 2013 1666-1677*
Minimum-Energy Power and Rate Control for Fair Scheduling in the Cellular Downlink under Flow Level Delay Constraint. *Hossain, M. M. A., +, TWC July 2013 3253-3263*
Mobile Network Resource Sharing Options: Performance Comparisons. *Panchal, Jignesh S., +, TWC September 2013 4470-4482*
Multi-User MIMO Scheduling in the Fourth Generation Cellular Uplink. *Prasad, Narayan, +, TWC September 2013 4272-4285*
Multicell Coordination via Joint Scheduling, Beamforming, and Power Spectrum Adaptation. *Yu, Wei, +, TWC July 2013 1-14*
Multiuser Two Way Relaying Schemes in the Future Cellular Network. *Hwang, Duckdong, +, TWC October 2013 5200-5207*
Offloading in Heterogeneous Networks: Modeling, Analysis, and Design Insights. *Singh, Sarabjot, +, TWC May 2013 2484-2497*
On Optimizing Green Energy Utilization for Cellular Networks with Hybrid Energy Supplies. *Han, Tao, +, TWC August 2013 3872-3882*
On the Throughput Capacity and Performance Analysis of Hybrid Wireless Networks over Fading Channels. *Wang, Xin, +, TWC June 2013 2930-2940*
Opportunistic Interference Alignment for MIMO Interfering Multiple-Access Channels. *Yang, Hyun Jong, +, TWC May 2013 2180-2192*

Optimal Combination of Base Station Densities for Energy-Efficient Two-Tier Heterogeneous Cellular Networks. *Cao, Dongxu, +, TWC September 2013 4350-4362*
Optimal Power and Range Adaptation for Green Broadcasting. *Luo, Shixin, +, TWC September 2013 4592-4603*
Optimization of Soft Frequency Reuse for Irregular LTE Macrocellular Networks. *Gonzalez G, David, +, TWC May 2013 2410-2423*
Physical Layer Security in Cellular Networks: A Stochastic Geometry Approach. *Wang, He, +, TWC June 2013 2776-2787*
Predictive Vector Quantization for Multicell Cooperation with Delayed Limited Feedback. *Bhagavatula, Ramya, +, TWC June 2013 2588-2597*
Resource Allocation for Device-to-Device Communications Overlaying Two-Way Cellular Networks. *Pei, Yiyang, +, TWC July 2013 3611-3621*
Robust and Efficient Multi-Cell Cooperation under Imperfect CSI and Limited Backhaul. *Rost, Peter, +, TWC April 2013 1910-1922*
Self-Organization in Small Cell Networks: A Reinforcement Learning Approach. *Bennis, Mehdi, +, TWC July 2013 3202-3212*
Simultaneous Multiple Carrier Frequency Offsets Estimation for Coordinated Multi-Point Transmission in OFDM Systems. *Tsai, Yuh-Ren, +, TWC September 2013 4558-4568*
SINR Balancing Techniques in Coordinated Multi-Cell Downlink Systems. *Park, Haewook, +, TWC February 2013 626-635*
Spectral-Energy Efficiency Tradeoff in Relay-Aided Cellular Networks. *Ku, Ivan, +, TWC October 2013 4970-4982*
Spectrum Sharing Scheme Between Cellular Users and Ad-hoc Device-to-Device Users. *Kaufman, Brett, +, TWC March 2013 1038-1049*
Towards Understanding the Fundamentals of Mobility in Cellular Networks. *Lin, Xingqin, +, TWC April 2013 1686-1698*
Traffic-Aware Base Station Sleeping Control and Power Matching for Energy-Delay Tradeoffs in Green Cellular Networks. *Wu, Jian, +, TWC August 2013 4196-4209*
Two-Phase Scheduling and Leakage-Based Precoding in Wireless Cellular Networks. *Bendlin, Ralf, +, TWC July 2013 3148-3157*
Urban Location Estimation for Mobile Cellular Networks: A Fuzzy-Tuned Hybrid Systems Approach. *Ho, Tan-Jan, +, TWC May 2013 2389-2399*
Zadoff-Chu Sequence Based Signature Identification for OFDM. *Lee, Kilbom, +, TWC October 2013 4932-4942*

Channel allocation

A Unified Graph Labeling Algorithm for Consecutive-Block Channel Allocation in SC-FDMA. *Lei, Lei, +, TWC November 2013 5767-5779*
Adaptive Channel Feedback for Coordinated Beamforming in Heterogeneous Networks. *Yuan, Fang, +, TWC August 2013 3980-3994*
An Adaptive Channel Scheduling Design for Multi-Hop Handoff Delay Reduction in Internet-Based Wireless Mesh Networks. *Li, Haopeng, +, TWC October 2013 5258-5270*
Asymptotically Optimal Cross-Layer Schemes for Relay Networks with Short-Term and Long-Term Constraints. *Marques, Antonio G., +, TWC January 2013 333-345*
Attachment-Learning for Multi-Channel Allocation in Distributed OFDMA-Based Networks. *Wang, Lu, +, TWC April 2013 1712-1721*
Efficient Margin Adaptive Scheduling for MIMO-OFDMA Systems. *Moretti, Marco, +, TWC January 2013 278-287*
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Large System Analysis of Cooperative Multi-Cell Downlink Transmission via Regularized Channel Inversion with Imperfect CSIT. *Zhang, Jun, +, TWC October 2013 4801-4813*
Performance Improvement of Switched-Based Interference Mitigation for Channel Assignment in Over-Loaded Small-Cell Networks. *Gaaloul, Fakhreddine, +, TWC May 2013 2091-2103*
Spectrum Trading for Non-Identical Channel Allocation in Cognitive Radio Networks. *Tehrani, Mohsen Nader, +, TWC October 2013 5100-5109*
Unified Performance Analysis of Orthogonal Transmit Beamforming Methods with User Selection. *Ozyurt, Serdar, +, TWC March 2013 1026-1037*

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A Framework for Uplink Intercell Interference Modeling with Channel-Based Scheduling. *Tabassum, Hina, +, TWC January 2013 206-217*
A Novel Power Allocation Scheme for Two-User GMAC with Finite Input Constellations. *Harshan, J., +, TWC February 2013 818-827*
A Unified Framework for the Ergodic Capacity of Spectrum Sharing Cognitive Radio Systems. *Sboui, Lokman, +, TWC February 2013 877-887*
Achievable Rates over Doubly Selective Rician-Fading Channels under Peak-Power Constraint. *Passerieux, Jean-Michel, +, TWC February 2013 586-594*
Achieving Near Capacity of Non-Binary LDPC Coded Large MIMO Systems with a Novel Ultra Low-Complexity Soft-Output Detector. *Suthisopapan, Puripong, +, TWC October 2013 5185-5199*
Capacity Region Bounds and Resource Allocation for Two-Way OFDM Relay Channels. *He, Fei, +, TWC June 2013 2904-2917*
Characteristics of the Hexapolarized MIMO Channel over Free-Space and Three Non-Free-Space Scenarios. *Piao, Dazhi, +, TWC August 2013 4174-4182*
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A Novel Power Allocation Scheme for Two-User GMAC with Finite Input Constellations. *Harshan, J., +, TWC February 2013 818-827*
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Joint Network-Channel Coding with Rateless Code over Multiple Access Relay System. *Zhang, Yu, +, TWC January 2013 320-332*
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Linear Network Coding Strategies for the Multiple Access Relay Channel with Packet Erasures. *Dai, Mingjun, +, TWC January 2013 218-227*
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Optimization of Network Coded MIMO Transmission in Multiple-Access Relay Network. *Chun, Young Jin, +, TWC May 2013 2436-2444*
Packet Error Outage for Coded Systems Experiencing Fast Fading and Shadowing. *Mary, Philippe, +, TWC February 2013 574-585*
Performance Analysis of Adaptive Physical Layer Network Coding for Wireless Two-Way Relaying. *Muralidharan, Vijayvaradharaj T., +, TWC March 2013 1328-1339*
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Segment Training Based Individual Channel Estimation in One-Way Relay Network with Power Allocation. *Zhang, Shun, +, TWC March 2013 1300-1309*
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Partial Equivalent Channel Inversion Based Precoding with Mode Adaptation in Multiuser MIMO Systems. *Godana, Bruhtesfa E., +, TWC July 2013 3533-3543*
Robust ARQ Precoder Optimization for AF MIMO Relay Systems with Channel Estimation Errors. *Zhang, Zhengyu, +, TWC October 2013 5236-5247*
Two-Phase Scheduling and Leakage-Based Precoding in Wireless Cellular Networks. *Bendlin, Ralf, +, TWC July 2013 3148-3157*

Cognitive radio
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A Feedback- Soft Sensing-Based Access Scheme for Cognitive Radio Networks. *Arafa, Ahmed M., +, TWC July 2013 3226-3237*
A Framework for Distributed Resource Allocation and Admission Control in a Cognitive Digital Home. *Li, Tianming, +, TWC March 2013 984-995*
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Impact of Primary User Traffic on Adaptive Transmission for Cognitive Radio with Partial Relay Selection. *Rao, Anlei, +, TWC March 2013 1162-1172*
Joint Spectrum Sensing and Access Evolutionary Game in Cognitive Radio Networks. *Jiang, Chunxiao, +, TWC May 2013 2470-2483*
Minimum BER Analysis in Interference Channels. *Mili, Mohammad Robat, +, TWC July 2013 3191-3201*
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Performance Analysis of Cyclic Prefixed Single-Carrier Cognitive Amplify-and-Forward Relay Systems. *Kim, Kyeong Jin, +, TWC January 2013 195-205*
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Power-Controlled Cognitive Radio Spectrum Allocation with Chemical Reaction Optimization. *Lam, Albert Y.S., +, TWC July 2013 3180-3190*
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Robust Power Control under Channel Uncertainty for Cognitive Radios with Sensing Delays. *Xiao, Hua, +, TWC February 2013 646-655*
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Bilayer Protograph Codes for Half-Duplex Relay Channels. *Van Nguyen, Thuy, +, TWC May 2013 1969-1977*
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Energy-Efficient Distributed Data Storage for Wireless Sensor Networks Based on Compressed Sensing and Network Coding. *Yang, Xianjun, +, TWC October 2013 5087-5099*
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Robust Compressive Data Gathering in Wireless Sensor Networks. *Tang, Yu, +, TWC June 2013 2754-2761*
STCDG: An Efficient Data Gathering Algorithm Based on Matrix Completion for Wireless Sensor Networks. *Cheng, Jie, +, TWC February 2013 850-861*
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Joint Node Localization and Time-Varying Clock Synchronization in Wireless Sensor Networks. *Ahmad, Aitzaz, +, TWC October 2013 5322-5333*
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Iterative D.C. Optimization of Precoding in Wireless MIMO Relaying. *Phan, A. H., +, TWC April 2013 1617-1627*
Joint Resource Allocation and User Association for Heterogeneous Wireless Cellular Networks. *Fooladivanda, Dariush, +, TWC January 2013 248-257*
Optimal Randomization of Signal Constellations on the Downlink of a Multiuser DS-CDMA System. *Tutay, Mehmet Emin, +, TWC October 2013 4878-4891*
Power Allocation and Time-Domain Artificial Noise Design for Wiretap OFDM with Discrete Inputs. *Qin, Haohao, +, TWC June 2013 2717-2729*
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Robust ARQ Precoder Optimization for AF MIMO Relay Systems with Channel Estimation Errors. *Zhang, Zhengyu, +, TWC October 2013 5236-5247*

Constraint theory
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Robust Power Control under Channel Uncertainty for Cognitive Radios with Sensing Delays. *Xiao, Hua, +, TWC February 2013 646-655*
Secure Wireless Multicast for Delay-Sensitive Data via Network Coding. *Tran, Tuan T., +, TWC July 2013 3372-3387*
Simultaneous Transmission and Reception: Algorithm, Design and System Level Performance. *Choi, Yang-Seok, +, TWC December 2013 5992-6010*
The Local Delay in Mobile Poisson Networks. *Gong, Zhenhua, +, TWC September 2013 4766-4777*
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Demodulation
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On Detection Strategies for Linearly Precoded MIMO-OFDM Systems with CSIT. *Riera-Palou, Felip, +, TWC December 2013 5979-5991*
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Digital multimedia broadcasting
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Digital signatures
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Digital simulation
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Digital TV
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Digital video broadcasting
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Direction-of-arrival estimation
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Cramer-Rao Bounds for Joint RSS/DoA-Based Primary-User Localization in Cognitive Radio Networks. *Wang, Jun, +, TWC March 2013 1363-1375*
Distributed Angle Estimation for Localization in Wireless Sensor Networks. *Zhang, Weile, +, TWC February 2013 527-537*
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Distance measurement
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Distributed Control of Multiple Cognitive Radio Overlay for Primary Queue Stability. *Lapiccirella, Fabio E., +, TWC January 2013 112-122*
Distributed Multiple Target-SINRs Tracking Power Control in Wireless Multirate Data Networks. *Monemi, Mehdi, +, TWC April 2013 1850-1859*
Distributed Sampling Rate Control for Rechargeable Sensor Nodes with Limited Battery Capacity. *Zhang, Yongmin, +, TWC June 2013 3096-3106*
Diversity methods
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Diversity reception
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A Single-User Noncoherent Combining Scheme Achieving Multiuser Interference Mitigation for FFH/MFSK Systems. *Yang, Fucheng, +, TWC September 2013 4306-4314*
Achieving Full Diversity in Multi-Antenna Two-Way Relay Networks via Symbol-Based Physical-Layer Network Coding. *Cao, Ruohan, +, TWC July 2013 3445-3457*
Adaptive Spectrum Leasing with Secondary User Scheduling in Cognitive Radio Networks. *Zhai, Chao, +, TWC July 2013 3388-3398*
Application of Cooperative Diversity to Cognitive Radio Leasing: Model and Analytical Characterization of Resource Gains. *Gomez-Cuba, F., +, TWC January 2013 40-49*
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Diversity Analysis of Non-Coherent Wireless Network Coding. *Guan, Wei, +, TWC April 2013 1800-1811*
Empirical Evaluation of the Received Power Gain when Remote Radio Heads are Used to Enhance the Coverage Area in Urban Environments. *Ahumada, L., +, TWC June 2013 2830-2839*
Energy Efficiency of Power-Adaptive Spatial Diversity Methods. *Apilo, Olli, +, TWC September 2013 4246-4257*
Error Performance and Diversity Analysis of Multi-Source Multi-Relay Wireless Networks with Binary Network Coding and Cooperative MRC. *Di Renzo, Marco, +, TWC June 2013 2883-2903*
Exploiting Multi-User Diversity and Multi-Hop Diversity in Dual-Hop Broadcast Channels. *Zafar, Ammar, +, TWC July 2013 3314-3325*
Full-Rate Full-Diversity Finite Feedback Space-Time Schemes with Minimum Feedback and Transmission Duration. *Natarajan, Lakshmi Prasad, +, TWC October 2013 5022-5034*
GLRT Approach for Robust Burst Packet Acquisition in Wireless Communications. *Xiao, Zhenyu, +, TWC March 2013 1127-1137*
Heterogeneous Relay Selection. *Abouelseoud, Mohamed, +, TWC April 2013 1735-1743*
High-Throughput Cooperative Communication with Interference Cancellation for Two-Path Relay in Multi-Source System. *Lu, Hao, +, TWC October 2013 4840-4851*
Integer-Forcing MIMO Linear Receivers Based on Lattice Reduction. *Sakzad, Amin, +, TWC October 2013 4905-4915*
Joint Antenna Selection and Frequency-Domain Scheduling in OFDMA Systems with Imperfect Estimates from Dual Pilot Training Scheme. *Kashyap, Salil, +, TWC July 2013 3473-3483*
Joint Switched Multi-Spectrum and Transmit Antenna Diversity for Spectrum Sharing Systems. *Sayed, Mostafa, +, TWC October 2013 4827-4839*
Multi-Packet Interference in Opportunistic Large Array Broadcasts over Disk Networks. *Jung, Haejoon, +, TWC November 2013 5631-5645*
On Detection Strategies for Linearly Precoded MIMO-OFDM Systems with CSIT. *Riera-Palou, Felip, +, TWC December 2013 5979-5991*
On Optimizing Green Energy Utilization for Cellular Networks with Hybrid Energy Supplies. *Han, Tao, +, TWC August 2013 3872-3882*
On the Energy Efficiency of a Relaying Protocol with HARQ-IR and Distributed Cooperative Beamforming. *Choi, Jinho, +, TWC February 2013 769-781*
On the Performance of Hybrid-ARQ with Incremental Redundancy and with Code Combining over Relay Channels. *Chelli, Ali, +, TWC August 2013 3860-3871*
Optimal Save-Then-Transmit Protocol for Energy Harvesting Wireless Transmitters. *Luo, Shixin, +, TWC March 2013 1196-1207*
Optimization of Network Coded MIMO Transmission in Multiple-Access Relay Network. *Chun, Young Jin, +, TWC May 2013 2436-2444*
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Performance Analysis of Cooperative Multi-Hop Networks with Hop Selection in Nakagami-m Fading Channels. *Lee, Bumsoo, +, TWC August 2013 3851-3859*
Performance Analysis of Macrodiversity MIMO Systems with MMSE and ZF Receivers in Flat Rayleigh Fading. *Basnayaka, Dushyantha A., +, TWC May 2013 2240-2251*
Performance Analysis of Opportunistic Relaying Scheme with Outdated Channel Information. *Kim, Seokjung, +, TWC February 2013 538-549*
Performance of Linear Receivers in Frequency-Selective MIMO Channels. *Mehana, Ahmed Hesham, +, TWC June 2013 2697-2705*
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Power Optimized DSTBC Assisted DMF Relaying in Wireless Sensor Networks with Redundant Super Nodes. *Razi, Abolfazl, +, TWC February 2013 636-645*
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Scheduling Exploiting Frequency and Multi-User Diversity in LTE Downlink Systems. *Niu, Jinping, +, TWC April 2013 1843-1849*
Single-Carrier Frequency-Domain Equalizer with Multi-Antenna Transmit Diversity. *Mehana, Ahmed Hesham, +, TWC January 2013 388-397*
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Doppler effect
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Downlink
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Resource Allocation in Two-Tier Heterogeneous Networks through Enhanced Shadow Chasing. *Elsherif, Ahmed R., +, TWC December 2013 6439-6453*
User Classification and Scheduling in LTE Downlink Systems with Heterogeneous User Mobilities. *Niu, Jinping, +, TWC December 2013 6205-6213*
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Dynamic programming
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Robust Power Control under Channel Uncertainty for Cognitive Radios with Sensing Delays. *Xiao, Hua, +, TWC February 2013 646-655*
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Eigenvalues and eigenfunctions
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Electromagnetic induction
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Electromagnetic wave polarization
Characteristics of the Hexapolarized MIMO Channel over Free-Space and Three Non-Free-Space Scenarios. *Piao, Dazhi, +, TWC August 2013 4174-4182*
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Embedded systems
Bilayer Protograph Codes for Half-Duplex Relay Channels. *Van Nguyen, Thuy, +, TWC May 2013 1969-1977*
Encoding
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Dirty Paper Coding for Gaussian Cognitive Z-Interference Channel: Performance Results. *Al-qudah, Zouhair, +, TWC December 2013 6086-6095*
Distributed Linear Convolutional Space-Time Coding for Two-Relay Full-Duplex Asynchronous Cooperative Networks. *Liu, Yi, +, TWC December 2013 6406-6417*
Gaussian Interference Channel with State Information. *Zhang, Lili, +, TWC August 2013 4058-4071*
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Performance Analysis of Cooperative Multi-Hop Networks with Hop Selection in Nakagami-m Fading Channels. *Lee, Bumsoo, +, TWC August 2013 3851-3859*
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A Scalable Architecture for Distributed Transmit Beamforming with Commodity Radios: Design and Proof of Concept. *Quitin, Franeois, +, TWC March 2013 1418-1428*
Digital Network Coding Aided Two-Way Relaying: Energy Minimization and Queue Analysis. *Chen, Zhi, +, TWC April 2013 1947-1957*
Energy Efficiency Evaluation of Cellular Networks Based on Spatial Distributions of Traffic Load and Power Consumption. *Xiang, Lin, +, TWC March 2013 961-973*
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Energy Efficiency Optimization for OFDM-Based Cognitive Radio Systems: A Water-Filling Factor Aided Search Method. *Mao, Junling, +, TWC May 2013 2366-2375*
Energy-Efficient Power Adaptation over a Frequency-Selective Fading Channel with Delay and Power Constraints. *Helmy, Amir, +, TWC September 2013 4529-4541*
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One-Bit CSI Feedback Selection Schemes for Energy-Efficient Multiuser and Multirelay Systems. *Le, Viet-Anh, +, TWC March 2013 1149-1161*
QoS-Aware and Energy-Efficient Resource Management in OFDMA Femtocells. *Le, Long Bao, +, TWC January 2013 180-194*
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Dynamic Base Station Switching-On/Off Strategies for Green Cellular Networks. *Oh, Eunsung, +, TWC May 2013 2126-2136*
Dynamic Multilevel Priority Packet Scheduling Scheme for Wireless Sensor Network. *Nasser, Nidal, +, TWC April 2013 1448-1459*
Minimum-Energy Power and Rate Control for Fair Scheduling in the Cellular Downlink under Flow Level Delay Constraint. *Hossain, M. M. A., +, TWC July 2013 3253-3263*
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Performance Analysis and Optimization for Energy-Efficient Cooperative Transmission in Random Wireless Sensor Network. *Li, Bin, +, TWC September 2013 4647-4657*
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An Analytical Approach to the Design of Energy Harvesting Wireless Sensor Nodes. *Zhang, Shenqiu, +, TWC August 2013 4010-4024*
Analytic Conditions for Energy Neutrality in Uniformly-Formed Wireless Sensor Networks. *Besbes, Hana, +, TWC October 2013 4916-4931*
Cognitive Radio Networks with Energy Harvesting. *Park, Sungsoo, +, TWC March 2013 1386-1397*
Distributed Sampling Rate Control for Rechargeable Sensor Nodes with Limited Battery Capacity. *Zhang, Yongmin, +, TWC June 2013 3096-3106*
Energy-Efficient Transmission for Wireless Energy Harvesting Nodes. *Gregori, Maria, +, TWC March 2013 1244-1254*
MIMO Broadcasting for Simultaneous Wireless Information and Power Transfer. *Zhang, Rui, +, TWC May 2013 1989-2001*
Opportunistic Wireless Energy Harvesting in Cognitive Radio Networks. *Lee, Seunghyun, +, TWC September 2013 4788-4799*

Optimal Save-Then-Transmit Protocol for Energy Harvesting Wireless Transmitters. *Luo, Shixin, +, TWC March 2013 1196-1207*
Optimal Scheduling and Power Allocation for Two-Hop Energy Harvesting Communication Systems. *Luo, Yaming, +, TWC September 2013 4729-4741*
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Wireless Information and Power Transfer: Energy Efficiency Optimization in OFDMA Systems. *Ng, Derrick Wing Kwan, +, TWC December 2013 6352-6370*

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Power Allocation for an Energy Harvesting Transmitter with Hybrid Energy Sources. *Ahmed, Imtiaz, +, TWC December 2013 6255-6267*

Entertainment
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Entropy
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Environmental factors
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Performance of Linear Receivers in Frequency-Selective MIMO Channels. *Mehana, Ahmed Hesham, +, TWC June 2013 2697-2705*
Pragmatic Frequency Domain Equalization for Single Carrier with Offset Modulations. *Luzio, Miguel, +, TWC September 2013 4496-4505*
Probabilistic QoS Constrained Robust Downlink Multiuser MIMO Transceiver Design with Arbitrarily Distributed Channel Uncertainty. *He, Xin, +, TWC December 2013 6292-6302*
Relay Selection Strategies for Single-Carrier Frequency-Domain Equalization Multi-Relay Cooperative Networks. *Eghbali, Homa, +, TWC May 2013 2034-2045*
Single-Carrier Frequency-Domain Equalizer with Multi-Antenna Transmit Diversity. *Mehana, Ahmed Hesham, +, TWC January 2013 388-397*

Equations
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Error correction codes
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On-Line Construction of Irregular Repeat Accumulate Codes for Packet Erasure Channels. *Liva, Gianluigi, +, TWC February 2013 680-689*
Piggyback Retransmissions over Wireless MIMO Channels: Shared Hybrid-ARQ (SHARQ) for Bandwidth Efficiency. *Liang, Xiao, +, TWC August 2013 3770-3782*

Error probability
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Unequal Diversity LDPC Codes for Relay Channels. *Pulini, Paola, +, TWC November 2013 5646-5655*

Error statistics
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A Note on "Amplify-and-Forward Relay Networks under Received Power Constraint" [Nov 09 5422-5426]. *Lee, Kanghee, +, TWC October 2013 5375*
A Peak Power Efficient Cooperative Diversity using Star-QAM with Coherent/Noncoherent Detection. *Ishibashi, Koji, +, TWC May 2013 2137-2147*
A Single-User Noncoherent Combining Scheme Achieving Multiuser Interference Mitigation for FFH/MFSK Systems. *Yang, Fucheng, +, TWC September 2013 4306-4314*
Anti-Jamming Message-Driven Frequency Hopping—Part II: Capacity Analysis Under Disguised Jamming. *Zhang, Lei, +, TWC January 2013 80-88*
Compressive Sensing for Spread Spectrum Receivers. *Fyhn, Karsten, +, TWC May 2013 2334-2343*
Decoding and Performance Bound of Demodulate-and-Forward Based Distributed Alamouti STBC. *Bansal, Ankur, +, TWC February 2013 702-713*
Energy Efficiency of Power-Adaptive Spatial Diversity Methods. *Apilo, Olli, +, TWC September 2013 4246-4257*
Energy-Efficient Communication via Feedback. *Mirghaderi, Reza, +, TWC July 2013 3338-3349*
Energy-Efficient Power Adaptation over a Frequency-Selective Fading Channel with Delay and Power Constraints. *Helmy, Amir, +, TWC September 2013 4529-4541*
Error Rate Analysis of GF(q) Network Coded Detect-and-Forward Wireless Relay Networks Using Equivalent Relay Channel Models. *Safak, Ilgin, +, TWC August 2013 3908-3919*
Estimation of Fast Time-Varying Channels in OFDM Systems Using Two-Dimensional Prolate. *Pena-Campos, F., +, TWC February 2013 898-907*
Exact Non-Gaussian Interference Model for Fading Channels. *Chen, Yi, +, TWC January 2013 168-179*
Exact Symbol Error Probability of Hybrid/Integrated Satellite-Terrestrial Cooperative Network. *Sreng, Sokchenda, +, TWC March 2013 1310-1319*
Full-Rate Full-Diversity Finite Feedback Space-Time Schemes with Minimum Feedback and Transmission Duration. *Natarajan, Lakshmi Prasad, +, TWC October 2013 5022-5034*
High-Throughput Cooperative Communication with Interference Cancellation for Two-Path Relay in Multi-Source System. *Lu, Hao, +, TWC October 2013 4840-4851*
Impact of Primary User Traffic on Adaptive Transmission for Cognitive Radio with Partial Relay Selection. *Rao, Anlei, +, TWC March 2013 1162-1172*
Integer-Forcing MIMO Linear Receivers Based on Lattice Reduction. *Sakzad, Amin, +, TWC October 2013 4905-4915*
Joint Antenna Selection and Frequency-Domain Scheduling in OFDMA Systems with Imperfect Estimates from Dual Pilot Training Scheme. *Kashyap, Salil, +, TWC July 2013 3473-3483*
Joint Network-Channel Coding with Rateless Code over Multiple Access Relay System. *Zhang, Yu, +, TWC January 2013 320-332*
Joint Switched Multi-Spectrum and Transmit Antenna Diversity for Spectrum Sharing Systems. *Sayed, Mostafa, +, TWC October 2013 4827-4839*
Minimum BER Analysis in Interference Channels. *Mili, Mohammad Robat, +, TWC July 2013 3191-3201*
Minimum Energy Channel Codes for Nanoscale Wireless Communications. *Kocaoglu, Murat, +, TWC April 2013 1492-1500*
Novel Distributed Quasi-Orthogonal Space-Time Block Codes for Two-Way Two-Antenna Relay Networks. *Gong, Feng-Kui, +, TWC September 2013 4338-4349*
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On Non-Binary Constellations for Channel-Coded Physical-Layer Network Coding. *Faraji-Dana, Zahra, +, TWC January 2013 312-319*
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On the Throughput Capacity and Performance Analysis of Hybrid Wireless Networks over Fading Channels. *Wang, Xin, +, TWC June 2013 2930-2940*
Optimal-Switching Adaptive Modulation for Multiuser Relay Networks with Feedback Delays. *Thilina, Karaputugala G. Madushan, +, TWC August 2013 3682-3695*
Outage Probability for Diversity Combining in Interference-Limited Channels. *Chopra, Aditya, +, TWC February 2013 550-560*
Packet Error Outage for Coded Systems Experiencing Fast Fading and Shadowing. *Mary, Philippe, +, TWC February 2013 574-585*

Performance Analysis of Adaptive Physical Layer Network Coding for Wireless Two-Way Relaying. *Muralidharan, Vijayvaradharaj T., +, TWC March 2013 1328-1339*
Performance Analysis of Cyclic Prefixed Single-Carrier Cognitive Amplify-and-Forward Relay Systems. *Kim, Kyeong Jin, +, TWC January 2013 195-205*
Performance Analysis of OFDM Systems with Selected Mapping in the Presence of Nonlinearity. *Bae, Kitaek, +, TWC May 2013 2314-2322*
Performance Analysis of ZF-Precoded Scheduling System for MU-MIMO with Generalized Selection Criterion. *Lee, Donghun, +, TWC April 2013 1812-1818*
Performance of Systematic RRNS Based Space-Time Block Codes with Probability-Aware Adaptive Demapping. *Sengupta, Avik, +, TWC May 2013 2458-2469*
Pilot-Aided Side Information Detection in SLM-Based OFDM Systems. *Hong, Eonpyo, +, TWC July 2013 3140-3147*
Power Optimized DSTBC Assisted DMF Relaying in Wireless Sensor Networks with Redundant Super Nodes. *Razi, Abolfazl, +, TWC February 2013 636-645*
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Combined Pilot-Aided and Decision-Directed Carrier Synchronization for Filtered Multitone Wireless Systems. *Moretti, Marco, +, TWC February 2013 748-757*
Comparisons of Two Real-Valued MIMO Signal Models and Their Associated ZF-SIC Detectors over the Rayleigh Fading Channel. *Liu, Tsung-Hsien, +, TWC December 2013 6054-6066*
Cooperative Beamforming for Cognitive Radio Systems with Asynchronous Interference to Primary User. *Hassan, Mai H., +, TWC November 2013 5468-5479*
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Digital Network Coding Aided Two-Way Relaying: Energy Minimization and Queue Analysis. *Chen, Zhi, +, TWC April 2013 1947-1957*
Distributed Power Allocation for Coordinated Multipoint Transmissions in Distributed Antenna Systems. *Zhang, Xiujun, +, TWC May 2013 2281-2291*
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Impact of Unknown Time-varying Fading on the Information Rates of Amplify and Forward Cooperative Systems. *Mohammadi, Mohammadali, +, TWC January 2013 146-157*
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Relay Selection Strategies for Single-Carrier Frequency-Domain Equalization Multi-Relay Cooperative Networks. *Eghbali, Homa, +, TWC May 2013 2034-2045*
Robust Power Control under Channel Uncertainty for Cognitive Radios with Sensing Delays. *Xiao, Hua, +, TWC February 2013 646-655*
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Use of Shadowing Moments to Statistically Model Mobile Satellite Channels in Urban Environments. *Seyedi, Younes, +, TWC August 2013 3760-3769*
Wireless Information Transfer with Opportunistic Energy Harvesting. *Liu, Liang, +, TWC January 2013 288-300*
Zadoff-Chu Sequence Based Signature Identification for OFDM. *Lee, Kilbom, +, TWC October 2013 4932-4942*

Feedback
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Analysis of Hybrid ARQ in Ad Hoc Networks with Correlated Interference and Feedback Errors. *Ding, Haichuan, +, TWC August 2013 3942-3955*
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Distributed Control of Multiple Cognitive Radio Overlay for Primary Queue Stability. *Lapiccirella, Fabio E., +, TWC January 2013 112-122*
Dynamic Coalition Formation for Network MIMO in Small Cell Networks. *Guruacharya, Sudarshan, +, TWC October 2013 5360-5372*
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Joint Opportunistic Scheduling and Selective Channel Feedback. *Karaca, Mehmet, +, TWC June 2013 3024-3034*
Large System Analysis of Cooperative Multi-Cell Downlink Transmission via Regularized Channel Inversion with Imperfect CSIT. *Zhang, Jun, +, TWC October 2013 4801-4813*
Limited Feedback-Based Multi-Antenna Relay Broadcast Channels with Block Diagonalization. *Liang, Le, +, TWC August 2013 4092-4101*
On Managing Interferences under Heterogeneous CSIT Feedback for Multi-User Transmission. *Ghaffar, Rizwan, +, TWC February 2013 828-839*
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One-Bit CSI Feedback Selection Schemes for Energy-Efficient Multiuser and Multirelay Systems. *Le, Viet-Anh, +, TWC March 2013 1149-1161*
Optimal Feedback Rate Sharing Strategy in Zero-Forcing MIMO Broadcast Channels. *Lee, Jung Hoon, +, TWC June 2013 3000-3011*
Quantized Ergodic Radio Resource Allocation in OFDMA-Based Cognitive DF Relay-Assisted Networks. *Mokari, Nader, +, TWC October 2013 5110-5123*
Relay Subset Selection in Cooperative Systems with Beamforming and Limited Feedback. *Zhang, Yuxian, +, TWC October 2013 5271-5281*
Robust Power Control under Channel Uncertainty for Cognitive Radios with Sensing Delays. *Xiao, Hua, +, TWC February 2013 646-655*
Throughput Capacity of MANETs with Power Control and Packet Redundancy. *Liu, Jiajia, +, TWC June 2013 3035-3047*

Feedforward
Partial Equivalent Channel Inversion Based Precoding with Mode Adaptation in Multiuser MIMO Systems. *Godana, Bruhtesfa E., +, TWC July 2013 3533-3543*

Femtocellular radio
Cognitive Hybrid Division Duplex for Two-Tier Femtocell Networks. *Soh, Yong Sheng, +, TWC October 2013 4852-4865*
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On Number of Almost Blank Subframes in Heterogeneous Cellular Networks. *Cierny, Michal, +, TWC October 2013 5061-5073*
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Frequency allocation
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Frequency diversity
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Frequency division multiaccess
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A Practical Cooperative Multicell MIMO-OFDMA Network Based on Rank Coordination. *Clerckx, Bruno, +, TWC April 2013 1481-1491*
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Chance-Constrained Optimization of OFDMA Cognitive Radio Uplinks. *Soltani, Nasim Yahya, +, TWC March 2013 1098-1107*
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Discovery Signal Design and its Application to Peer-to-Peer Communications in OFDMA Cellular Networks. *Zou, Jun, +, TWC August 2013 3995-4009*

Downlink Resource Allocation for Next Generation Wireless Networks with Inter-Cell Interference. *Yu, Yiwei, +, TWC April 2013 1783-1793*
Dynamic Coalition Formation for Network MIMO in Small Cell Networks. *Guruacharya, Sudarshan, +, TWC October 2013 5360-5372*
Hierarchical Competition for Downlink Power Allocation in OFDMA Femtocell Networks. *Guruacharya, Sudarshan, +, TWC April 2013 1543-1553*
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QoS-Aware and Energy-Efficient Resource Management in OFDMA Femtocells. *Le, Long Bao, +, TWC January 2013 180-194*
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Realizing Cooperative Multiuser OFDMA Systems with Subcarrier Resource Allocation. *Li, Shenghong, +, TWC April 2013 1923-1935*
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Frequency domain analysis
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Frequency shift keying
A Single-User Noncoherent Combining Scheme Achieving Multiuser Interference Mitigation for FFH/MFSK Systems. *Yang, Fucheng, +, TWC September 2013 4306-4314*

Fuzzy logic
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Gamma distribution
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Gaussian channels
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Gaussian Interference Channel with State Information. *Zhang, Lili, +, TWC August 2013 4058-4071*
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Geometric programming
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Joint Back-Pressure Power Control and Interference Cancellation in Wireless Multi-Hop Networks. *Gopalakrishnan, Balasubramanian, +, TWC July 2013 3484-3495*
Joint I/Q Mismatch and Distortion Compensation in Direct Conversion Transmitters. *Zhu, Zhiwen, +, TWC June 2013 2941-2951*
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Linear Network Coding Strategies for the Multiple Access Relay Channel with Packet Erasures. *Dai, Mingjun, +, TWC January 2013 218-227*
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Joint Network-Channel Coding with Rateless Code in Two-Way Relay Systems. *Zhang, Yu, +, TWC July 2013 3158-3169*
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Dynamic eICIC — A Proactive Strategy for Improving Spectral Efficiencies of Heterogeneous LTE Cellular Networks by Leveraging User Mobility and Traffic Dynamics. *Vasudevan, Subramanian, +, TWC October 2013 4956-4969*
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Joint Antenna Selection and Frequency-Domain Scheduling in OFDMA Systems with Imperfect Estimates from Dual Pilot Training Scheme. *Kashyap, Salil, +, TWC July 2013 3473-3483*
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On Managing Interferences under Heterogeneous CSIT Feedback for Multi-User Transmission. *Ghaffar, Rizwan, +, TWC February 2013 828-839*
Optimization of Soft Frequency Reuse for Irregular LTE Macrocellular Networks. *Gonzalez G, David, +, TWC May 2013 2410-2423*
Outage-Capacity Based Adaptive Relaying in LTE-Advanced Networks. *Song, S. H., +, TWC September 2013 4778-4787*
Relay Selection and Resource Allocation for Multi-User Cooperative OFDMA Networks. *Alam, Md Shamsul, +, TWC May 2013 2193-2205*
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Macrocell networks

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Marine communication

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Markov processes

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A Markov Decision Theoretic Approach to Pilot Allocation and Receive Antenna Selection. *Stephen, Reuben George, +, TWC August 2013 3813-3823*

Analytical Modeling and Performance Evaluation of Cell Selection Algorithms for Mobile Networks with Backhaul Capacity Constraints. *Olmos, Juan J., +, TWC December 2013 6011-6023*

Collaborative Sensing Management for Cognitive Radio Networks with Reporting Overhead. *Jeon, Wha Sook, +, TWC February 2013 595-605*

Cross-Layer QoS-Constrained Optimization of Adaptive Multi-Rate Wireless Systems using Infrastructure-Based Cooperative ARQ. *Ramis, Jaume, +, TWC May 2013 2424-2435*

Distributed Multiuser Sequential Channel Sensing Schemes in Multichannel Cognitive Radio Networks. *Shokri-Ghadikolaei, Hossein, +, TWC May 2013 2055-2067*

Errata to the paper "A New Queueing Model for QoS Analysis of IEEE 802.11 DCF with Finite Buffer and Load" [Aug 10 2664-2675]. *Liu, Ren Ping, +, TWC October 2013 5374*

Modeling and Analysis of Cognitive Radio Based IEEE 802.22 Wireless Regional Area Networks. *Tadayon, Navid, +, TWC September 2013 4363-4375*

On the Behavior of RObust Header Compression U-mode in Channels with Memory. *Hermenier, Romain, +, TWC August 2013 3722-3732*

Optimal Distributed Scheduling under Time-Varying Conditions: A Fast-CSMA Algorithm with Applications. *Li, Bin, +, TWC July 2013 3278-3288*

Optimal Scheduling over Time-Varying Channels with Traffic Admission Control: Structural Results and Online Learning Algorithms. *Phan, Khoa T., +, TWC September 2013 4434-4444*

Performance Analysis of Linear Cooperative Multi-Hop Networks Subject to Composite Shadowing-Fading. *Bacha, Mudasar, +, TWC November 2013 5850-5858*

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QoS-Aware and Energy-Efficient Resource Management in OFDMA Femtocells. *Le, Long Bao, +, TWC January 2013 180-194*

Robust Power Control under Channel Uncertainty for Cognitive Radios with Sensing Delays. *Xiao, Hua, +, TWC February 2013 646-655*

Secure Wireless Multicast for Delay-Sensitive Data via Network Coding. *Tran, Tuan T., +, TWC July 2013 3372-3387*

Stochastic Performance Analysis of a Wireless Finite-State Markov Channel. *Zheng, Kan, +, TWC February 2013 782-793*

Throughput Analysis of Primary and Secondary Networks in a Shared IEEE 802.11 System. *Kumar, Santhosh, +, TWC March 2013 1006-1017*

Throughput Capacity of MANETs with Power Control and Packet Redundancy. *Liu, Jiajia, +, TWC June 2013 3035-3047*

Urban Location Estimation for Mobile Cellular Networks: A Fuzzy-Tuned Hybrid Systems Approach. *Ho, Tan-Jan, +, TWC May 2013 2389-2399*

Wireless Access Network Selection Game with Negative Network Externality. *Yang, Yu-Han, +, TWC October 2013 5048-5060*

Mathematical model

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Mathematical programming

Energy-Efficient Power Adaptation over a Frequency-Selective Fading Channel with Delay and Power Constraints. *Helmy, Amir, +, TWC September 2013 4529-4541*

Hierarchical Competition for Downlink Power Allocation in OFDMA Femtocell Networks. *Guruacharya, Sudarshan, +, TWC April 2013 1543-1553*

Robust Performance of Spectrum Sensing in Cognitive Radio Networks. *Gong, Shimin, +, TWC May 2013 2217-2227*

Matrix algebra

A New Family of Low-Complexity STBCs for Four Transmit Antennas. *Ismail, Amr, +, TWC March 2013 1208-1219*

Adaptive Coordinated Napping (CoNap) for Energy Saving in Wireless Networks. *Adachi, Koichi, +, TWC November 2013 5656-5667*

Compressive Sensing for Spread Spectrum Receivers. *Fyhn, Karsten, +, TWC May 2013 2334-2343*

Integer-Forcing Linear Receiver Design with Slowest Descent Method. *Wei, Lili, +, TWC June 2013 2788-2796*

Iterative D.C. Optimization of Precoding in Wireless MIMO Relaying. *Phan, A. H., +, TWC April 2013 1617-1627*

Joint Beamforming and Power Control in Coordinated Multicell: Max-Min Duality, Effective Network and Large System Transition. *Huang, Yichao, +, TWC June 2013 2730-2742*

Joint Precoder Design for Distributed Transmission of Correlated Sources in Sensor Networks. *Fang, Jun, +, TWC June 2013 2918-2929*

Large System Analysis of Cooperative Multi-Cell Downlink Transmission via Regularized Channel Inversion with Imperfect CSIT. *Zhang, Jun, +, TWC October 2013 4801-4813*

Novel Distributed Quasi-Orthogonal Space-Time Block Codes for Two-Way Two-Antenna Relay Networks. *Gong, Feng-Kui, +, TWC September 2013 4338-4349*

On-Line Construction of Irregular Repeat Accumulate Codes for Packet Erasure Channels. *Liva, Gianluigi, +, TWC February 2013 680-689*

Optimal Beamforming Schemes and its Capacity Behavior for Downlink Distributed Antenna Systems. *Lee, Sang-Rim, +, TWC June 2013 2578-2587*

Parametrization Based Limited Feedback Design for Correlated MIMO Channels Using New Statistical Models. *Godana, Bruhtesfa E., +, TWC October 2013 5172-5184*

Precoding Design for MIMO Relay Multicasting. *Khandaker, Muhammad R. A., +, TWC July 2013 3544-3555*

QoS Guarantees in AF Relay Networks with Multiple Source-Destination Pairs in the Presence of Imperfect CSI. *Liu, Yupeng, +, TWC September 2013 4225-4235*

Robust Power Control under Channel Uncertainty for Cognitive Radios with Sensing Delays. *Xiao, Hua, +, TWC February 2013 646-655*

Spatial-Division Multiplexing MIMO Detection Based on a Modified Layered OSIC Scheme. *Chang, Dah-Chung, +, TWC September 2013 4258-4271*

STCDG: An Efficient Data Gathering Algorithm Based on Matrix Completion for Wireless Sensor Networks. *Cheng, Jie, +, TWC February 2013 850-861*

Matrix decomposition

Asymptotically Optimal Cross-Layer Schemes for Relay Networks with Short-Term and Long-Term Constraints. *Marques, Antonio G., +, TWC January 2013 333-345*

Minimizing the Complexity of Fast Sphere Decoding of STBCs. *Jithamithra, G. R., +, TWC December 2013 6142-6153*

Two-Stage List Sphere Decoding for Under-Determined Multiple-Input Multiple-Output Systems. *Qian, Chen, +, TWC December 2013 6476-6487*

Matrix inversion

Gaussian Approximation Based Interpolation for Channel Matrix Inversion in MIMO-OFDM Systems. *Zhang, Jian A., +, TWC March 2013 1407-1417*

Matrix multiplication

Algebraic Approach for Robust Localization with Heterogeneous Information. *Macagnano, Davide, +, TWC October 2013 5334-5345*

Maximum likelihood decoding

Asymptotically-Good, Multigroup Decodable Space-Time Block Codes. *Natarajan, Lakshmi Prasad, +, TWC October 2013 5035-5047*

Decoding and Performance Bound of Demodulate-and-Forward Based Distributed Alamouti STBC. *Bansal, Ankur, +, TWC February 2013 702-713*

On-Line Construction of Irregular Repeat Accumulate Codes for Packet Erasure Channels. *Liva, Gianluigi, +, TWC February 2013 680-689*

Performance of Systematic RRNS Based Space-Time Block Codes with Probability-Aware Adaptive Demapping. *Sengupta, Avik, +, TWC May 2013 2458-2469*
Pilot-Aided Side Information Detection in SLM-Based OFDM Systems. *Hong, Eonpyo, +, TWC July 2013 3140-3147*
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Novel Distributed Quasi-Orthogonal Space-Time Block Codes for Two-Way Two-Antenna Relay Networks. *Gong, Feng-Kui, +, TWC September 2013 4338-4349*
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Maximum likelihood estimation
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Combined Pilot-Aided and Decision-Directed Carrier Synchronization for Filtered Multitone Wireless Systems. *Moretti, Marco, +, TWC February 2013 748-757*
Detection of Temporally Correlated Signals over Multipath Fading Channels. *Huang, Yifei, +, TWC March 2013 1290-1299*
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Impact of Wireless Channel Uncertainty upon Distributed Detection Systems. *Ahmadi, Hamid R., +, TWC June 2013 2566-2577*
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Relay Selection Strategies for Single-Carrier Frequency-Domain Equalization Multi-Relay Cooperative Networks. *Eghbali, Homa, +, TWC May 2013 2034-2045*
Segment Training Based Individual Channel Estimation in One-Way Relay Network with Power Allocation. *Zhang, Shun, +, TWC March 2013 1300-1309*
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Mean square error methods
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Energy-Efficient Distributed Data Storage for Wireless Sensor Networks Based on Compressed Sensing and Network Coding. *Yang, Xianjun, +, TWC October 2013 5087-5099*
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On Transmission of Multiresolution Gaussian Sources over Noisy Relay Networks. *Ho, James, +, TWC July 2013 3170-3179*
Parametrization Based Limited Feedback Design for Correlated MIMO Channels Using New Statistical Models. *Godana, Bruhtesfa E., +, TWC October 2013 5172-5184*
Power Allocation for Robust Distributed Best-Linear-Unbiased Estimation Against Sensing Noise Variance Uncertainty. *Wu, Jwo-Yuh, +, TWC June 2013 2853-2869*
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Relay Selection Strategies for Single-Carrier Frequency-Domain Equalization Multi-Relay Cooperative Networks. *Eghbali, Homa, +, TWC May 2013 2034-2045*
Segment Training Based Individual Channel Estimation in One-Way Relay Network with Power Allocation. *Zhang, Shun, +, TWC March 2013 1300-1309*

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Measurement systems
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Media Access Protocol
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A Convergent Version of the Max SINR Algorithm for the MIMO Interference Channel. *Wilson, Craig, +, TWC June 2013 2952-2961*
A Practical Cooperative Multicell MIMO-OFDMA Network Based on Rank Coordination. *Clerckx, Bruno, +, TWC April 2013 1481-1491*
A Scalable Architecture for Distributed Transmit Beamforming with Commodity Radios: Design and Proof of Concept. *Quitin, Franeois, +, TWC March 2013 1418-1428*

Achievable Degrees of Freedom on MIMO Two-way Relay Interference Channels. *Lee, Kwangwon, +, TWC April 2013 1472-1480*
Achievable Rates over Doubly Selective Rician-Fading Channels under Peak-Power Constraint. *Passerieux, Jean-Michel, +, TWC February 2013 586-594*
Achieving Near Capacity of Non-Binary LDPC Coded Large MIMO Systems with a Novel Ultra Low-Complexity Soft-Output Detector. *Suthisopapan, Puripong, +, TWC October 2013 5185-5199*
Adaptive and Iterative Multi-Branch MMSE Decision Feedback Detection Algorithms for Multi-Antenna Systems. *de Lamare, Rodrigo C., +, TWC October 2013 5294-5308*
Adaptive Pilot-Symbol Patterns for MIMO OFDM Systems. *Simko, Michal, +, TWC September 2013 4705-4715*
An Efficient Relay Node Placement Scheme for Two-Way MIMO Multi-Hop Networks in Practical Indoor Environments. *Lertwiram, Namzilp, +, TWC June 2013 2977-2987*
Beamformer Designs for MISO Broadcast Channels with Zero-Forcing Dirty Paper Coding. *Tran, Le-Nam, +, TWC March 2013 1173-1185*
Blind Null-Space Learning for MIMO Underlay Cognitive Radio with Primary User Interference Adaptation. *Noam, Yair, +, TWC April 2013 1722-1734*
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Characteristics of the Hexapolarized MIMO Channel over Free-Space and Three Non-Free-Space Scenarios. *Piao, Dazhi, +, TWC August 2013 4174-4182*
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Dynamic Partial Cooperative MIMO System for Delay-Sensitive Applications with Limited Backhaul Capacity. *Cui, Ying, +, TWC November 2013 5889-5895*
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Energy Efficiency Optimization for MIMO Broadcast Channels. *Xu, Jie, +, TWC February 2013 690-701*
Energy-efficient transmission for MIMO interference channels. *Jiang, C., +, TWC June 2013 2988-2999*
Energy-Efficient Uplink Multi-User MIMO. *Miao, Guowang, +, TWC May 2013 2302-2313*
Enhanced Limited Feedback Schemes for DL MU-MIMO ZF Precoding. *Wang, Wei, +, TWC April 2013 1554-1561*
Frequency Domain Packet Scheduling with MIMO for 3GPP LTE Downlink. *Xu, Yinsheng, +, TWC April 2013 1752-1761*
Full-Rate Full-Diversity Finite Feedback Space-Time Schemes with Minimum Feedback and Transmission Duration. *Natarajan, Lakshmi Prasad, +, TWC October 2013 5022-5034*
Generalised Pre-Coding Aided Spatial Modulation. *Zhang, Rong, +, TWC November 2013 5434-5443*
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Multiuser Diversity in Interfering Broadcast Channels: Achievable Degrees of Freedom and User Scaling Law. *Lee, Jung Hoon, +, TWC November 2013 5837-5849*
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Limited Feedback-Based Multi-Antenna Relay Broadcast Channels with Block Diagonalization. *Liang, Le, +, TWC August 2013 4092-4101*
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Optimization of Network Coded MIMO Transmission in Multiple-Access Relay Network. *Chun, Young Jin, +, TWC May 2013 2436-2444*
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Corrections to "Achievable Rate Region under Joint Distributed Beamforming and Power Allocation for Two-Way Relay Networks" [Nov 12 4026-4037]. *ShahbazPanahi, Shahram,* +, *TWC October 2013 5373*
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Energy-Optimal Mobile Cloud Computing under Stochastic Wireless Channel. *Zhang, Weiwen,* +, *TWC September 2013 4569-4581*
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Multi-Packet Communication in Heterogeneous Wireless Networks Adopting Spatial Reuse:Capture Analysis. *Babich, F., +, TWC October 2013 5346-5359*
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Performance Analysis and Design of Maximum Ratio Combining in Channel-Aware MIMO Decision Fusion. *Ciuonzo, Domenico, +, TWC September 2013 4716-4728*
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An Auction Approach to Distributed Power Allocation for Multiuser Cooperative Networks. *Liu, Yuan, +, TWC January 2013 237-247*
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Near-Optimal Waveform Design for Sum Rate Optimization in Time-Reversal Multiuser Downlink Systems. *Yang, Yu-Han, +, TWC January 2013 346-357*
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Opportunistic Interference Alignment for MIMO Interfering Multiple-Access Channels. *Yang, Hyun Jong, +, TWC May 2013 2180-2192*
Optimal Rate Allocation for Distributed Source Coding over Gaussian Multiple Access Channels. *Wang, Tianqi, +, TWC May 2013 2002-2013*
Optimization of Network Coded MIMO Transmission in Multiple-Access Relay Network. *Chun, Young Jin, +, TWC May 2013 2436-2444*
Physical Layer Network Coding for the K-User Multiple Access Relay Channel. *Muralidharan, Vijayvaradharaj T., +, TWC June 2013 3107-3119*
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Unified SER Performance Analysis and Improvement for Multiuser MIMO Downlink with Correlation Rotation Linear Precoding. *Liu, Zu-Jun, +, TWC April 2013 1678-1685*

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Two-Dimensional ESPRIT-Like Shift-Invariant TOA Estimation Algorithm Using Multi-Band Chirp Signals Robust to Carrier Frequency Offset. *Oh, Daegun,* +, *TWC July 2013 3130-3139*

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Dynamic eICIC — A Proactive Strategy for Improving Spectral Efficiencies of Heterogeneous LTE Cellular Networks by Leveraging User Mobility and Traffic Dynamics. *Vasudevan, Subramanian,* +, *TWC October 2013 4956-4969*
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Energy-Delay Tradeoff for Wireless Relay Systems Using HARQ with Incremental Redundancy. *Choi, Jinho,* +, *TWC February 2013 561-573*
Energy-Efficient Distributed Data Storage for Wireless Sensor Networks Based on Compressed Sensing and Network Coding. *Yang, Xianjun,* +, *TWC October 2013 5087-5099*

Enhancement of Lifetime using Duty Cycle and Network Coding in Wireless Sensor Networks. *Rout, Rashmi Ranjan,* +, *TWC February 2013 656-667*
Error Performance and Diversity Analysis of Multi-Source Multi-Relay Wireless Networks with Binary Network Coding and Cooperative MRC. *Di Renzo, Marco,* +, *TWC June 2013 2883-2903*
Error Rate Analysis of GF(q) Network Coded Detect-and-Forward Wireless Relay Networks Using Equivalent Relay Channel Models. *Safak, Ilgin,* +, *TWC August 2013 3908-3919*
High-Throughput Cooperative Communication with Interference Cancellation for Two-Path Relay in Multi-Source System. *Lu, Hao,* +, *TWC October 2013 4840-4851*
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Irregular Convolution and Unity-Rate Coded Network-Coding for Cooperative Multi-User Communications. *Nguyen, Hung Viet,* +, *TWC March 2013 1231-1243*
Joint Network-Channel Coding with Rateless Code in Two-Way Relay Systems. *Zhang, Yu,* +, *TWC July 2013 3158-3169*
Joint Network-Channel Coding with Rateless Code over Multiple Access Relay System. *Zhang, Yu,* +, *TWC January 2013 320-332*
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Optimal Binary/Quaternary Adaptive Signature Design for Code-Division Multiplexing. *Wei, Lili,* +, *TWC February 2013 840-849*
Optimization of Network Coded MIMO Transmission in Multiple-Access Relay Network. *Chun, Young Jin,* +, *TWC May 2013 2436-2444*
Performance Analysis of Adaptive Physical Layer Network Coding for Wireless Two-Way Relaying. *Muralidharan, Vijayvaradharaj T.,* +, *TWC March 2013 1328-1339*
Physical Layer Network Coding for the K-User Multiple Access Relay Channel. *Muralidharan, Vijayvaradharaj T.,* +, *TWC June 2013 3107-3119*
Physical Layer Network Coding for Two-Way Relaying with QAM. *Namboodiri, Vishnu,* +, *TWC October 2013 5074-5086*
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Symbol and Bit Mapping Optimization for Physical-Layer Network Coding with Pulse Amplitude Modulation. *Chang, Ronald Y.,* +, *TWC August 2013 3956-3967*
Synchronous Physical-Layer Network Coding: A Feasibility Study. *Huang, Yang,* +, *TWC August 2013 4048-4057*
Unsaturated Throughput Analysis of Physical-Layer Network Coding Based on IEEE 802.11 Distributed Coordination Function. *Lin, Shijun,* +, *TWC November 2013 5544-5556*
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Performance Analysis of Linear Cooperative Multi-Hop Networks Subject to Composite Shadowing-Fading. *Bacha, Mudasar,* +, *TWC November 2013 5850-5858*
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Dynamic eICIC — A Proactive Strategy for Improving Spectral Efficiencies of Heterogeneous LTE Cellular Networks by Leveraging User Mobility and Traffic Dynamics. *Vasudevan, Subramanian, +, TWC October 2013 4956-4969*
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Achieving Pareto Optimal Power Tracking Control for Interference Limited Wireless Systems via Multi-Objective H_2/H_infty Optimization. *Lin, Che, +, TWC December 2013 6154-6165*
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Throughput Maximization for Multi-Hop Wireless Networks with Network-Wide Energy Constraint. *Jiang, Canming, +, TWC March 2013 1255-1267*

Traffic-Aware Base Station Sleeping Control and Power Matching for Energy-Delay Tradeoffs in Green Cellular Networks. *Wu, Jian, +, TWC August 2013 4196-4209*

Parity check codes

Achieving Near Capacity of Non-Binary LDPC Coded Large MIMO Systems with a Novel Ultra Low-Complexity Soft-Output Detector. *Suthisopapan, Puripong, +, TWC October 2013 5185-5199*

Bilayer Protograph Codes for Half-Duplex Relay Channels. *Van Nguyen, Thuy, +, TWC May 2013 1969-1977*

Dirty Paper Coding for Gaussian Cognitive Z-Interference Channel: Performance Results. *Al-qudah, Zouhair, +, TWC December 2013 6086-6095*

Multi-Layer Iterative LDPC Decoding for Broadband Wireless Access Networks: A Recursive Shortening Algorithm. *Rong, Bo, +, TWC March 2013 1320-1327*

On Non-Binary Constellations for Channel-Coded Physical-Layer Network Coding. *Faraji-Dana, Zahra, +, TWC January 2013 312-319*

On-Line Construction of Irregular Repeat Accumulate Codes for Packet Erasure Channels. *Liva, Gianluigi, +, TWC February 2013 680-689*

Unequal Diversity LDPC Codes for Relay Channels. *Pulini, Paola, +, TWC November 2013 5646-5655*

Particle filtering (numerical methods)

Time-of-Flight-Based Radio Tomography for Device Free Localization. *Wang, Jie, +, TWC May 2013 2355-2365*

Partitioning algorithms

Two-Stage List Sphere Decoding for Under-Determined Multiple-Input Multiple-Output Systems. *Qian, Chen, +, TWC December 2013 6476-6487*

Path planning

Co-Optimization of Communication and Motion Planning of a Robotic Operation under Resource Constraints and in Fading Environments. *Yan, Yuan, +, TWC April 2013 1562-1572*

Optimality Analysis of Sensor-Source Geometries in Heterogeneous Sensor Networks. *Meng, Wei, +, TWC April 2013 1958-1967*

Pattern classification

Scheduling Exploiting Frequency and Multi-User Diversity in LTE Downlink Systems. *Niu, Jinping, +, TWC April 2013 1843-1849*

Pattern clustering

The COST 2100 Channel Model: Parameterization and Validation Based on Outdoor MIMO Measurements at 300 MHz. *Zhu, Meifang, +, TWC February 2013 888-897*

Payloads

Power-Efficient System Design for Cellular-Based Machine-to-Machine Communications. *Dhillon, Harpreet S., +, TWC November 2013 5740-5753*

Peer-to-peer computing

Discovery Signal Design and its Application to Peer-to-Peer Communications in OFDMA Cellular Networks. *Zou, Jun, +, TWC August 2013 3995-4009*

The COST 2100 Channel Model: Parameterization and Validation Based on Outdoor MIMO Measurements at 300 MHz. *Zhu, Meifang, +, TWC February 2013 888-897*

Performance analysis

Performance Analysis of Underlay Cognitive Multihop Regenerative Relaying Systems with Multiple Primary Receivers. *Hyadi, Amal, +, TWC December 2013 6418-6429*

Performance evaluation

Throughput Optimization of Heterogeneous IEEE 802.11 DCF Networks. *Gao, Yayu, +, TWC January 2013 398-411*

Personal area networks

On the Efficient Beam-Forming Training for 60GHz Wireless Personal Area Networks. *Li, Bin, +, TWC February 2013 504-515*

Phase coding

A Novel Power Allocation Scheme for Two-User GMAC with Finite Input Constellations. *Harshan, J., +, TWC February 2013 818-827*

Phase locked loops

Synchronous Physical-Layer Network Coding: A Feasibility Study. *Huang, Yang, +, TWC August 2013 4048-4057*

Phase noise

Mutual Information Analysis of OFDM Radio Link Under Phase Noise, IQ Imbalance and Frequency-Selective Fading Channel. *Gokceoglu, Ahmet, +, TWC June 2013 3048-3059*

Phase shift keying

A Peak Power Efficient Cooperative Diversity using Star-QAM with Coherent/Noncoherent Detection. *Ishibashi, Koji, +, TWC May 2013 2137-2147*

Achieving Full Diversity in Multi-Antenna Two-Way Relay Networks via Symbol-Based Physical-Layer Network Coding. *Cao, Ruohan, +, TWC July 2013 3445-3457*

Exact Non-Gaussian Interference Model for Fading Channels. *Chen, Yi, +, TWC January 2013 168-179*

Impact of Wireless Channel Uncertainty upon Distributed Detection Systems. *Ahmadi, Hamid R., +, TWC June 2013 2566-2577*

Irregular Convolution and Unity-Rate Coded Network-Coding for Cooperative Multi-User Communications. *Nguyen, Hung Viet, +, TWC March 2013 1231-1243*

Joint Switched Multi-Spectrum and Transmit Antenna Diversity for Spectrum Sharing Systems. *Sayed, Mostafa, +, TWC October 2013 4827-4839*

On Non-Binary Constellations for Channel-Coded Physical-Layer Network Coding. *Faraji-Dana, Zahra, +, TWC January 2013 312-319*

Packet Error Outage for Coded Systems Experiencing Fast Fading and Shadowing. *Mary, Philippe, +, TWC February 2013 574-585*

Performance Analysis of Macrodiversity MIMO Systems with MMSE and ZF Receivers in Flat Rayleigh Fading. *Basnayaka, Dushyantha A., +, TWC May 2013 2240-2251*

Physical Layer Network Coding for Two-Way Relaying with QAM. *Namboodiri, Vishnu, +, TWC October 2013 5074-5086*

Spectrum Sensing for Digital Primary Signals in Cognitive Radio: A Bayesian Approach for Maximizing Spectrum Utilization. *Zheng, Shoukang, +, TWC April 2013 1774-1782*

Unitary Differential Space-Time-Frequency Codes for MB-OFDM UWB Wireless Communications. *Tran, L. C., +, TWC February 2013 862-876*

Phase shifters

Simultaneous Transmission and Reception: Algorithm, Design and System Level Performance. *Choi, Yang-Seok, +, TWC December 2013 5992-6010*

Picocellular radio

Adaptive Channel Feedback for Coordinated Beamforming in Heterogeneous Networks. *Yuan, Fang, +, TWC August 2013 3980-3994*

Dynamic eICIC — A Proactive Strategy for Improving Spectral Efficiencies of Heterogeneous LTE Cellular Networks by Leveraging User Mobility and Traffic Dynamics. *Vasudevan, Subramanian, +, TWC October 2013 4956-4969*

On Number of Almost Blank Subframes in Heterogeneous Cellular Networks. *Cierny, Michal, +, TWC October 2013 5061-5073*

Resource Allocation, Transmission Coordination and User Association in Heterogeneous Networks: A Flow-Based Unified Approach. *Ghimire, Jagadish, +, TWC March 2013 1340-1351*

User Association for Load Balancing in Heterogeneous Cellular Networks. *Ye, Qiaoyang, +, TWC June 2013 2706-2716*

Piecewise linear techniques

Energy and Content Aware Multi-Homing Video Transmission in Heterogeneous Networks. *Ismail, Muhammad, +, TWC July 2013 3600-3610*

Poisson distribution

Downlink MIMO HetNets: Modeling, Ordering Results and Performance Analysis. *Dhillon, Harpreet S., +, TWC October 2013 5208-5222*

Energy Efficiency Evaluation of Cellular Networks Based on Spatial Distributions of Traffic Load and Power Consumption. *Xiang, Lin, +, TWC March 2013 961-973*

Polynomial approximation

Frequency Domain Packet Scheduling with MIMO for 3GPP LTE Downlink. *Xu, Yinsheng, +, TWC April 2013 1752-1761*

The Cost of Mitigating Power Law Delay in Random Access Networks. *Bi, Suzhi, +, TWC September 2013 4612-4626*

Polynomial matrices

Gaussian Approximation Based Interpolation for Channel Matrix Inversion in MIMO-OFDM Systems. *Zhang, Jian A., +, TWC March 2013 1407-1417*

Polynomials

Cross-Layer Schemes for Reducing Delay in Multihop Wireless Networks. *Cheng, Maggie, +, TWC February 2013 928-937*

Diversity Polynomials for the Analysis of Temporal Correlations in Wireless Networks. *Haenggi, Martin, +, TWC November 2013 5940-5951*

Sum of Non-Concave Utilities Maximization for MIMO Interference Systems. *Kong, Fook Wai, +, TWC April 2013 1744-1751*

Power amplifiers

A Peak Power Efficient Cooperative Diversity using Star-QAM with Coherent/Noncoherent Detection. *Ishibashi, Koji, +, TWC May 2013 2137-2147*

Energy Efficiency of Power-Adaptive Spatial Diversity Methods. *Apilo, Olli, +, TWC September 2013 4246-4257*

Performance Analysis of OFDM Systems with Selected Mapping in the Presence of Nonlinearity. *Bae, Kitaek, +, TWC May 2013 2314-2322*

Power consumption

Coordinated Multicast Beamforming in Multicell Networks. *Xiang, Zhengzheng, +, TWC January 2013 12-21*

Power control

A Convergent Version of the Max SINR Algorithm for the MIMO Interference Channel. *Wilson, Craig, +, TWC June 2013 2952-2961*

A Framework for Distributed Resource Allocation and Admission Control in a Cognitive Digital Home. *Li, Tianming, +, TWC March 2013 984-995*

Achieving Pareto Optimal Power Tracking Control for Interference Limited Wireless Systems via Multi-Objective H_2/H_infty Optimization. *Lin, Che, +, TWC December 2013 6154-6165*

An Efficient Relay Node Placement Scheme for Two-Way MIMO Multi-Hop Networks in Practical Indoor Environments. *Lertwiram, Namzilp, +, TWC June 2013 2977-2987*

An Opportunistic Access Scheme Through Distributed Interference Control for MIMO Cognitive Nodes. *Biagi, Mauro, +, TWC December 2013 6500-6513*

Cross-Layer Design for Congestion, Contention, and Power Control in CRAHNs under Packet Collision Constraints. *Nguyen, Mui Van, +, TWC November 2013 5557-5571*

Distributed Control of Multiple Cognitive Radio Overlay for Primary Queue Stability. *Lapiccirella, Fabio E., +, TWC January 2013 112-122*

Distributed Multiple Target-SINRs Tracking Power Control in Wireless Multirate Data Networks. *Monemi, Mehdi, +, TWC April 2013 1850-1859*

Energy-Aware Competitive Power Control in Relay-Assisted Interference Wireless Networks. *Zappone, Alessio, +, TWC April 2013 1860-1871*

Joint Back-Pressure Power Control and Interference Cancellation in Wireless Multi-Hop Networks. *Gopalakrishnan, Balasubramanian, +, TWC July 2013 3484-3495*

Joint Base Station Association and Power Control via Benders' Decomposition. *Qian, Li Ping, +, TWC April 2013 1651-1665*

Joint Beamforming and Power Control in Coordinated Multicell: Max-Min Duality, Effective Network and Large System Transition. *Huang, Yichao, +, TWC June 2013 2730-2742*

Minimum-Energy Power and Rate Control for Fair Scheduling in the Cellular Downlink under Flow Level Delay Constraint. *Hossain, M. M. A., +, TWC July 2013 3253-3263*

Optimal Fractional Frequency Reuse and Power Control in the Heterogeneous Wireless Networks. *Li, Qian Clara, +, TWC June 2013 2658-2668*

Optimal Randomization of Signal Constellations on the Downlink of a Multiuser DS-CDMA System. *Tutay, Mehmet Emin, +, TWC October 2013 4878-4891*

Paradoxes in Semi-Dynamic Evolutionary Power Control Game: When Intuition Fools You!. *Haddad, Majed, +, TWC November 2013 5728-5739*

Power Allocation and Performance Analysis in Spectrum Sharing Systems with Statistical CSI. *Gong, Xitao, +, TWC April 2013 1819-1831*

Power Control for Two User Cooperative OFDMA Channels. *Bakim, Sezi, +, TWC January 2013 258-267*

Power-Controlled Cognitive Radio Spectrum Allocation with Chemical Reaction Optimization. *Lam, Albert Y.S., +, TWC July 2013 3180-3190*

Robust Power Control under Channel Uncertainty for Cognitive Radios with Sensing Delays. *Xiao, Hua, +, TWC February 2013 646-655*

Throughput Capacity of MANETs with Power Control and Packet Redundancy. *Liu, Jiajia, +, TWC June 2013 3035-3047*

Transmission Control for Compressive Sensing Video over Wireless Channel. *Xiang, Siyuan, +, TWC March 2013 1429-1437*

Power demand

Topology Control with vMIMO Communication in Wireless Sensor Networks. *Xu, Hongli, +, TWC December 2013 6328-6339*

Power distribution

Power Allocation for an Energy Harvesting Transmitter with Hybrid Energy Sources. *Ahmed, Imtiaz, +, TWC December 2013 6255-6267*

Power Allocation for an Energy Harvesting Transmitter with Hybrid Energy Sources. *Ahmed, Imtiaz, +, TWC December 2013 6255-6267*

Power outages

SEP-Optimal Transmit Power Policy for Peak Power and Interference Outage Probability Constrained Underlay Cognitive Radios. *Kashyap, Salil, +, TWC December 2013 6371-6381*

Precoding

A Subspace-Based CFO Estimation Algorithm for General ICI Self-Cancellation Precoded OFDM Systems. *Wang, Yung-Yi, +, TWC August 2013 4110-4117*

Adaptive Pilot-Symbol Patterns for MIMO OFDM Systems. *Simko, Michal, +, TWC September 2013 4705-4715*

Enhanced Limited Feedback Schemes for DL MU-MIMO ZF Precoding. *Wang, Wei, +, TWC April 2013 1554-1561*

Iterative D.C. Optimization of Precoding in Wireless MIMO Relaying. *Phan, A. H., +, TWC April 2013 1617-1627*

Joint Network-Channel Coding with Rateless Code over Multiple Access Relay System. *Zhang, Yu, +, TWC January 2013 320-332*

Joint Precoder Design for Distributed Transmission of Correlated Sources in Sensor Networks. *Fang, Jun, +, TWC June 2013 2918-2929*

Large System Analysis of Cooperative Multi-Cell Downlink Transmission via Regularized Channel Inversion with Imperfect CSIT. *Zhang, Jun, +, TWC October 2013 4801-4813*

Limited Feedback-Based Multi-Antenna Relay Broadcast Channels with Block Diagonalization. *Liang, Le, +, TWC August 2013 4092-4101*

On the Joint Optimization of Dispersion Matrices and Constellations for Near-Capacity Irregular Precoded Space-Time Shift Keying. *Sugiura, Shinya, +, TWC January 2013 380-387*

Optimal Cooperative Jamming for Multiuser Broadcast Channel with Multiple Eavesdroppers. *Yang, Jun, +, TWC June 2013 2840-2852*

Optimal Two-Dimensional Lattices for Precoding of Linear Channels. *Kapetanovic, Dzevdan, +, TWC May 2013 2104-2113*

Partial Equivalent Channel Inversion Based Precoding with Mode Adaptation in Multiuser MIMO Systems. *Godana, Bruhtesfa E., +, TWC July 2013 3533-3543*

Performance Analysis of ZF-Precoded Scheduling System for MU-MIMO with Generalized Selection Criterion. *Lee, Donghun, +, TWC April 2013 1812-1818*

Piggyback Retransmissions over Wireless MIMO Channels: Shared Hybrid-ARQ (SHARQ) for Bandwidth Efficiency. *Liang, Xiao, +, TWC August 2013 3770-3782*

Precoding Design for MIMO Relay Multicasting. *Khandaker, Muhammad R. A., +, TWC July 2013 3544-3555*

Precoding Methods for the MISO Broadcast Channel with Delayed CSIT. *Yi, Xinping, +, TWC May 2013 1-11*

Prescient Precoding in Heterogeneous DSA Networks with Both Underlay and Interweave MIMO Cognitive Radios. *Mukherjee, Amitav, +, TWC May 2013 2252-2260*

Quantized CSI-Based Tomlinson-Harashima Precoding in Multiuser MIMO Systems. *Sun, Liang, +, TWC March 2013 1118-1126*

Relay Subset Selection in Cooperative Systems with Beamforming and Limited Feedback. *Zhang, Yuxian, +, TWC October 2013 5271-5281*

Robust ARQ Precoder Optimization for AF MIMO Relay Systems with Channel Estimation Errors. *Zhang, Zhengyu, +, TWC October 2013 5236-5247*

Signal Alignment: Enabling Physical Layer Network Coding for MIMO Networking. *Zhou, Ruiting, +, TWC June 2013 3012-3023*

Structured and Sparse Limited Feedback Codebooks for Multiuser MIMO. *Egan, Malcolm, +, TWC August 2013 3710-3721*

Transceiver Design for SC-FDE Based MIMO Relay Systems. *Wu, Peiran, +, TWC September 2013 4376-4391*

Two-Phase Scheduling and Leakage-Based Precoding in Wireless Cellular Networks. *Bendlin, Ralf, +, TWC July 2013 3148-3157*

Unified Performance Analysis of Orthogonal Transmit Beamforming Methods with User Selection. *Ozyurt, Serdar, +, TWC March 2013 1026-1037*

Unified SER Performance Analysis and Improvement for Multiuser MIMO Downlink with Correlation Rotation Linear Precoding. *Liu, Zu-Jun, +, TWC April 2013 1678-1685*

Prediction theory

Co-Optimization of Communication and Motion Planning of a Robotic Operation under Resource Constraints and in Fading Environments. *Yan, Yuan, +, TWC April 2013 1562-1572*

Pricing

True-MCSA: A Framework for Truthful Double Multi-Channel Spectrum Auctions. *Chen, Zhili, +, TWC August 2013 3838-3850*

Private key cryptography

Maximizing the Secret Key Rate for Informed Radios under Different Channel Conditions. *Quist, Britton T., +, TWC October 2013 5146-5153*

Probabilistic logic

Probabilistic QoS Constrained Robust Downlink Multiuser MIMO Transceiver Design with Arbitrarily Distributed Channel Uncertainty. *He, Xin, +, TWC December 2013 6292-6302*

Probability
A Feedback- Soft Sensing-Based Access Scheme for Cognitive Radio Networks. *Arafa, Ahmed M., +, TWC July 2013 3226-3237*
A Framework for Uplink Intercell Interference Modeling with Channel-Based Scheduling. *Tabassum, Hina, +, TWC January 2013 206-217*
A Game-Theoretic Approach to Stimulate Cooperation for Probabilistic Routing in Opportunistic Networks. *Wu, Fan, +, TWC April 2013 1573-1583*
A Highly Scalable Key Pre-Distribution Scheme for Wireless Sensor Networks. *Bechkit, Walid, +, TWC February 2013 948-959*
Analytic Bounds on Data Loss Rates in Mostly-Covered Mobile DTNs. *Brugger, Max, +, TWC July 2013 3121-3129*
Analytic Conditions for Energy Neutrality in Uniformly-Formed Wireless Sensor Networks. *Besbes, Hana, +, TWC October 2013 4916-4931*
Analytical Modeling of Uplink Cellular Networks. *Novlan, Thomas D., +, TWC June 2013 2669-2679*
Application of Cooperative Diversity to Cognitive Radio Leasing: Model and Analytical Characterization of Resource Gains. *Gomez-Cuba, F., +, TWC January 2013 40-49*
Auction-Based Power Allocation for Multiuser Two-Way Relaying Networks. *Zou, Junni, +, TWC January 2013 31-39*
Collaborative Sensing Management for Cognitive Radio Networks with Reporting Overhead. *Jeon, Wha Sook, +, TWC February 2013 595-605*
Collision-Tolerant Media Access Control with On-Off Accumulative Transmission. *Wu, Jingxian, +, TWC January 2013 50-59*
Critical Density for Connectivity in 2D and 3D Wireless Multi-Hop Networks. *Ng, Seh Chun, +, TWC April 2013 1512-1523*
Delay-Constrained Random Access Transport Capacity. *Byun, Ilmu, +, TWC April 2013 1628-1639*
Distributed Exploitation of Spectrum and Channel State Information for Channel Reservation and Selection in Interweave Cognitive Radio Networks. *Wang, Shu-Hsien, +, TWC July 2013 3458-3472*
Dynamic Control of Coding for Progressive Packet Arrivals in DTNs. *Altman, Eitan, +, TWC February 2013 725-735*
Energy-Efficient Intrusion Detection with a Barrier of Probabilistic Sensors: Global and Local. *Chen, Jiming, +, TWC September 2013 4742-4755*
Exact Joint Distribution Analysis of Zero-Forcing V-BLAST Gains with Greedy Ordering. *Ozyurt, Serdar, +, TWC November 2013 5377-5385*
GLRT Approach for Robust Burst Packet Acquisition in Wireless Communications. *Xiao, Zhenyu, +, TWC March 2013 1127-1137*
Lifetime Analysis of a Two-Hop Amplify-and-Forward Opportunistic Wireless Relay Network. *Mousavifar, Seyed A., +, TWC March 2013 1186-1195*
Load-Aware Modeling and Analysis of Heterogeneous Cellular Networks. *Dhillon, Harpreet S., +, TWC April 2013 1666-1677*
Multi-Packet Communication in Heterogeneous Wireless Networks Adopting Spatial Reuse:Capture Analysis. *Babich, F., +, TWC October 2013 5346-5359*
Novel Robust Normality Measure for Sparse Data and its Application for Weak Signal Detection. *Lu, Lu, +, TWC May 2013 2400-2409*
On the Decision Threshold of Eigenvalue Ratio Detector Based on Moments of Joint and Marginal Distributions of Extreme Eigenvalues. *Shakir, Muhammad Zeeshan, +, TWC March 2013 974-983*
On the Efficient Beam-Forming Training for 60GHz Wireless Personal Area Networks. *Li, Bin, +, TWC February 2013 504-515*
On the Performance of Hybrid-ARQ with Incremental Redundancy and with Code Combining over Relay Channels. *Chelli, Ali, +, TWC August 2013 3860-3871*
One-Bit CSI Feedback Selection Schemes for Energy-Efficient Multiuser and Multirelay Systems. *Le, Viet-Anh, +, TWC March 2013 1149-1161*
Optimal Save-Then-Transmit Protocol for Energy Harvesting Wireless Transmitters. *Luo, Shixin, +, TWC March 2013 1196-1207*
Optimization of Network Coded MIMO Transmission in Multiple-Access Relay Network. *Chun, Young Jin, +, TWC May 2013 2436-2444*
Optimum Power Randomization for the Minimization of Outage Probability. *Dulek, Berkan, +, TWC September 2013 4627-4637*
Outage Probability of Single-Carrier Cooperative Spectrum Sharing Systems with Decode-and-Forward Relaying and Selection Combining. *Kim, Kyeong Jin, +, TWC February 2013 806-817*
Performance Analysis and Design of Maximum Ratio Combining in Channel-Aware MIMO Decision Fusion. *Ciuonzo, Domenico, +, TWC September 2013 4716-4728*
Performance Analysis of Cooperative Multi-Hop Networks with Hop Selection in Nakagami-m Fading Channels. *Lee, Bumsoo, +, TWC August 2013 3851-3859*
Performance Analysis of Opportunistic Relaying Scheme with Outdated Channel Information. *Kim, Seokjung, +, TWC February 2013 538-549*
Performance of TAS/MRC Wireless Systems Under Hoyt Fading Channels. *Pena-Martin, Juan P., +, TWC July 2013 3350-3359*
QoS Guarantees in AF Relay Networks with Multiple Source-Destination Pairs in the Presence of Imperfect CSI. *Liu, Yupeng, +, TWC September 2013 4225-4235*
QoS-Aware and Energy-Efficient Resource Management in OFDMA Femtocells. *Le, Long Bao, +, TWC January 2013 180-194*
Robust Power Control under Channel Uncertainty for Cognitive Radios with Sensing Delays. *Xiao, Hua, +, TWC February 2013 646-655*
Self-Organization in Small Cell Networks: A Reinforcement Learning Approach. *Bennis, Mehdi, +, TWC July 2013 3202-3212*
Single Relay Selection Schemes for Broadcast Networks. *Hakim, Hela, +, TWC June 2013 2646-2657*
Spectrum Sensing for Digital Primary Signals in Cognitive Radio: A Bayesian Approach for Maximizing Spectrum Utilization. *Zheng, Shoukang, +, TWC April 2013 1774-1782*
Spectrum Sharing Scheme Between Cellular Users and Ad-hoc Device-to-Device Users. *Kaufman, Brett, +, TWC March 2013 1038-1049*
Spectrum Sharing Single-Carrier in the Presence of Multiple Licensed Receivers. *Kim, Kyeong Jin, +, TWC October 2013 5223-5235*
Splitting Tree Algorithm for Decentralized Detection in Sensor Networks. *Xu, Dianhui, +, TWC December 2013 6024-6033*
Stochastic Performance Analysis of a Wireless Finite-State Markov Channel. *Zheng, Kan, +, TWC February 2013 782-793*
The Throughput of Underwater Networks: Analysis and Validation using a Ray Tracing Simulator. *Stamatiou, Kostas, +, TWC March 2013 1108-1117*
Throughput Optimization of Heterogeneous IEEE 802.11 DCF Networks. *Gao, Yayu, +, TWC January 2013 398-411*
Toward a Coherent Theory of CSMA and Aloha. *Dai, Lin, +, TWC July 2013 3428-3444*
Zadoff-Chu Sequence Based Signature Identification for OFDM. *Lee, Kilbom, +, TWC October 2013 4932-4942*

Probability density function
Exact Joint Distribution Analysis of Zero-Forcing V-BLAST Gains with Greedy Ordering. *Ozyurt, Serdar, +, TWC November 2013 5377-5385*
Relay Selection Schemes for Dual-Hop Networks under Security Constraints with Multiple Eavesdroppers. *Bao, Vo Nguyen Quoc, +, TWC December 2013 6076-6085*

Product codes
Diversity Analysis of Analog Network Coding with Multi-User Interferences. *Guan, Wei, +, TWC February 2013 668-679*

Production
Design and Analysis of Wireless Communication Systems Using Diffusion-Based Molecular Communication Among Bacteria. *Einolghozati, Arash, +, TWC December 2013 6096-6105*

Profitability
Enabling the Femtocells: A Cooperation Framework for Mobile and Fixed-Line Operators. *Lin, Peng, +, TWC January 2013 158-167*
True-MCSA: A Framework for Truthful Double Multi-Channel Spectrum Auctions. *Chen, Zhili, +, TWC August 2013 3838-3850*

Propagation losses
Analytical Modeling and Performance Evaluation of Cell Selection Algorithms for Mobile Networks with Backhaul Capacity Constraints. *Olmos, Juan J., +, TWC December 2013 6011-6023*

Protocols
A Dynamic Paradigm for Spectrally Efficient Half-Duplex Multi-Antenna Relaying. *Kim, Young-bin, +, TWC September 2013 4680-4691*
Adaptive Capacity-Achieving Channel Coding for Fountain-Coded Multicast Transmission in Packet Radio Systems. *Ellis, Jason D., +, TWC December 2013 6514-6526*
Adaptive Spectrum Leasing with Secondary User Scheduling in Cognitive Radio Networks. *Zhai, Chao, +, TWC July 2013 3388-3398*
An Auction-Based Mechanism for Cooperative Sensing in Cognitive Networks. *Shi, Qiong, +, TWC August 2013 3649-3661*
Assigned Tree Slotted Aloha RFID Tag Anti-Collision Protocols. *Zhang, Lijuan, +, TWC November 2013 5493-5505*
Capacity and Delay Analysis for Data Gathering with Compressive Sensing in Wireless Sensor Networks. *Zheng, Haifeng, +, TWC February 2013 917-927*
Comments on 'An Opportunistic-Based Protocol for Bidirectional Cooperative Networks'. *Zhong, Xinyi, +, TWC January 2013 412-413*

Decentralized User-Centric Scheduling with Low Rate Feedback for Mobile Small Cells. *Ni, Wei, +, TWC December 2013 6106-6120*
Decoding and Performance Bound of Demodulate-and-Forward Based Distributed Alamouti STBC. *Bansal, Ankur, +, TWC February 2013 702-713*
DEEP: Density-Aware Emergency Message Extension Protocol for VANETs. *Chuang, Ming-Chin, +, TWC October 2013 4983-4993*
Distributed Clock Parameters Tracking in Wireless Sensor Network. *Luo, Bin, +, TWC December 2013 6464-6475*
Distributed Full-Duplex via Wireless Side-Channels: Bounds and Protocols. *Bai, Jingwen, +, TWC August 2013 4162-4173*
Diversity and Delay Analysis of Buffer-Aided BICM-OFDM Relaying. *Islam, Toufiqul, +, TWC November 2013 5506-5519*
EMBA: An Efficient Multihop Broadcast Protocol for Asynchronous Duty-Cycled Wireless Sensor Networks. *Jang, Ingook, +, TWC April 2013 1640-1650*
Energy-Efficient Intrusion Detection with a Barrier of Probabilistic Sensors: Global and Local. *Chen, Jiming, +, TWC September 2013 4742-4755*
Heterogeneous Relay Selection. *Abouelseoud, Mohamed, +, TWC April 2013 1735-1743*
Joint Opportunistic Scheduling and Selective Channel Feedback. *Karaca, Mehmet, +, TWC June 2013 3024-3034*
Multiuser Two Way Relaying Schemes in the Future Cellular Network. *Hwang, Duckdong, +, TWC October 2013 5200-5207*
On the Behavior of RObust Header Compression U-mode in Channels with Memory. *Hermenier, Romain, +, TWC August 2013 3722-3732*
On the Efficient Beam-Forming Training for 60GHz Wireless Personal Area Networks. *Li, Bin, +, TWC February 2013 504-515*
One-Bit CSI Feedback Selection Schemes for Energy-Efficient Multiuser and Multirelay Systems. *Le, Viet-Anh, +, TWC March 2013 1149-1161*
Opportunistic Channel-Aware Spectrum Access for Cognitive Radio Networks with Interleaved Transmission and Sensing. *Tan, Sheu-Sheu, +, TWC May 2013 2376-2388*
Optimal Save-Then-Transmit Protocol for Energy Harvesting Wireless Transmitters. *Luo, Shixin, +, TWC March 2013 1196-1207*
Optimal Scheduling and Power Allocation for Two-Hop Energy Harvesting Communication Systems. *Luo, Yaming, +, TWC September 2013 4729-4741*
Orthogonality and Cooperation in Collaborative Spectrum Sensing through MIMO Decision Fusion. *Salvo Rossi, Pierluigi, +, TWC November 2013 5826-5836*
Outage Probability of Single-Carrier Cooperative Spectrum Sharing Systems with Decode-and-Forward Relaying and Selection Combining. *Kim, Kyeong Jin, +, TWC February 2013 806-817*
Performance Analysis of Cooperative Multi-Hop Networks with Hop Selection in Nakagami-m Fading Channels. *Lee, Bumsoo, +, TWC August 2013 3851-3859*
Performance Analysis of Cyclic Prefixed Single-Carrier Cognitive Amplify-and-Forward Relay Systems. *Kim, Kyeong Jin, +, TWC January 2013 195-205*
Relaying Protocols for Wireless Energy Harvesting and Information Processing. *Nasir, Ali A., +, TWC July 2013 3622-3636*
Rendezvous Enhancement in Arbitrary-Duty-Cycled Wireless Sensor Networks. *Chao, Chih-Min, +, TWC August 2013 4080-4091*
Rendezvous Protocols Based on Message Passing in Cognitive Radio Networks. *Jia, Juncheng, +, TWC November 2013 5594-5606*
Resource Allocation for Device-to-Device Communications Overlaying Two-Way Cellular Networks. *Pei, Yiyang, +, TWC July 2013 3611-3621*
Splitting Tree Algorithm for Decentralized Detection in Sensor Networks. *Xu, Dianhui, +, TWC December 2013 6024-6033*
The Underwater Selective Repeat Error Control Protocol for Multiuser Acoustic Networks: Design and Parameter Optimization. *Azad, Saiful, +, TWC October 2013 4866-4877*
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Prototypes
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A Peak Power Efficient Cooperative Diversity using Star-QAM with Coherent/Noncoherent Detection. *Ishibashi, Koji, +, TWC May 2013 2137-2147*
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CP-OQAM-OFDM Based SC-FDMA: Adjustable User Bandwidth and Space-Time Coding. *Wang, Wenjin, +, TWC September 2013 4506-4517*
Exact Symbol Error Probability of Hybrid/Integrated Satellite-Terrestrial Cooperative Network. *Sreng, Sokchenda, +, TWC March 2013 1310-1319*
Joint I/Q Mismatch and Distortion Compensation in Direct Conversion Transmitters. *Zhu, Zhiwen, +, TWC June 2013 2941-2951*
Optimal Two-Dimensional Lattices for Precoding of Linear Channels. *Kapetanovic, Dzevdan, +, TWC May 2013 2104-2113*
Optimal-Switching Adaptive Modulation for Multiuser Relay Networks with Feedback Delays. *Thilina, Karaputugala G. Madushan, +, TWC August 2013 3682-3695*
Packet Error Outage for Coded Systems Experiencing Fast Fading and Shadowing. *Mary, Philippe, +, TWC February 2013 574-585*
Performance Analysis of Macrodiversity MIMO Systems with MMSE and ZF Receivers in Flat Rayleigh Fading. *Basnayaka, Dushyantha A., +, TWC May 2013 2240-2251*
Performance of QAM Signaling over TWDP Fading Channels. *Dixit, Dharmendra, +, TWC April 2013 1794-1799*
Physical Layer Network Coding for Two-Way Relaying with QAM. *Namboodiri, Vishnu, +, TWC October 2013 5074-5086*
Power Allocation and Time-Domain Artificial Noise Design for Wiretap OFDM with Discrete Inputs. *Qin, Haohao, +, TWC June 2013 2717-2729*
Reduced-Complexity Robust MIMO Decoders. *Thian, Boon Sim, +, TWC August 2013 3783-3795*
Synchronous Physical-Layer Network Coding: A Feasibility Study. *Huang, Yang, +, TWC August 2013 4048-4057*
Unitary Differential Space-Time-Frequency Codes for MB-OFDM UWB Wireless Communications. *Tran, L. C., +, TWC February 2013 862-876*

Quadrature phase shift keying
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Novel Robust Normality Measure for Sparse Data and its Application for Weak Signal Detection. *Lu, Lu, +, TWC May 2013 2400-2409*

Quality of experience
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Quality of service
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A Stackelberg Model for Opportunistic Sensing in Cognitive Radio Networks. *Habachi, Oussama, +, TWC May 2013 2148-2159*
Adaptive Coordinated Napping (CoNap) for Energy Saving in Wireless Networks. *Adachi, Koichi, +, TWC November 2013 5656-5667*

Asymptotically Optimal Cross-Layer Schemes for Relay Networks with Short-Term and Long-Term Constraints. *Marques, Antonio G., +, TWC January 2013 333-345*
Coordinated Multicast Beamforming in Multicell Networks. *Xiang, Zhengzheng, +, TWC January 2013 12-21*
Coordinated Multipoint Transmission with Limited Backhaul Data Transfer. *Zhao, Jian, +, TWC June 2013 2762-2775*
Cross-Layer QoS-Constrained Optimization of Adaptive Multi-Rate Wireless Systems using Infrastructure-Based Cooperative ARQ. *Ramis, Jaume, +, TWC May 2013 2424-2435*
Cross-Layer Schemes for Reducing Delay in Multihop Wireless Networks. *Cheng, Maggie, +, TWC February 2013 928-937*
Distributed Inter-BS Cooperation Aided Energy Efficient Load Balancing for Cellular Networks. *Hossain, Md. Farhad, +, TWC November 2013 5929-5939*
Energy-Efficient Transmission for Wireless Energy Harvesting Nodes. *Gregori, Maria, +, TWC March 2013 1244-1254*
Errata to the paper "A New Queueing Model for QoS Analysis of IEEE 802.11 DCF with Finite Buffer and Load" [Aug 10 2664-2675]. *Liu, Ren Ping, +, TWC October 2013 5374*
Hierarchical Competition for Downlink Power Allocation in OFDMA Femtocell Networks. *Guruacharya, Sudarshan, +, TWC April 2013 1543-1553*
Modelling and Analysis of an Integrated Scheduling Scheme with Heterogeneous LRD and SRD Traffic. *Jin, Xiaolong, +, TWC June 2013 2598-2607*
On the Throughput Capacity and Performance Analysis of Hybrid Wireless Networks over Fading Channels. *Wang, Xin, +, TWC June 2013 2930-2940*
Optimal Power and Range Adaptation for Green Broadcasting. *Luo, Shixin, +, TWC September 2013 4592-4603*
Optimal Scheduling for Quality of Monitoring in Wireless Rechargeable Sensor Networks. *Cheng, Peng, +, TWC June 2013 3072-3084*
Optimization of Soft Frequency Reuse for Irregular LTE Macrocellular Networks. *Gonzalez G, David, +, TWC May 2013 2410-2423*
Packet Error Outage for Coded Systems Experiencing Fast Fading and Shadowing. *Mary, Philippe, +, TWC February 2013 574-585*
Prescient Precoding in Heterogeneous DSA Networks with Both Underlay and Interweave MIMO Cognitive Radios. *Mukherjee, Amitav, +, TWC May 2013 2252-2260*
Probabilistic QoS Constrained Robust Downlink Multiuser MIMO Transceiver Design with Arbitrarily Distributed Channel Uncertainty. *He, Xin, +, TWC December 2013 6292-6302*
Profit Maximization in Femtocell Service with Contract Design. *Wang, Chih-Yu, +, TWC May 2013 1978-1988*
QoS Guarantees in AF Relay Networks with Multiple Source-Destination Pairs in the Presence of Imperfect CSI. *Liu, Yupeng, +, TWC September 2013 4225-4235*
QoS-Aware and Energy-Efficient Resource Management in OFDMA Femtocells. *Le, Long Bao, +, TWC January 2013 180-194*
QoS-Aware Transmission Policies for OFDM Bidirectional Decode-and-Forward Relaying. *Liu, Yuan, +, TWC May 2013 2206-2216*
Quantized Ergodic Radio Resource Allocation in OFDMA-Based Cognitive DF Relay-Assisted Networks. *Mokari, Nader, +, TWC October 2013 5110-5123*
Relay Selection and Resource Allocation for Multi-User Cooperative OFDMA Networks. *Alam, Md Shamsul, +, TWC May 2013 2193-2205*
Resource Allocation for QoS Support in Wireless Mesh Networks. *Kim, Tae-Suk, +, TWC May 2013 2046-2054*
Robust {MISO Transmit} Optimization under Outage-Based QoS Constraints in Two-Tier Heterogeneous Networks. *Wang, Kun-Yu, +, TWC April 2013 1883-1897*
Spectrum Sharing Scheme Between Cellular Users and Ad-hoc Device-to-Device Users. *Kaufman, Brett, +, TWC March 2013 1038-1049*
Stochastic Performance Analysis of a Wireless Finite-State Markov Channel. *Zheng, Kan, +, TWC February 2013 782-793*
Use of Shadowing Moments to Statistically Model Mobile Satellite Channels in Urban Environments. *Seyedi, Younes, +, TWC August 2013 3760-3769*
Utility Maximization Based on Cross-Layer Design for Multi-Service in Macro-Femto Heterogeneous Networks. *Zhang, Xiuning, +, TWC November 2013 5607-5619*

Quantization (signal)
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Blind Null-Space Learning for MIMO Underlay Cognitive Radio with Primary User Interference Adaptation. *Noam, Yair, +, TWC April 2013 1722-1734*
Enhanced Limited Feedback Schemes for DL MU-MIMO ZF Precoding. *Wang, Wei, +, TWC April 2013 1554-1561*
Limited Feedback-Based Multi-Antenna Relay Broadcast Channels with Block Diagonalization. *Liang, Le, +, TWC August 2013 4092-4101*
On Managing Interferences under Heterogeneous CSIT Feedback for Multi-User Transmission. *Ghaffar, Rizwan, +, TWC February 2013 828-839*
On the Effect of Outdated Channel Estimation in Variable Gain Relaying: Error Performance and PAPR. *Hadzi-Velkov, Zoran, +, TWC March 2013 1084-1097*
Quantized Ergodic Radio Resource Allocation in OFDMA-Based Cognitive DF Relay-Assisted Networks. *Mokari, Nader, +, TWC October 2013 5110-5123*
Rate Gain Region and Design Tradeoffs for Full-Duplex Wireless Communications. *Ahmed, Elsayed, +, TWC July 2013 3556-3565*
Spectrum Sharing with Limited Channel Feedback. *Wang, Zhe, +, TWC May 2013 2524-2532*
Subspace Quantization Based Combining for Limited Feedback Block-Diagonalization. *Schwarz, Stefan, +, TWC November 2013 5868-5879*

Queueing analysis
Errata to the paper "A New Queueing Model for QoS Analysis of IEEE 802.11 DCF with Finite Buffer and Load" [Aug 10 2664-2675]. *Liu, Ren Ping, +, TWC October 2013 5374*
Performance Analysis of Device-to-Device Communications with Dynamic Interference Using Stochastic Petri Nets. *Lei, Lei, +, TWC December 2013 6121-6141*

Queueing theory
A Feedback- Soft Sensing-Based Access Scheme for Cognitive Radio Networks. *Arafa, Ahmed M., +, TWC July 2013 3226-3237*
Cross-Layer QoS-Constrained Optimization of Adaptive Multi-Rate Wireless Systems using Infrastructure-Based Cooperative ARQ. *Ramis, Jaume, +, TWC May 2013 2424-2435*
Delay Analysis of OFDMA-Aloha. *Mutairi, Abdulmohsen, +, TWC January 2013 89-99*
Digital Network Coding Aided Two-Way Relaying: Energy Minimization and Queue Analysis. *Chen, Zhi, +, TWC April 2013 1947-1957*
Distributed Control of Multiple Cognitive Radio Overlay for Primary Queue Stability. *Lapiccirella, Fabio E., +, TWC January 2013 112-122*
Dynamic eICIC — A Proactive Strategy for Improving Spectral Efficiencies of Heterogeneous LTE Cellular Networks by Leveraging User Mobility and Traffic Dynamics. *Vasudevan, Subramanian, +, TWC October 2013 4956-4969*
Dynamic Multilevel Priority Packet Scheduling Scheme for Wireless Sensor Network. *Nasser, Nidal, +, TWC April 2013 1448-1459*
Modeling and Analysis of Cognitive Radio Based IEEE 802.22 Wireless Regional Area Networks. *Tadayon, Navid, +, TWC September 2013 4363-4375*
Modelling and Analysis of an Integrated Scheduling Scheme with Heterogeneous LRD and SRD Traffic. *Jin, Xiaolong, +, TWC June 2013 2598-2607*
Performance Analysis of Packet Aggregation for IEEE 802.11 PCF MAC-Based Wireless Networks. *Chou, Kuan-Hung, +, TWC April 2013 1441-1447*

R

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Radar receivers
Target Detection in Bistatic Radar Networks: Node Placement and Repeated Security Game. *Tang, Ling, +, TWC March 2013 1279-1289*

Radar transmitters
Target Detection in Bistatic Radar Networks: Node Placement and Repeated Security Game. *Tang, Ling, +, TWC March 2013 1279-1289*

Radio access networks
A Framework for Distributed Resource Allocation and Admission Control in a Cognitive Digital Home. *Li, Tianming, +, TWC March 2013 984-995*
Asymptotically Optimal Cross-Layer Schemes for Relay Networks with Short-Term and Long-Term Constraints. *Marques, Antonio G., +, TWC January 2013 333-345*

Backhaul-Aware Interference Management in the Uplink of Wireless Small Cell Networks. *Samarakoon, Sumudu,* +, *TWC November 2013 5813-5825*
Cooperative Decentralized Resource Allocation in Heterogeneous Wireless Access Medium. *Ismail, Muhammad,* +, *TWC February 2013 714-724*
Distributed Inter-BS Cooperation Aided Energy Efficient Load Balancing for Cellular Networks. *Hossain, Md. Farhad,* +, *TWC November 2013 5929-5939*
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Offloading in Heterogeneous Networks: Modeling, Analysis, and Design Insights. *Singh, Sarabjot,* +, *TWC May 2013 2484-2497*
Opportunistic Channel-Aware Spectrum Access for Cognitive Radio Networks with Interleaved Transmission and Sensing. *Tan, Sheu-Sheu,* +, *TWC May 2013 2376-2388*
Performance Improvement of Switched-Based Interference Mitigation for Channel Assignment in Over-Loaded Small-Cell Networks. *Gaaloul, Fakhreddine,* +, *TWC May 2013 2091-2103*
The Cost of Mitigating Power Law Delay in Random Access Networks. *Bi, Suzhi,* +, *TWC September 2013 4612-4626*
Wireless Access Network Selection Game with Negative Network Externality. *Yang, Yu-Han,* +, *TWC October 2013 5048-5060*

Radio equipment

Spectral-Energy Efficiency Tradeoff in Relay-Aided Cellular Networks. *Ku, Ivan,* +, *TWC October 2013 4970-4982*

Radio links

A Practical Cooperative Multicell MIMO-OFDMA Network Based on Rank Coordination. *Clerckx, Bruno,* +, *TWC April 2013 1481-1491*
Analytical Modeling of Uplink Cellular Networks. *Novlan, Thomas D.,* +, *TWC June 2013 2669-2679*
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Characteristics of the Hexapolarized MIMO Channel over Free-Space and Three Non-Free-Space Scenarios. *Piao, Dazhi,* +, *TWC August 2013 4174-4182*
Cognitive Hybrid Division Duplex for Two-Tier Femtocell Networks. *Soh, Yong Sheng,* +, *TWC October 2013 4852-4865*
Digital Network Coding Aided Two-Way Relaying: Energy Minimization and Queue Analysis. *Chen, Zhi,* +, *TWC April 2013 1947-1957*
Distributed Control of Multiple Cognitive Radio Overlay for Primary Queue Stability. *Lapiccirella, Fabio E.,* +, *TWC January 2013 112-122*
Distributed Full-Duplex via Wireless Side-Channels: Bounds and Protocols. *Bai, Jingwen,* +, *TWC August 2013 4162-4173*
Downlink Base Station Cooperative Transmission Under Limited-Capacity Backhaul. *Zhang, Qian,* +, *TWC August 2013 3746-3759*
Downlink Coordinated Multi-Point with Overhead Modeling in Heterogeneous Cellular Networks. *Xia, Ping,* +, *TWC August 2013 4025-4037*
Energy Efficiency in the Wideband Regime. *Miao, Guowang,* +, *TWC August 2013 4102-4109*
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Joint Beamforming and Power Control in Coordinated Multicell: Max-Min Duality, Effective Network and Large System Transition. *Huang, Yichao,* +, *TWC June 2013 2730-2742*
Joint OSC Receiver for Evolved GSM/EDGE Systems. *Molteni, Daniele,* +, *TWC June 2013 2608-2619*
Limited Feedback-Based Multi-Antenna Relay Broadcast Channels with Block Diagonalization. *Liang, Le,* +, *TWC August 2013 4092-4101*
Linear Network Coding Strategies for the Multiple Access Relay Channel with Packet Erasures. *Dai, Mingjun,* +, *TWC January 2013 218-227*
Mutual Information Analysis of OFDM Radio Link Under Phase Noise, IQ Imbalance and Frequency-Selective Fading Channel. *Gokceoglu, Ahmet,* +, *TWC June 2013 3048-3059*
On the Alternative Relaying Gaussian Diamond Channel with Conferencing Links. *Huang, Chuan,* +, *TWC February 2013 758-768*
Optimal Power and Range Adaptation for Green Broadcasting. *Luo, Shixin,* +, *TWC September 2013 4592-4603*
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Performance Analysis of Opportunistic Relaying Scheme with Outdated Channel Information. *Kim, Seokjung,* +, *TWC February 2013 538-549*
Performance Bounds and Latency-Optimal Scheduling for Convergecast in WirelessHART Networks. *Zhang, Haibo,* +, *TWC June 2013 2688-2696*
Physical Layer Security in Cellular Networks: A Stochastic Geometry Approach. *Wang, He,* +, *TWC June 2013 2776-2787*
Power Allocation and Performance Analysis in Spectrum Sharing Systems with Statistical CSI. *Gong, Xitao,* +, *TWC April 2013 1819-1831*
Precoding Methods for the MISO Broadcast Channel with Delayed CSIT. *Yi, Xinping,* +, *TWC May 2013 1-11*
Resource Allocation for OFDMA Cognitive Radios Under Channel Uncertainty. *Kim, Seung-Jun,* +, *TWC July 2013 3578-3587*
Resource Allocation for QoS Support in Wireless Mesh Networks. *Kim, Tae-Suk,* +, *TWC May 2013 2046-2054*
Scheduling Exploiting Frequency and Multi-User Diversity in LTE Downlink Systems. *Niu, Jinping,* +, *TWC April 2013 1843-1849*
Spectral-Energy Efficiency Tradeoff in Relay-Aided Cellular Networks. *Ku, Ivan,* +, *TWC October 2013 4970-4982*
Towards a Simple Relationship to Estimate the Capacity of Static and Mobile Wireless Networks. *Mao, Guoqiang,* +, *TWC August 2013 3883-3895*
Unified SER Performance Analysis and Improvement for Multiuser MIMO Downlink with Correlation Rotation Linear Precoding. *Liu, Zu-Jun,* +, *TWC April 2013 1678-1685*
Wireless Information Transfer with Opportunistic Energy Harvesting. *Liu, Liang,* +, *TWC January 2013 288-300*
Zero-Forcing Beamforming in Multiuser MISO Downlink Systems Under Per-Antenna Power Constraint and Equal-Rate Metric. *Lee, Sang-Rim,* +, *TWC January 2013 228-236*

Radio networks

A Byzantine Attack Defender in Cognitive Radio Networks: The Conditional Frequency Check. *He, Xiaofan,* +, *TWC May 2013 2512-2523*
A Learning Theoretic Approach to Energy Harvesting Communication System Optimization. *Blasco, Pol,* +, *TWC April 2013 1872-1882*
A Novel Interference Alignment Scheme Based on Sequential Antenna Switching in Wireless Networks. *Zhao, Nan,* +, *TWC October 2013 5008-5021*
Adaptive Coordinated Napping (CoNap) for Energy Saving in Wireless Networks. *Adachi, Koichi,* +, *TWC November 2013 5656-5667*
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Aloha Games with Spatial Reuse. *Lyu, Jiangbin,* +, *TWC August 2013 3932-3941*
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Capacity of Wireless Networks with Social Behavior. *Azimdoost, Bita,* +, *TWC January 2013 60-69*
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Coping with a Smart Jammer in Wireless Networks: A Stackelberg Game Approach. *Yang, Dejun,* +, *TWC August 2013 4038-4047*
Cross-Layer Schemes for Reducing Delay in Multihop Wireless Networks. *Cheng, Maggie,* +, *TWC February 2013 928-937*
Distributed Multiple Target-SINRs Tracking Power Control in Wireless Multirate Data Networks. *Monemi, Mehdi,* +, *TWC April 2013 1850-1859*
Diversity Analysis of Non-Coherent Wireless Network Coding. *Guan, Wei,* +, *TWC April 2013 1800-1811*
End-to-End Secure Multi-Hop Communication with Untrusted Relays. *He, Xiang,* +, *TWC January 2013 1-11*
Energy and Content Aware Multi-Homing Video Transmission in Heterogeneous Networks. *Ismail, Muhammad,* +, *TWC July 2013 3600-3610*
Energy-Aware Competitive Power Control in Relay-Assisted Interference Wireless Networks. *Zappone, Alessio,* +, *TWC April 2013 1860-1871*
Energy-efficient cooperative beamforming in clustered wireless networks. *Lim, G.,* +, *TWC March 2013 1376-1385*
Error Rate Analysis of GF(q) Network Coded Detect-and-Forward Wireless Relay Networks Using Equivalent Relay Channel Models. *Safak, Ilgin,* +, *TWC August 2013 3908-3919*

Joint Back-Pressure Power Control and Interference Cancellation in Wireless Multi-Hop Networks. *Gopalakrishnan, Balasubramanian, +, TWC July 2013 3484-3495*
Joint Spectrum Sensing and Access Evolutionary Game in Cognitive Radio Networks. *Jiang, Chunxiao, +, TWC May 2013 2470-2483*
Maximizing the Secret Key Rate for Informed Radios under Different Channel Conditions. *Quist, Britton T., +, TWC October 2013 5146-5153*
Multi-Packet Communication in Heterogeneous Wireless Networks Adopting Spatial Reuse:Capture Analysis. *Babich, F., +, TWC October 2013 5346-5359*
On the Throughput Capacity and Performance Analysis of Hybrid Wireless Networks over Fading Channels. *Wang, Xin, +, TWC June 2013 2930-2940*
Optimal Deployment for Magnetic Induction-Based Wireless Networks in Challenged Environments. *Sun, Zhi, +, TWC March 2013 996-1005*
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Optimal Tradeoff Between Sum-Rate Efficiency and Jain's Fairness Index in Resource Allocation. *Sediq, Akram Bin, +, TWC July 2013 3496-3509*
Outage Probability for Diversity Combining in Interference-Limited Channels. *Chopra, Aditya, +, TWC February 2013 550-560*
Packet Error Outage for Coded Systems Experiencing Fast Fading and Shadowing. *Mary, Philippe, +, TWC February 2013 574-585*
Performance Analysis of Adaptive Physical Layer Network Coding for Wireless Two-Way Relaying. *Muralidharan, Vijayvaradharaj T., +, TWC March 2013 1328-1339*
Power Allocation in Multi-User Wireless Relay Networks through Bargaining. *Cao, Qian, +, TWC June 2013 2870-2882*
Proportional Fair Resource Allocation on an Energy Harvesting Downlink. *Tekbiyik, Neyre, +, TWC April 2013 1699-1711*
Proportional Fair Scheduling in Hierarchical Modulation Aided Wireless Networks. *Wang, Xuan, +, TWC April 2013 1584-1593*
Rate Gain Region and Design Tradeoffs for Full-Duplex Wireless Communications. *Ahmed, Elsayed, +, TWC July 2013 3556-3565*
Relay Subset Selection in Cooperative Systems with Beamforming and Limited Feedback. *Zhang, Yuxian, +, TWC October 2013 5271-5281*
Secure Wireless Multicast for Delay-Sensitive Data via Network Coding. *Tran, Tuan T., +, TWC July 2013 3372-3387*
Signal Alignment: Enabling Physical Layer Network Coding for MIMO Networking. *Zhou, Ruiting, +, TWC June 2013 3012-3023*
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Stochastic Performance Analysis of a Wireless Finite-State Markov Channel. *Zheng, Kan, +, TWC February 2013 782-793*
TC-Aloha: A Novel Access Scheme for Wireless Networks with Transmit-Only Nodes. *Galluccio, Laura, +, TWC August 2013 3696-3709*
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Time-of-Flight-Based Radio Tomography for Device Free Localization. *Wang, Jie, +, TWC May 2013 2355-2365*
Wireless Network Coding for MIMO Two-Way Relaying. *Muralidharan, Vijayvaradharaj T., +, TWC July 2013 3566-3577*

Radio receivers

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Compressive Sensing for Spread Spectrum Receivers. *Fyhn, Karsten, +, TWC May 2013 2334-2343*
Distributed Control of Multiple Cognitive Radio Overlay for Primary Queue Stability. *Lapiccirella, Fabio E., +, TWC January 2013 112-122*
Diversity Analysis of Analog Network Coding with Multi-User Interferences. *Guan, Wei, +, TWC February 2013 668-679*
Diversity Analysis of Non-Coherent Wireless Network Coding. *Guan, Wei, +, TWC April 2013 1800-1811*
Energy-Delay Tradeoff Comparison of Transmission Schemes with Limited CSI Feedback. *Choi, Jinho, +, TWC April 2013 1762-1773*
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Error Rate Analysis of GF(q) Network Coded Detect-and-Forward Wireless Relay Networks Using Equivalent Relay Channel Models. *Safak, Ilgin, +, TWC August 2013 3908-3919*
Gaussian Interference Channel with State Information. *Zhang, Lili, +, TWC August 2013 4058-4071*
Integer-Forcing Linear Receiver Design with Slowest Descent Method. *Wei, Lili, +, TWC June 2013 2788-2796*
Integer-Forcing MIMO Linear Receivers Based on Lattice Reduction. *Sakzad, Amin, +, TWC October 2013 4905-4915*
Joint Back-Pressure Power Control and Interference Cancellation in Wireless Multi-Hop Networks. *Gopalakrishnan, Balasubramanian, +, TWC July 2013 3484-3495*
Joint OSC Receiver for Evolved GSM/EDGE Systems. *Molteni, Daniele, +, TWC June 2013 2608-2619*
Joint Wireless Information and Energy Transfer in a Two-User MIMO Interference Channel. *Park, Jaehyun, +, TWC August 2013 4210-4221*
Lattice Reduction-Based MIMO Iterative Receiver Using Randomized Sampling. *Bai, Lin, +, TWC May 2013 2160-2170*
MIMO Broadcasting for Simultaneous Wireless Information and Power Transfer. *Zhang, Rui, +, TWC May 2013 1989-2001*
Multiple Access and Data Reconstruction in Wireless Sensor Networks Based on Compressed Sensing. *Xue, Tong, +, TWC July 2013 3399-3411*
Novel Adaptive Nonlinear Receivers for UWB Multiple Access Communications. *Niranjayan, S., +, TWC May 2013 2014-2023*
Opportunistic Wireless Energy Harvesting in Cognitive Radio Networks. *Lee, Seunghyun, +, TWC September 2013 4788-4799*
Optimal Two-Dimensional Lattices for Precoding of Linear Channels. *Kapetanovic, Dzevdan, +, TWC May 2013 2104-2113*
Performance Analysis of Macrodiversity MIMO Systems with MMSE and ZF Receivers in Flat Rayleigh Fading. *Basnayaka, Dushyantha A., +, TWC May 2013 2240-2251*
Performance of Linear Receivers in Frequency-Selective MIMO Channels. *Mehana, Ahmed Hesham, +, TWC June 2013 2697-2705*
Piggyback Retransmissions over Wireless MIMO Channels: Shared Hybrid-ARQ (SHARQ) for Bandwidth Efficiency. *Liang, Xiao, +, TWC August 2013 3770-3782*
Power Allocation and Performance Analysis in Spectrum Sharing Systems with Statistical CSI. *Gong, Xitao, +, TWC April 2013 1819-1831*
Power Allocation and Time-Domain Artificial Noise Design for Wiretap OFDM with Discrete Inputs. *Qin, Haohao, +, TWC June 2013 2717-2729*
Pragmatic Frequency Domain Equalization for Single Carrier with Offset Modulations. *Luzio, Miguel, +, TWC September 2013 4496-4505*
Precoding Design for MIMO Relay Multicasting. *Khandaker, Muhammad R. A., +, TWC July 2013 3544-3555*
Precoding Methods for the MISO Broadcast Channel with Delayed CSIT. *Yi, Xinping, +, TWC May 2013 1-11*
Predictive Vector Quantization for Multicell Cooperation with Delayed Limited Feedback. *Bhagavatula, Ramya, +, TWC June 2013 2588-2597*
Prescient Precoding in Heterogeneous DSA Networks with Both Underlay and Interweave MIMO Cognitive Radios. *Mukherjee, Amitav, +, TWC May 2013 2252-2260*
Reduced-Bias ML-Based Estimators with Low Complexity for Self-Calibrating RSS Ranging. *Coluccia, Angelo, +, TWC March 2013 1220-1230*
Relay Selection Strategies for Single-Carrier Frequency-Domain Equalization Multi-Relay Cooperative Networks. *Eghbali, Homa, +, TWC May 2013 2034-2045*
Spectrum Sharing Single-Carrier in the Presence of Multiple Licensed Receivers. *Kim, Kyeong Jin, +, TWC October 2013 5223-5235*
Spectrum Sharing with Limited Channel Feedback. *Wang, Zhe, +, TWC May 2013 2524-2532*
TC-Aloha: A Novel Access Scheme for Wireless Networks with Transmit-Only Nodes. *Galluccio, Laura, +, TWC August 2013 3696-3709*
Turbo Receiver with ICI-Aware Dual-List Detection for Mobile MIMO-OFDM Systems. *Chen, Chi-Yun, +, TWC January 2013 100-111*
Ultra-Wideband TOA Estimation in the Presence of Clock Frequency Offset. *D'Amico, Antonio A., +, TWC April 2013 1606-1616*
Wireless Information Transfer with Opportunistic Energy Harvesting. *Liu, Liang, +, TWC January 2013 288-300*

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Zadoff-Chu Sequence Based Signature Identification for OFDM. *Lee, Kilbom, +, TWC October 2013 4932-4942*

Radio spectrum management

A Byzantine Attack Defender in Cognitive Radio Networks: The Conditional Frequency Check. *He, Xiaofan, +, TWC May 2013 2512-2523*

A Feedback- Soft Sensing-Based Access Scheme for Cognitive Radio Networks. *Arafa, Ahmed M., +, TWC July 2013 3226-3237*

A Stackelberg Model for Opportunistic Sensing in Cognitive Radio Networks. *Habachi, Oussama, +, TWC May 2013 2148-2159*

A Unified Framework for the Ergodic Capacity of Spectrum Sharing Cognitive Radio Systems. *Sboui, Lokman, +, TWC February 2013 877-887*

An Incentivized Cooperative Architecture for Dynamic Spectrum Access Networks. *Xin, ChunSheng, +, TWC October 2013 5154-5161*

Application of Cooperative Diversity to Cognitive Radio Leasing: Model and Analytical Characterization of Resource Gains. *Gomez-Cuba, F., +, TWC January 2013 40-49*

Binary Inference for Primary User Separation in Cognitive Radio Networks. *Nguyen, Huy, +, TWC April 2013 1532-1542*

Cognitive Hybrid Division Duplex for Two-Tier Femtocell Networks. *Soh, Yong Sheng, +, TWC October 2013 4852-4865*

Cognitive Radio Networks with Energy Harvesting. *Park, Sungsoo, +, TWC March 2013 1386-1397*

Compressive Sensing for Spread Spectrum Receivers. *Fyhn, Karsten, +, TWC May 2013 2334-2343*

Decision Maker Approaches for Cooperative Spectrum Sensing: Participate or Not Participate in Sensing?. *Cacciapuoti, Angela Sara, +, TWC May 2013 2445-2457*

Defending Against Cooperative Attacks in Cooperative Spectrum Sensing. *Qin, Zhengrui, +, TWC June 2013 2680-2687*

Distributed Cooperative Spectrum Sensing in Mixture of Large and Small Scale Fading Channels. *Reisi, Nima, +, TWC November 2013 5406-5412*

Enabling the Femtocells: A Cooperation Framework for Mobile and Fixed-Line Operators. *Lin, Peng, +, TWC January 2013 158-167*

Improving Secrecy Rate via Spectrum Leasing for Friendly Jamming. *Stanojev, Igor, +, TWC January 2013 134-145*

Improving the Energy Efficiency of Two-Tier Heterogeneous Cellular Networks through Partial Spectrum Reuse. *Cao, Dongxu, +, TWC August 2013 4129-4141*

Interference Management in Underlay Spectrum Sharing Using Indirect Power Control Signalling. *Khoshkholgh, Mohammad G., +, TWC July 2013 3264-3277*

Joint Spectrum Sensing and Access Evolutionary Game in Cognitive Radio Networks. *Jiang, Chunxiao, +, TWC May 2013 2470-2483*

Joint Switched Multi-Spectrum and Transmit Antenna Diversity for Spectrum Sharing Systems. *Sayed, Mostafa, +, TWC October 2013 4827-4839*

Mobile Network Resource Sharing Options: Performance Comparisons. *Panchal, Jignesh S., +, TWC September 2013 4470-4482*

Multidimensional Dirichlet Process-Based Non-Parametric Signal Classification for Autonomous Self-Learning Cognitive Radios. *Bkassiny, Mario, +, TWC November 2013 5413-5423*

On the Decision Threshold of Eigenvalue Ratio Detector Based on Moments of Joint and Marginal Distributions of Extreme Eigenvalues. *Shakir, Muhammad Zeeshan, +, TWC March 2013 974-983*

Optimal Power Allocation for CR Networks with Direct and Relay-Aided Transmissions. *Lu, Lu, +, TWC April 2013 1-11*

Optimal Tone Space Selection Scheme for OFDMA-VTS in Carrier Aggregation. *Lim, Sungmook, +, TWC November 2013 5679-5691*

Optimum Power Randomization for the Minimization of Outage Probability. *Dulek, Berkan, +, TWC September 2013 4627-4637*

Outage Probability of Single-Carrier Cooperative Spectrum Sharing Systems with Decode-and-Forward Relaying and Selection Combining. *Kim, Kyeong Jin, +, TWC February 2013 806-817*

Performance Analysis of Cyclic Prefixed Single-Carrier Cognitive Amplify-and-Forward Relay Systems. *Kim, Kyeong Jin, +, TWC January 2013 195-205*

Power Allocation and Performance Analysis in Spectrum Sharing Systems with Statistical CSI. *Gong, Xitao, +, TWC April 2013 1819-1831*

Resource Allocation for Device-to-Device Communications Overlaying Two-Way Cellular Networks. *Pei, Yiyang, +, TWC July 2013 3611-3621*

Robust Performance of Spectrum Sensing in Cognitive Radio Networks. *Gong, Shimin, +, TWC May 2013 2217-2227*

Sequential Likelihood Ratio Test under Incomplete Signal Model for Spectrum Sensing. *Chung, Wei-Ho, +, TWC February 2013 494-503*

Spatial-Temporal Opportunity Detection for Spectrum-Heterogeneous Cognitive Radio Networks: Two-Dimensional Sensing. *Wu, Qihui, +, TWC February 2013 516-526*

Spectrum Sensing for Digital Primary Signals in Cognitive Radio: A Bayesian Approach for Maximizing Spectrum Utilization. *Zheng, Shoukang, +, TWC April 2013 1774-1782*

Spectrum Sensing Using a Hidden Bivariate Markov Model. *Nguyen, Thao, +, TWC September 2013 4582-4591*

Spectrum Sharing Scheme Between Cellular Users and Ad-hoc Device-to-Device Users. *Kaufman, Brett, +, TWC March 2013 1038-1049*

Spectrum Sharing Single-Carrier in the Presence of Multiple Licensed Receivers. *Kim, Kyeong Jin, +, TWC October 2013 5223-5235*

True-MCSA: A Framework for Truthful Double Multi-Channel Spectrum Auctions. *Chen, Zhili, +, TWC August 2013 3838-3850*

Radio transceivers

Anti-Jamming Message-Driven Frequency Hopping—Part II: Capacity Analysis Under Disguised Jamming. *Zhang, Lei, +, TWC January 2013 80-88*

Corrections to "Achievable Rate Region under Joint Distributed Beamforming and Power Allocation for Two-Way Relay Networks" [Nov 12 4026-4037]. *ShahbazPanahi, Shahram, +, TWC October 2013 5373*

Distributed Angle Estimation for Localization in Wireless Sensor Networks. *Zhang, Weile, +, TWC February 2013 527-537*

Energy Efficiency of Power-Adaptive Spatial Diversity Methods. *Apilo, Olli, +, TWC September 2013 4246-4257*

Estimation of Fast Time-Varying Channels in OFDM Systems Using Two-Dimensional Prolate. *Pena-Campos, F., +, TWC February 2013 898-907*

Multi-Carrier Asynchronous Bi-Directional Relay Networks: Joint Subcarrier Power Allocation and Network Beamforming. *Vahidnia, Reza, +, TWC August 2013 3796-3812*

Mutual Information Analysis of OFDM Radio Link Under Phase Noise, IQ Imbalance and Frequency-Selective Fading Channel. *Gokceoglu, Ahmet, +, TWC June 2013 3048-3059*

Transceiver Design for SC-FDE Based MIMO Relay Systems. *Wu, Peiran, +, TWC September 2013 4376-4391*

Radio transmitters

A Practical Cooperative Multicell MIMO-OFDMA Network Based on Rank Coordination. *Clerckx, Bruno, +, TWC April 2013 1481-1491*

A Scalable Architecture for Distributed Transmit Beamforming with Commodity Radios: Design and Proof of Concept. *Quitin, Franeois, +, TWC March 2013 1418-1428*

Adaptive Constellation Rotation Scheme for Two-User Fading MAC with Quantized Fade State Feedback. *Kundu, Sudipta, +, TWC March 2013 1073-1083*

An Opportunistic Access Scheme Through Distributed Interference Control for MIMO Cognitive Nodes. *Biagi, Mauro, +, TWC December 2013 6500-6513*

Anti-Jamming Message-Driven Frequency Hopping—Part I: System Design. *Zhang, Lei, +, TWC January 2013 70-79*

Application of Cooperative Diversity to Cognitive Radio Leasing: Model and Analytical Characterization of Resource Gains. *Gomez-Cuba, F., +, TWC January 2013 40-49*

Decentralized Beamformer Design with Limited Multi-Cell Cooperation for Interference Channel of Cognitive Radio Networks. *Kim, Young-Jin, +, TWC August 2013 4142-4152*

Dirty Paper Coding for Gaussian Cognitive Z-Interference Channel: Performance Results. *Al-qudah, Zouhair, +, TWC December 2013 6086-6095*

Distributed Control of Multiple Cognitive Radio Overlay for Primary Queue Stability. *Lapiccirella, Fabio E., +, TWC January 2013 112-122*

Distributed Multiple Target-SINRs Tracking Power Control in Wireless Multirate Data Networks. *Monemi, Mehdi, +, TWC April 2013 1850-1859*

Enhanced Limited Feedback Schemes for DL MU-MIMO ZF Precoding. *Wang, Wei, +, TWC April 2013 1554-1561*

Gaussian Interference Channel with State Information. *Zhang, Lili, +, TWC August 2013 4058-4071*

Joint I/Q Mismatch and Distortion Compensation in Direct Conversion Transmitters. *Zhu, Zhiwen, +, TWC June 2013 2941-2951*

Joint Wireless Information and Energy Transfer in a Two-User MIMO Interference Channel. *Park, Jaehyun, +, TWC August 2013 4210-4221*

Large System Analysis of Cooperative Multi-Cell Downlink Transmission via Regularized Channel Inversion with Imperfect CSIT. *Zhang, Jun, +, TWC October 2013 4801-4813*

Limited Feedback-Based Multi-Antenna Relay Broadcast Channels with Block Diagonalization. *Liang, Le, +, TWC August 2013 4092-4101*

MIMO Broadcasting for Simultaneous Wireless Information and Power Transfer. *Zhang, Rui, +, TWC May 2013 1989-2001*
Multiple Access and Data Reconstruction in Wireless Sensor Networks Based on Compressed Sensing. *Xue, Tong, +, TWC July 2013 3399-3411*
On the Achievable Degrees of Freedom of a K-User MIMO Interference Channel with a MIMO Relay. *Chen, Sujie, +, TWC August 2013 4118-4128*
On the Achievable DoF and User Scaling Law of Opportunistic Interference Alignment in 3-Transmitter MIMO Interference Channels. *Lee, Jung Hoon, +, TWC June 2013 2743-2753*
On the Performance of Hybrid-ARQ with Incremental Redundancy and with Code Combining over Relay Channels. *Chelli, Ali, +, TWC August 2013 3860-3871*
Opportunistic Wireless Energy Harvesting in Cognitive Radio Networks. *Lee, Seunghyun, +, TWC September 2013 4788-4799*
Optimal Feedback Rate Sharing Strategy in Zero-Forcing MIMO Broadcast Channels. *Lee, Jung Hoon, +, TWC June 2013 3000-3011*
Optimal Save-Then-Transmit Protocol for Energy Harvesting Wireless Transmitters. *Luo, Shixin, +, TWC March 2013 1196-1207*
Optimal Spectrum Access for Energy Harvesting Cognitive Radio Networks. *Park, Sungsoo, +, TWC December 2013 6166-6179*
Optimal Two-Dimensional Lattices for Precoding of Linear Channels. *Kapetanovic, Dzevdan, +, TWC May 2013 2104-2113*
Optimum Power Randomization for the Minimization of Outage Probability. *Dulek, Berkan, +, TWC September 2013 4627-4637*
Piggyback Retransmissions over Wireless MIMO Channels: Shared Hybrid-ARQ (SHARQ) for Bandwidth Efficiency. *Liang, Xiao, +, TWC August 2013 3770-3782*
Power Allocation and Performance Analysis in Spectrum Sharing Systems with Statistical CSI. *Gong, Xitao, +, TWC April 2013 1819-1831*
Power Allocation and Time-Domain Artificial Noise Design for Wiretap OFDM with Discrete Inputs. *Qin, Haohao, +, TWC June 2013 2717-2729*
Power Allocation in Multi-User Wireless Relay Networks through Bargaining. *Cao, Qian, +, TWC June 2013 2870-2882*
Precoding Design for MIMO Relay Multicasting. *Khandaker, Muhammad R. A., +, TWC July 2013 3544-3555*
Precoding Methods for the MISO Broadcast Channel with Delayed CSIT. *Yi, Xinping, +, TWC May 2013 1-11*
Predictive Vector Quantization for Multicell Cooperation with Delayed Limited Feedback. *Bhagavatula, Ramya, +, TWC June 2013 2588-2597*
Quality of Experience for Spatial Cognitive Systems within Multiple Antenna Scenarios. *Imran, Reema, +, TWC August 2013 4153-4161*
Spectrum Sensing Using a Hidden Bivariate Markov Model. *Nguyen, Thao, +, TWC September 2013 4582-4591*
Spectrum Sharing Single-Carrier in the Presence of Multiple Licensed Receivers. *Kim, Kyeong Jin, +, TWC October 2013 5223-5235*
Spectrum Sharing with Limited Channel Feedback. *Wang, Zhe, +, TWC May 2013 2524-2532*
TC-Aloha: A Novel Access Scheme for Wireless Networks with Transmit-Only Nodes. *Galluccio, Laura, +, TWC August 2013 3696-3709*
The Underwater Selective Repeat Error Control Protocol for Multiuser Acoustic Networks: Design and Parameter Optimization. *Azad, Saiful, +, TWC October 2013 4866-4877*
Transmission Schemes for Gaussian Interference Channels with Transmitter Processing Energy. *Liu, Xi, +, TWC September 2013 4756-4765*
Ultra-Wideband TOA Estimation in the Presence of Clock Frequency Offset. *D'Amico, Antonio A., +, TWC April 2013 1606-1616*
Wireless Information and Power Transfer: Energy Efficiency Optimization in OFDMA Systems. *Ng, Derrick Wing Kwan, +, TWC December 2013 6352-6370*
Wireless Information Transfer with Opportunistic Energy Harvesting. *Liu, Liang, +, TWC January 2013 288-300*

Radiocommunication

Reconfiguring Networked Infrastructures by Adding Wireless Communication Capabilities to Selected Nodes. *Wang, Hengtao, +, TWC September 2013 4518-4528*
Sparsity-Inducing Direction Finding for Narrowband and Wideband Signals Based on Array Covariance Vectors. *Liu, Zhang-Meng, +, TWC August 2013 1-12*

Radiofrequency identification

Assigned Tree Slotted Aloha RFID Tag Anti-Collision Protocols. *Zhang, Lijuan, +, TWC November 2013 5493-5505*
Space Time Coding for Backscatter RFID. *Boyer, Colby, +, TWC May 2013 2272-2280*

Radiofrequency interference

A Framework for Uplink Intercell Interference Modeling with Channel-Based Scheduling. *Tabassum, Hina, +, TWC January 2013 206-217*
A Practical Cooperative Multicell MIMO-OFDMA Network Based on Rank Coordination. *Clerckx, Bruno, +, TWC April 2013 1481-1491*
A Single-User Noncoherent Combining Scheme Achieving Multiuser Interference Mitigation for FFH/MFSK Systems. *Yang, Fucheng, +, TWC September 2013 4306-4314*
Adaptive and Iterative Multi-Branch MMSE Decision Feedback Detection Algorithms for Multi-Antenna Systems. *de Lamare, Rodrigo C., +, TWC October 2013 5294-5308*
Adaptive Constellation Rotation Scheme for Two-User Fading MAC with Quantized Fade State Feedback. *Kundu, Sudipta, +, TWC March 2013 1073-1083*
An Efficient Relay Node Placement Scheme for Two-Way MIMO Multi-Hop Networks in Practical Indoor Environments. *Lertwiram, Namzilp, +, TWC June 2013 2977-2987*
Backhaul-Aware Interference Management in the Uplink of Wireless Small Cell Networks. *Samarakoon, Sumudu, +, TWC November 2013 5813-5825*
Beamformer Designs for MISO Broadcast Channels with Zero-Forcing Dirty Paper Coding. *Tran, Le-Nam, +, TWC March 2013 1173-1185*
Beamforming in a Multi-User Cognitive Radio System with Partial Channel State Information. *Noh, Jung-Hoon, +, TWC February 2013 616-625*
Capacity and Delay Analysis for Data Gathering with Compressive Sensing in Wireless Sensor Networks. *Zheng, Haifeng, +, TWC February 2013 917-927*
Cognitive Hybrid Division Duplex for Two-Tier Femtocell Networks. *Soh, Yong Sheng, +, TWC October 2013 4852-4865*
Cooperative Scheduling for Coexisting Body Area Networks. *Wang, Lusheng, +, TWC January 2013 123-133*
Coordinated Multicast Beamforming in Multicell Networks. *Xiang, Zhengzheng, +, TWC January 2013 12-21*
Cross-Layer Schemes for Reducing Delay in Multihop Wireless Networks. *Cheng, Maggie, +, TWC February 2013 928-937*
Delay-Constrained Random Access Transport Capacity. *Byun, Ilmu, +, TWC April 2013 1628-1639*
Discovery Signal Design and its Application to Peer-to-Peer Communications in OFDMA Cellular Networks. *Zou, Jun, +, TWC August 2013 3995-4009*
Distributed Control of Multiple Cognitive Radio Overlay for Primary Queue Stability. *Lapiccirella, Fabio E., +, TWC January 2013 112-122*
Distributed Full-Duplex via Wireless Side-Channels: Bounds and Protocols. *Bai, Jingwen, +, TWC August 2013 4162-4173*
Distributed Multiple Target-SINRs Tracking Power Control in Wireless Multirate Data Networks. *Monemi, Mehdi, +, TWC April 2013 1850-1859*
Diversity Analysis of Analog Network Coding with Multi-User Interferences. *Guan, Wei, +, TWC February 2013 668-679*
Diversity Analysis of Non-Coherent Wireless Network Coding. *Guan, Wei, +, TWC April 2013 1800-1811*
Downlink Base Station Cooperative Transmission Under Limited-Capacity Backhaul. *Zhang, Qian, +, TWC August 2013 3746-3759*
Downlink Coordinated Multi-Point with Overhead Modeling in Heterogeneous Cellular Networks. *Xia, Ping, +, TWC August 2013 4025-4037*
Downlink MIMO HetNets: Modeling, Ordering Results and Performance Analysis. *Dhillon, Harpreet S., +, TWC October 2013 5208-5222*
Downlink Scheduling with Transmission Strategy Selection for Multi-Cell MIMO Systems. *Niu, Binglai, +, TWC February 2013 736-747*
Dynamic eICIC — A Proactive Strategy for Improving Spectral Efficiencies of Heterogeneous LTE Cellular Networks by Leveraging User Mobility and Traffic Dynamics. *Vasudevan, Subramanian, +, TWC October 2013 4956-4969*
Energy Efficiency Evaluation of Cellular Networks Based on Spatial Distributions of Traffic Load and Power Consumption. *Xiang, Lin, +, TWC March 2013 961-973*
Energy Efficiency Optimization for OFDM-Based Cognitive Radio Systems: A Water-Filling Factor Aided Search Method. *Mao, Junling, +, TWC May 2013 2366-2375*
Energy-Aware Competitive Power Control in Relay-Assisted Interference Wireless Networks. *Zappone, Alessio, +, TWC April 2013 1860-1871*
Energy-efficient transmission for MIMO interference channels. *Jiang, C., +, TWC June 2013 2988-2999*
Full-Duplex Cooperative Cognitive Radio with Transmit Imperfections. *Zheng, Gan, +, TWC May 2013 2498-2511*

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Gaussian Interference Channel with State Information. *Zhang, Lili, +, TWC August 2013 4058-4071*
Impact of Primary User Traffic on Adaptive Transmission for Cognitive Radio with Partial Relay Selection. *Rao, Anlei, +, TWC March 2013 1162-1172*
Improving the Energy Efficiency of Two-Tier Heterogeneous Cellular Networks through Partial Spectrum Reuse. *Cao, Dongxu, +, TWC August 2013 4129-4141*
Interference Pricing for SINR-Based Random Access Game. *Cheung, Man Hon, +, TWC May 2013 2292-2301*
Joint OSC Receiver for Evolved GSM/EDGE Systems. *Molteni, Daniele, +, TWC June 2013 2608-2619*
Joint Wireless Information and Energy Transfer in a Two-User MIMO Interference Channel. *Park, Jaehyun, +, TWC August 2013 4210-4221*
Minimum BER Analysis in Interference Channels. *Mili, Mohammad Robat, +, TWC July 2013 3191-3201*
Multicell Coordination via Joint Scheduling, Beamforming, and Power Spectrum Adaptation. *Yu, Wei, +, TWC July 2013 1-14*
Multiuser Two Way Relaying Schemes in the Future Cellular Network. *Hwang, Duckdong, +, TWC October 2013 5200-5207*
On the Achievable Degrees of Freedom of a K-User MIMO Interference Channel with a MIMO Relay. *Chen, Sujie, +, TWC August 2013 4118-4128*
On the Throughput Capacity and Performance Analysis of Hybrid Wireless Networks over Fading Channels. *Wang, Xin, +, TWC June 2013 2930-2940*
Opportunistic Spectrum Access with Spatial Reuse: Graphical Game and Uncoupled Learning Solutions. *Xu, Yuhua, +, TWC October 2013 4814-4826*
Optimal Beamforming Schemes and its Capacity Behavior for Downlink Distributed Antenna Systems. *Lee, Sang-Rim, +, TWC June 2013 2578-2587*
Optimal Binary/Quaternary Adaptive Signature Design for Code-Division Multiplexing. *Wei, Lili, +, TWC February 2013 840-849*
Optimal Fractional Frequency Reuse and Power Control in the Heterogeneous Wireless Networks. *Li, Qian Clara, +, TWC June 2013 2658-2668*
Optimal Power Allocation for CR Networks with Direct and Relay-Aided Transmissions. *Lu, Lu, +, TWC April 2013 1-11*
Optimization of Soft Frequency Reuse for Irregular LTE Macrocellular Networks. *Gonzalez G, David, +, TWC May 2013 2410-2423*
Outage Probability for Diversity Combining in Interference-Limited Channels. *Chopra, Aditya, +, TWC February 2013 550-560*
Outage Probability of Single-Carrier Cooperative Spectrum Sharing Systems with Decode-and-Forward Relaying and Selection Combining. *Kim, Kyeong Jin, +, TWC February 2013 806-817*
Piggyback Retransmissions over Wireless MIMO Channels: Shared Hybrid-ARQ (SHARQ) for Bandwidth Efficiency. *Liang, Xiao, +, TWC August 2013 3770-3782*
Precoding Methods for the MISO Broadcast Channel with Delayed CSIT. *Yi, Xinping, +, TWC May 2013 1-11*
QoS-Aware and Energy-Efficient Resource Management in OFDMA Femtocells. *Le, Long Bao, +, TWC January 2013 180-194*
Random Deployment of Data Collectors for Serving Randomly-Located Sensors. *Kwon, Taesoo, +, TWC June 2013 2556-2565*
Rate Gain Region and Design Tradeoffs for Full-Duplex Wireless Communications. *Ahmed, Elsayed, +, TWC July 2013 3556-3565*
Resource Allocation for OFDMA Cognitive Radios Under Channel Uncertainty. *Kim, Seung-Jun, +, TWC July 2013 3578-3587*
Resource Allocation for QoS Support in Wireless Mesh Networks. *Kim, Tae-Suk, +, TWC May 2013 2046-2054*
Self-Organization in Small Cell Networks: A Reinforcement Learning Approach. *Bennis, Mehdi, +, TWC July 2013 3202-3212*
Signal Detection for OFDM-Based Virtual MIMO Systems under Unknown Doubly Selective Channels, Multiple Interferences and Phase Noises. *Zhong, Ke, +, TWC October 2013 5309-5321*
SINR Balancing Techniques in Coordinated Multi-Cell Downlink Systems. *Park, Haewook, +, TWC February 2013 626-635*
Spatial-Temporal Opportunity Detection for Spectrum-Heterogeneous Cognitive Radio Networks: Two-Dimensional Sensing. *Wu, Qihui, +, TWC February 2013 516-526*
Spectrum Sharing Scheme Between Cellular Users and Ad-hoc Device-to-Device Users. *Kaufman, Brett, +, TWC March 2013 1038-1049*
Spectrum Sharing Single-Carrier in the Presence of Multiple Licensed Receivers. *Kim, Kyeong Jin, +, TWC October 2013 5223-5235*
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Turbo Receiver with ICI-Aware Dual-List Detection for Mobile MIMO-OFDM Systems. *Chen, Chi-Yun, +, TWC January 2013 100-111*
Unified SER Performance Analysis and Improvement for Multiuser MIMO Downlink with Correlation Rotation Linear Precoding. *Liu, Zu-Jun, +, TWC April 2013 1678-1685*

Radiofrequency power transmission
Energy-Aware Competitive Power Control in Relay-Assisted Interference Wireless Networks. *Zappone, Alessio, +, TWC April 2013 1860-1871*
Energy-Efficient Transmission for Wireless Energy Harvesting Nodes. *Gregori, Maria, +, TWC March 2013 1244-1254*
MIMO Broadcasting for Simultaneous Wireless Information and Power Transfer. *Zhang, Rui, +, TWC May 2013 1989-2001*

Radiowave propagation
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Distributed Angle Estimation for Localization in Wireless Sensor Networks. *Zhang, Weile, +, TWC February 2013 527-537*
Joint OSC Receiver for Evolved GSM/EDGE Systems. *Molteni, Daniele, +, TWC June 2013 2608-2619*
Maximizing the Secret Key Rate for Informed Radios under Different Channel Conditions. *Quist, Britton T., +, TWC October 2013 5146-5153*
Measurements and Analysis of Propagation Channels in High-Speed Railway Viaducts. *He, Ruisi, +, TWC February 2013 794-805*

Railway communication
Measurements and Analysis of Propagation Channels in High-Speed Railway Viaducts. *He, Ruisi, +, TWC February 2013 794-805*

Random codes
A Novel Power Allocation Scheme for Two-User GMAC with Finite Input Constellations. *Harshan, J., +, TWC February 2013 818-827*
Compressive Coded Modulation for Seamless Rate Adaptation. *Cui, Hao, +, TWC October 2013 4892-4904*
Dynamic Control of Coding for Progressive Packet Arrivals in DTNs. *Altman, Eitan, +, TWC February 2013 725-735*

Random processes
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Large System Analysis of Cooperative Multi-Cell Downlink Transmission via Regularized Channel Inversion with Imperfect CSIT. *Zhang, Jun, +, TWC October 2013 4801-4813*
On the Decision Threshold of Eigenvalue Ratio Detector Based on Moments of Joint and Marginal Distributions of Extreme Eigenvalues. *Shakir, Muhammad Zeeshan, +, TWC March 2013 974-983*
Towards Understanding the Fundamentals of Mobility in Cellular Networks. *Lin, Xingqin, +, TWC April 2013 1686-1698*

Random variables
Average-Instantaneous, Unimodal and Multimodal Scattering Responses in Spatial Gaussian Channels. *Mammasis, Konstantinos, +, TWC November 2013 5480-5492*

Ray tracing
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The Throughput of Underwater Networks: Analysis and Validation using a Ray Tracing Simulator. *Stamatiou, Kostas, +, TWC March 2013 1108-1117*
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Rayleigh channels
A New Cross-Layer User Scheduler for Wireless Multimedia Relay Networks. *Egan, Malcolm, +, TWC January 2013 301-311*
A Single-User Noncoherent Combining Scheme Achieving Multiuser Interference Mitigation for FFH/MFSK Systems. *Yang, Fucheng, +, TWC September 2013 4306-4314*
A Unified Framework for the Ergodic Capacity of Spectrum Sharing Cognitive Radio Systems. *Sboui, Lokman, +, TWC February 2013 877-887*
An Efficient Relay Node Placement Scheme for Two-Way MIMO Multi-Hop Networks in Practical Indoor Environments. *Lertwiram, Namzilp, +, TWC June 2013 2977-2987*
Energy-Delay Tradeoff for Wireless Relay Systems Using HARQ with Incremental Redundancy. *Choi, Jinho, +, TWC February 2013 561-573*
Estimation of the Composite Fast Fading and Shadowing Distribution Using the Log-Moments in Wireless Communications. *Reig, Juan, +, TWC August 2013 3672-3681*
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High-Throughput Cooperative Communication with Interference Cancellation for Two-Path Relay in Multi-Source System. *Lu, Hao, +, TWC October 2013 4840-4851*
Impact of Wireless Channel Uncertainty upon Distributed Detection Systems. *Ahmadi, Hamid R., +, TWC June 2013 2566-2577*
Joint Network-Channel Coding with Rateless Code in Two-Way Relay Systems. *Zhang, Yu, +, TWC July 2013 3158-3169*
Joint Switched Multi-Spectrum and Transmit Antenna Diversity for Spectrum Sharing Systems. *Sayed, Mostafa, +, TWC October 2013 4827-4839*
Multidimensional Dirichlet Process-Based Non-Parametric Signal Classification for Autonomous Self-Learning Cognitive Radios. *Bkassiny, Mario, +, TWC November 2013 5413-5423*
Mutual Information Analysis of OFDM Radio Link Under Phase Noise, IQ Imbalance and Frequency-Selective Fading Channel. *Gokceoglu, Ahmet, +, TWC June 2013 3048-3059*
Offloading in Heterogeneous Networks: Modeling, Analysis, and Design Insights. *Singh, Sarabjot, +, TWC May 2013 2484-2497*
On the Effect of Outdated Channel Estimation in Variable Gain Relaying: Error Performance and PAPR. *Hadzi-Velkov, Zoran, +, TWC March 2013 1084-1097*
On the Energy Efficiency of a Relaying Protocol with HARQ-IR and Distributed Cooperative Beamforming. *Choi, Jinho, +, TWC February 2013 769-781*
Optimal Beamforming Schemes and its Capacity Behavior for Downlink Distributed Antenna Systems. *Lee, Sang-Rim, +, TWC June 2013 2578-2587*
Optimal Save-Then-Transmit Protocol for Energy Harvesting Wireless Transmitters. *Luo, Shixin, +, TWC March 2013 1196-1207*
Performance Analysis of Macrodiversity MIMO Systems with MMSE and ZF Receivers in Flat Rayleigh Fading. *Basnayaka, Dushyantha A., +, TWC May 2013 2240-2251*
Power Allocation for Robust Distributed Best-Linear-Unbiased Estimation Against Sensing Noise Variance Uncertainty. *Wu, Jwo-Yuh, +, TWC June 2013 2853-2869*
Relay Selection Schemes for Dual-Hop Networks under Security Constraints with Multiple Eavesdroppers. *Bao, Vo Nguyen Quoc, +, TWC December 2013 6076-6085*
Space Time Coding for Backscatter RFID. *Boyer, Colby, +, TWC May 2013 2272-2280*
Sum Rate Analysis of Two-Way MIMO AF Relay Networks with Zero-Forcing. *Amarasuriya, Gayan, +, TWC September 2013 4456-4469*
The Throughput of Underwater Networks: Analysis and Validation using a Ray Tracing Simulator. *Stamatiou, Kostas, +, TWC March 2013 1108-1117*
Wireless Network Coding for MIMO Two-Way Relaying. *Muralidharan, Vijayvaradharaj T., +, TWC July 2013 3566-3577*

Receivers
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Average-Instantaneous, Unimodal and Multimodal Scattering Responses in Spatial Gaussian Channels. *Mammasis, Konstantinos, +, TWC November 2013 5480-5492*
Blind Channel Shortening for Asynchronous SC-IFDMA Systems with CFOs. *Darsena, Donatella, +, TWC November 2013 5529-5543*
Cooperative Beamforming for Cognitive Radio Systems with Asynchronous Interference to Primary User. *Hassan, Mai H., +, TWC November 2013 5468-5479*
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Design and Analysis of Wireless Communication Systems Using Diffusion-Based Molecular Communication Among Bacteria. *Einolghozati, Arash, +, TWC December 2013 6096-6105*
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Exact Joint Distribution Analysis of Zero-Forcing V-BLAST Gains with Greedy Ordering. *Ozyurt, Serdar, +, TWC November 2013 5377-5385*
On Detection Strategies for Linearly Precoded MIMO-OFDM Systems with CSIT. *Riera-Palou, Felip, +, TWC December 2013 5979-5991*
Optimization of a p-persistent Network Diversity Multiple Access Protocol for a SC-FDE System. *Pereira, M., +, TWC December 2013 5953-5965*
Optimized Transmission with Improper Gaussian Signaling in the K-User MISO Interference Channel. *Zeng, Yong, +, TWC December 2013 6303-6313*
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Performance Analysis of Underlay Cognitive Multihop Regenerative Relaying Systems with Multiple Primary Receivers. *Hyadi, Amal, +, TWC December 2013 6418-6429*
Spectrum Sharing Techniques for Broadcast Cognitive Radio Networks. *Chraiti, Mohaned, +, TWC November 2013 5880-5888*
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Topology Control with vMIMO Communication in Wireless Sensor Networks. *Xu, Hongli, +, TWC December 2013 6328-6339*
Two-Dimensional Compressed Correlator for Fast PN Code Acquisition. *Kong, Seung-Hyun, +, TWC November 2013 5859-5867*
Wireless Information and Power Transfer: Energy Efficiency Optimization in OFDMA Systems. *Ng, Derrick Wing Kwan, +, TWC December 2013 6352-6370*

Receiving antennas
A Markov Decision Theoretic Approach to Pilot Allocation and Receive Antenna Selection. *Stephen, Reuben George, +, TWC August 2013 3813-3823*
Adaptive and Iterative Multi-Branch MMSE Decision Feedback Detection Algorithms for Multi-Antenna Systems. *de Lamare, Rodrigo C., +, TWC October 2013 5294-5308*
Generalised Pre-Coding Aided Spatial Modulation. *Zhang, Rong, +, TWC November 2013 5434-5443*
Interference Alignment in a Poisson Field of MIMO Femtocells. *Nguyen, Tri Minh, +, TWC June 2013 2633-2645*
Joint Precoder Design for Distributed Transmission of Correlated Sources in Sensor Networks. *Fang, Jun, +, TWC June 2013 2918-2929*
Joint Switched Multi-Spectrum and Transmit Antenna Diversity for Spectrum Sharing Systems. *Sayed, Mostafa, +, TWC October 2013 4827-4839*
Maximum Achievable Capacity in Airborne MIMO Communications with Arbitrary Alignments of Linear Transceiver Antenna Arrays. *Su, Weifeng, +, TWC November 2013 5584-5593*
Minimizing the Complexity of Fast Sphere Decoding of STBCs. *Jithamithra, G. R., +, TWC December 2013 6142-6153*
Multiuser Diversity in Interfering Broadcast Channels: Achievable Degrees of Freedom and User Scaling Law. *Lee, Jung Hoon, +, TWC November 2013 5837-5849*
On the Achievable DoF and User Scaling Law of Opportunistic Interference Alignment in 3-Transmitter MIMO Interference Channels. *Lee, Jung Hoon, +, TWC June 2013 2743-2753*
Outage Probability and Energy Efficiency of Cooperative MIMO with Antenna Selection. *Brante, Glauber, +, TWC November 2013 5896-5907*
Performance Analysis of Macrodiversity MIMO Systems with MMSE and ZF Receivers in Flat Rayleigh Fading. *Basnayaka, Dushyantha A., +, TWC May 2013 2240-2251*
Performance of TAS/MRC Wireless Systems Under Hoyt Fading Channels. *Pena-Martin, Juan P., +, TWC July 2013 3350-3359*
Simultaneous Transmission and Reception: Algorithm, Design and System Level Performance. *Choi, Yang-Seok, +, TWC December 2013 5992-6010*

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Spectrum Sensing Using Correlated Receiving Multiple Antennas in Cognitive Radios. *Sedighi, Saeid, +, TWC November 2013 5754-5766*
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Recursive estimation
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Redundancy
Energy-Delay Tradeoff for Wireless Relay Systems Using HARQ with Incremental Redundancy. *Choi, Jinho, +, TWC February 2013 561-573*
Multi-Layer Iterative LDPC Decoding for Broadband Wireless Access Networks: A Recursive Shortening Algorithm. *Rong, Bo, +, TWC March 2013 1320-1327*

Reed-Solomon codes
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Spectral-Energy Efficiency Tradeoff in Relay-Aided Cellular Networks. *Ku, Ivan, +, TWC October 2013 4970-4982*

Regression analysis
Transient Analysis of Data Traffic in Cognitive Radio Networks: A Non-Equilibrium Statistical Mechanics Approach. *Li, Husheng, +, TWC September 2013 4658-4667*

Relay networks (telecommunication)
A Dynamic Paradigm for Spectrally Efficient Half-Duplex Multi-Antenna Relaying. *Kim, Young-bin, +, TWC September 2013 4680-4691*
A Network Flow Approach to Throughput Maximization in Cooperative OFDMA Networks. *Tao, Meixia, +, TWC March 2013 1138-1148*
A New Cross-Layer User Scheduler for Wireless Multimedia Relay Networks. *Egan, Malcolm, +, TWC January 2013 301-311*
A Note on "Amplify-and-Forward Relay Networks under Received Power Constraint" [Nov 09 5422-5426]. *Lee, Kanghee, +, TWC October 2013 5375*
Achieving Full Diversity in Multi-Antenna Two-Way Relay Networks via Symbol-Based Physical-Layer Network Coding. *Cao, Ruohan, +, TWC July 2013 3445-3457*
An Efficient Relay Node Placement Scheme for Two-Way MIMO Multi-Hop Networks in Practical Indoor Environments. *Lertwiram, Namzilp, +, TWC June 2013 2977-2987*
Asymptotically Optimal Cross-Layer Schemes for Relay Networks with Short-Term and Long-Term Constraints. *Marques, Antonio G., +, TWC January 2013 333-345*
Auction-Based Power Allocation for Multiuser Two-Way Relaying Networks. *Zou, Junni, +, TWC January 2013 31-39*
Bilayer Protograph Codes for Half-Duplex Relay Channels. *Van Nguyen, Thuy, +, TWC May 2013 1969-1977*
Capacity Region Bounds and Resource Allocation for Two-Way OFDM Relay Channels. *He, Fei, +, TWC June 2013 2904-2917*
Decoding and Performance Bound of Demodulate-and-Forward Based Distributed Alamouti STBC. *Bansal, Ankur, +, TWC February 2013 702-713*
Digital Network Coding Aided Two-Way Relaying: Energy Minimization and Queue Analysis. *Chen, Zhi, +, TWC April 2013 1947-1957*
Diversity Analysis of Analog Network Coding with Multi-User Interferences. *Guan, Wei, +, TWC February 2013 668-679*
Diversity-Multiplexing Trade-off for Coordinated Direct and Relay Schemes. *Thai, Chan Dai Truyen, +, TWC July 2013 3289-3299*
Energy Efficiency in the Wideband Regime. *Miao, Guowang, +, TWC August 2013 4102-4109*
Energy-Aware Competitive Power Control in Relay-Assisted Interference Wireless Networks. *Zappone, Alessio, +, TWC April 2013 1860-1871*
Energy-Delay Tradeoff for Wireless Relay Systems Using HARQ with Incremental Redundancy. *Choi, Jinho, +, TWC February 2013 561-573*
Error Rate Analysis of GF(q) Network Coded Detect-and-Forward Wireless Relay Networks Using Equivalent Relay Channel Models. *Safak, Ilgin, +, TWC August 2013 3908-3919*
Exploiting Multi-User Diversity and Multi-Hop Diversity in Dual-Hop Broadcast Channels. *Zafar, Ammar, +, TWC July 2013 3314-3325*
Heterogeneous Relay Selection. *Abouelseoud, Mohamed, +, TWC April 2013 1735-1743*
High-Throughput Cooperative Communication with Interference Cancellation for Two-Path Relay in Multi-Source System. *Lu, Hao, +, TWC October 2013 4840-4851*
Impact of Overhead on Spectral Efficiency of Cooperative Relaying. *Xiao, Yao, +, TWC May 2013 2228-2239*
Impact of Primary User Traffic on Adaptive Transmission for Cognitive Radio with Partial Relay Selection. *Rao, Anlei, +, TWC March 2013 1162-1172*
Impact of Unknown Time-varying Fading on the Information Rates of Amplify and Forward Cooperative Systems. *Mohammadi, Mohammadali, +, TWC January 2013 146-157*
Joint Network-Channel Coding with Rateless Code in Two-Way Relay Systems. *Zhang, Yu, +, TWC July 2013 3158-3169*
Joint Network-Channel Coding with Rateless Code over Multiple Access Relay System. *Zhang, Yu, +, TWC January 2013 320-332*
Joint Rate Adaptation and Best-Relay Selection Using Limited Feedback. *Yi, Na, +, TWC June 2013 2797-2805*
Limited Feedback-Based Multi-Antenna Relay Broadcast Channels with Block Diagonalization. *Liang, Le, +, TWC August 2013 4092-4101*
Linear Network Coding Strategies for the Multiple Access Relay Channel with Packet Erasures. *Dai, Mingjun, +, TWC January 2013 218-227*
Multi-Carrier Asynchronous Bi-Directional Relay Networks: Joint Subcarrier Power Allocation and Network Beamforming. *Vahidnia, Reza, +, TWC August 2013 3796-3812*
Multi-Packet Interference in Opportunistic Large Array Broadcasts over Disk Networks. *Jung, Haejoon, +, TWC November 2013 5631-5645*
Multiuser Two Way Relaying Schemes in the Future Cellular Network. *Hwang, Duckdong, +, TWC October 2013 5200-5207*
Network-Coded Bi-Directional Relaying for Amplify-and-Forward Cooperative Networks: A Comparative Study. *Baidas, Mohammed W., +, TWC July 2013 3238-3252*
Novel Distributed Quasi-Orthogonal Space-Time Block Codes for Two-Way Two-Antenna Relay Networks. *Gong, Feng-Kui, +, TWC September 2013 4338-4349*
On RANC ARQ for Wireless Relay Networks: From the Transmission Perspective. *Kao, Jung-Chun, +, TWC June 2013 2962-2976*
On the Achievable Degrees of Freedom of a K-User MIMO Interference Channel with a MIMO Relay. *Chen, Sujie, +, TWC August 2013 4118-4128*
On the Alternative Relaying Gaussian Diamond Channel with Conferencing Links. *Huang, Chuan, +, TWC February 2013 758-768*
On the Energy Efficiency of a Relaying Protocol with HARQ-IR and Distributed Cooperative Beamforming. *Choi, Jinho, +, TWC February 2013 769-781*
On the Performance of Hybrid-ARQ with Incremental Redundancy and with Code Combining over Relay Channels. *Chelli, Ali, +, TWC August 2013 3860-3871*
On Transmission of Multiresolution Gaussian Sources over Noisy Relay Networks. *Ho, James, +, TWC July 2013 3170-3179*
One-Bit CSI Feedback Selection Schemes for Energy-Efficient Multiuser and Multirelay Systems. *Le, Viet-Anh, +, TWC March 2013 1149-1161*
Optimal Power Allocation for CR Networks with Direct and Relay-Aided Transmissions. *Lu, Lu, +, TWC April 2013 1-11*
Optimal-Switching Adaptive Modulation for Multiuser Relay Networks with Feedback Delays. *Thilina, Karaputugala G. Madushan, +, TWC August 2013 3682-3695*
Outage Probability of Single-Carrier Cooperative Spectrum Sharing Systems with Decode-and-Forward Relaying and Selection Combining. *Kim, Kyeong Jin, +, TWC February 2013 806-817*
Outage-Capacity Based Adaptive Relaying in LTE-Advanced Networks. *Song, S. H., +, TWC September 2013 4778-4787*
Pair-Aware Interference Alignment in Multi-User Two-Way Relay Networks. *Ganesan, Rakash SivaSiva, +, TWC August 2013 3662-3671*
Performance Analysis of Adaptive Physical Layer Network Coding for Wireless Two-Way Relaying. *Muralidharan, Vijayvaradharaj T., +, TWC March 2013 1328-1339*
Performance Analysis of Cyclic Prefixed Single-Carrier Cognitive Amplify-and-Forward Relay Systems. *Kim, Kyeong Jin, +, TWC January 2013 195-205*
Performance Analysis of Opportunistic Relaying Scheme with Outdated Channel Information. *Kim, Seokjung, +, TWC February 2013 538-549*
Physical Layer Network Coding for the K-User Multiple Access Relay Channel. *Muralidharan, Vijayvaradharaj T., +, TWC June 2013 3107-3119*
Physical Layer Network Coding for Two-Way Relaying with QAM. *Namboodiri, Vishnu, +, TWC October 2013 5074-5086*
Power Allocation in Multi-User Wireless Relay Networks through Bargaining. *Cao, Qian, +, TWC June 2013 2870-2882*

Precoding Design for MIMO Relay Multicasting. *Khandaker, Muhammad R. A., +, TWC July 2013 3544-3555*
Prior Zero Forcing for Cognitive Relaying. *Song, S. H., +, TWC February 2013 938-947*
QoS Guarantees in AF Relay Networks with Multiple Source-Destination Pairs in the Presence of Imperfect CSI. *Liu, Yupeng, +, TWC September 2013 4225-4235*
QoS-Aware Transmission Policies for OFDM Bidirectional Decode-and-Forward Relaying. *Liu, Yuan, +, TWC May 2013 2206-2216*
Relay Selection and Resource Allocation for Multi-User Cooperative OFDMA Networks. *Alam, Md Shamsul, +, TWC May 2013 2193-2205*
Relay Selection Strategies for Single-Carrier Frequency-Domain Equalization Multi-Relay Cooperative Networks. *Eghbali, Homa, +, TWC May 2013 2034-2045*
Relaying Protocols for Wireless Energy Harvesting and Information Processing. *Nasir, Ali A., +, TWC July 2013 3622-3636*
Resource Allocation, Transmission Coordination and User Association in Heterogeneous Networks: A Flow-Based Unified Approach. *Ghimire, Jagadish, +, TWC March 2013 1340-1351*
Segment Training Based Individual Channel Estimation in One-Way Relay Network with Power Allocation. *Zhang, Shun, +, TWC March 2013 1300-1309*
Signal Alignment: Enabling Physical Layer Network Coding for MIMO Networking. *Zhou, Ruiting, +, TWC June 2013 3012-3023*
Single Relay Selection Schemes for Broadcast Networks. *Hakim, Hela, +, TWC June 2013 2646-2657*
Spectral-Energy Efficiency Tradeoff in Relay-Aided Cellular Networks. *Ku, Ivan, +, TWC October 2013 4970-4982*
Sum Rate Analysis of Two-Way MIMO AF Relay Networks with Zero-Forcing. *Amarasuriya, Gayan, +, TWC September 2013 4456-4469*
Symbol and Bit Mapping Optimization for Physical-Layer Network Coding with Pulse Amplitude Modulation. *Chang, Ronald Y., +, TWC August 2013 3956-3967*
Throughput Capacity of MANETs with Power Control and Packet Redundancy. *Liu, Jiajia, +, TWC June 2013 3035-3047*
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Truthful Mechanisms for Secure Communication in Wireless Cooperative System. *Deng, Jun, +, TWC September 2013 4236-4245*

Relays

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Cooperative Beamforming for Cognitive Radio Systems with Asynchronous Interference to Primary User. *Hassan, Mai H., +, TWC November 2013 5468-5479*
Distributed Linear Convolutional Space-Time Coding for Two-Relay Full-Duplex Asynchronous Cooperative Networks. *Liu, Yi, +, TWC December 2013 6406-6417*
Diversity and Delay Analysis of Buffer-Aided BICM-OFDM Relaying. *Islam, Toufiqul, +, TWC November 2013 5506-5519*
Dynamic Joint Resource Optimization for LTE-Advanced Relay Networks. *Ju, Honghao, +, TWC November 2013 5668-5678*
Full-Duplex Cooperative Cognitive Radio with Transmit Imperfections. *Zheng, Gan, +, TWC May 2013 2498-2511*
Improving Macrocell Downlink Throughput in Rayleigh Fading Channel Environment Through Femtocell User Cooperation. *Zaid, Adem M., +, TWC December 2013 6488-6499*
Linear Precoding with Resource Allocation for MIMO Relay Channels. *Monroy, Edwin, +, TWC November 2013 5704-5716*
Non-Regenerative Multi-Way Relaying: Combining the Gains of Network Coding and Joint Processing. *Degenhardt, Holger, +, TWC November 2013 5692-5703*
Outage Probability and Energy Efficiency of Cooperative MIMO with Antenna Selection. *Brante, Glauber, +, TWC November 2013 5896-5907*
Relay Selection Schemes for Dual-Hop Networks under Security Constraints with Multiple Eavesdroppers. *Bao, Vo Nguyen Quoc, +, TWC December 2013 6076-6085*
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Unequal Diversity LDPC Codes for Relay Channels. *Pulini, Paola, +, TWC November 2013 5646-5655*
Unsaturated Throughput Analysis of Physical-Layer Network Coding Based on IEEE 802.11 Distributed Coordination Function. *Lin, Shijun, +, TWC November 2013 5544-5556*

Reliability

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Resource allocation

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Cooperative Decentralized Resource Allocation in Heterogeneous Wireless Access Medium. *Ismail, Muhammad, +, TWC February 2013 714-724*
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Discovery Signal Design and its Application to Peer-to-Peer Communications in OFDMA Cellular Networks. *Zou, Jun, +, TWC August 2013 3995-4009*
Distributed Power Allocation for Coordinated Multipoint Transmissions in Distributed Antenna Systems. *Zhang, Xiujun, +, TWC May 2013 2281-2291*
Downlink Resource Allocation for Next Generation Wireless Networks with Inter-Cell Interference. *Yu, Yiwei, +, TWC April 2013 1783-1793*
Dynamic eICIC — A Proactive Strategy for Improving Spectral Efficiencies of Heterogeneous LTE Cellular Networks by Leveraging User Mobility and Traffic Dynamics. *Vasudevan, Subramanian, +, TWC October 2013 4956-4969*
Efficient Margin Adaptive Scheduling for MIMO-OFDMA Systems. *Moretti, Marco, +, TWC January 2013 278-287*
Joint Resource Allocation and User Association for Heterogeneous Wireless Cellular Networks. *Fooladivanda, Dariush, +, TWC January 2013 248-257*
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Optimal Tradeoff Between Sum-Rate Efficiency and Jain's Fairness Index in Resource Allocation. *Sediq, Akram Bin, +, TWC July 2013 3496-3509*
Power Control for Two User Cooperative OFDMA Channels. *Bakim, Sezi, +, TWC January 2013 258-267*
Proportional Fair Resource Allocation on an Energy Harvesting Downlink. *Tekbiyik, Neyre, +, TWC April 2013 1699-1711*
QoS-Aware and Energy-Efficient Resource Management in OFDMA Femtocells. *Le, Long Bao, +, TWC January 2013 180-194*
QoS-Aware Transmission Policies for OFDM Bidirectional Decode-and-Forward Relaying. *Liu, Yuan, +, TWC May 2013 2206-2216*
Quantized Ergodic Radio Resource Allocation in OFDMA-Based Cognitive DF Relay-Assisted Networks. *Mokari, Nader, +, TWC October 2013 5110-5123*
Realizing Cooperative Multiuser OFDMA Systems with Subcarrier Resource Allocation. *Li, Shenghong, +, TWC April 2013 1923-1935*
Relay Selection and Resource Allocation for Multi-User Cooperative OFDMA Networks. *Alam, Md Shamsul, +, TWC May 2013 2193-2205*
Resource Allocation for Device-to-Device Communications Overlaying Two-Way Cellular Networks. *Pei, Yiyang, +, TWC July 2013 3611-3621*
Resource Allocation for QoS Support in Wireless Mesh Networks. *Kim, Tae-Suk, +, TWC May 2013 2046-2054*
Resource Allocation with Incomplete Information for QoE-Driven Multimedia Communications. *Zhou, Liang, +, TWC August 2013 3733-3745*
Resource Allocation, Transmission Coordination and User Association in Heterogeneous Networks: A Flow-Based Unified Approach. *Ghimire, Jagadish, +, TWC March 2013 1340-1351*
Scheduling Exploiting Frequency and Multi-User Diversity in LTE Downlink Systems. *Niu, Jinping, +, TWC April 2013 1843-1849*

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Water-Filling: A Geometric Approach and its Application to Solve Generalized Radio Resource Allocation Problems. *He, Peter, +, TWC July 2013 3637-3647*

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CoBRA: Cooperative Beamforming-Based Resource Allocation for Self-Healing in SON-Based Indoor Mobile Communication System. *Lee, Kisong, +, TWC November 2013 5520-5528*
Dynamic Joint Resource Optimization for LTE-Advanced Relay Networks. *Ju, Honghao, +, TWC November 2013 5668-5678*
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Exact Joint Distribution Analysis of Zero-Forcing V-BLAST Gains with Greedy Ordering. *Ozyurt, Serdar, +, TWC November 2013 5377-5385*
Linear Precoding with Resource Allocation for MIMO Relay Channels. *Monroy, Edwin, +, TWC November 2013 5704-5716*
One Bit Feedback for CDF-Based Scheduling with Resource Sharing Constraints. *Jin, Hu, +, TWC December 2013 6281-6291*
Optimum Power Allocation for Preamble Detection With Channel-Adaptive Random Access. *Moon, Hichan, +, TWC November 2013 5424-5433*
Performance Analysis of Device-to-Device Communications with Dynamic Interference Using Stochastic Petri Nets. *Lei, Lei, +, TWC December 2013 6121-6141*
Power-Efficient System Design for Cellular-Based Machine-to-Machine Communications. *Dhillon, Harpreet S., +, TWC November 2013 5740-5753*
Resource Allocation in Autonomous Cellular Networks. *Golkar, Bijan, +, TWC November 2013 5572-5583*
Resource Allocation in Two-Tier Heterogeneous Networks through Enhanced Shadow Chasing. *Elsherif, Ahmed R., +, TWC December 2013 6439-6453*
Wireless Information and Power Transfer: Energy Efficiency Optimization in OFDMA Systems. *Ng, Derrick Wing Kwan, +, TWC December 2013 6352-6370*

Rician channels
Achievable Rates over Doubly Selective Rician-Fading Channels under Peak-Power Constraint. *Passerieux, Jean-Michel, +, TWC February 2013 586-594*
Approximate Maximum Likelihood Estimation of Rician K-Factor and Investigation of Urban Wireless Measurements. *Medawar, Samer, +, TWC June 2013 2545-2555*
Exact Formulations for the Throughput of IEEE 802.11 DCF in Hoyt, Rice, and Nakagami-m Fading Channels. *Leonardo, Elvio J., +, TWC May 2013 2261-2271*
Exact Non-Gaussian Interference Model for Fading Channels. *Chen, Yi, +, TWC January 2013 168-179*
Performance Analysis of Adaptive Physical Layer Network Coding for Wireless Two-Way Relaying. *Muralidharan, Vijayvaradharaj T., +, TWC March 2013 1328-1339*

Robot sensing systems
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Distributed Joint Resource and Routing Optimization in Wireless Sensor Networks via Alternating Direction Method of Multipliers. *Leinonen, Markus, +, TWC November 2013 5454-5467*
Insensitivity of User Distribution in Multicell Networks under General Mobility and Session Patterns. *Bao, Wei, +, TWC December 2013 6244-6254*
Utility Maximization Based on Cross-Layer Design for Multi-Service in Macro-Femto Heterogeneous Networks. *Zhang, Xiuning, +, TWC November 2013 5607-5619*

Routing protocols
A Game-Theoretic Approach to Stimulate Cooperation for Probabilistic Routing in Opportunistic Networks. *Wu, Fan, +, TWC April 2013 1573-1583*
Characterizing Routing with Radio-to-Router Information in a Heterogeneous Airborne Network. *Cheng, Bow-Nan, +, TWC August 2013 4183-4195*
Comment on 'Robust Cooperative Routing Protocol in Mobile Wireless Sensor Networks'. *Fang, Weiwei, +, TWC August 2013 4222-4223*
ProHet: A Probabilistic Routing Protocol with Assured Delivery Rate in Wireless Heterogeneous Sensor Networks. *Chen, Xiao, +, TWC April 2013 1524-1531*
Secure Wireless Multicast for Delay-Sensitive Data via Network Coding. *Tran, Tuan T., +, TWC July 2013 3372-3387*
Spectrum Sharing Scheme Between Cellular Users and Ad-hoc Device-to-Device Users. *Kaufman, Brett, +, TWC March 2013 1038-1049*

S

Safety devices
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Sampling methods
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Satellite communication
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Satellite links
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Scattering
Average-Instantaneous, Unimodal and Multimodal Scattering Responses in Spatial Gaussian Channels. *Mammasis, Konstantinos, +, TWC November 2013 5480-5492*
Decentralized User-Centric Scheduling with Low Rate Feedback for Mobile Small Cells. *Ni, Wei, +, TWC December 2013 6106-6120*

Scheduling
A Framework for Uplink Intercell Interference Modeling with Channel-Based Scheduling. *Tabassum, Hina, +, TWC January 2013 206-217*
A New Cross-Layer User Scheduler for Wireless Multimedia Relay Networks. *Egan, Malcolm, +, TWC January 2013 301-311*
A Practical Cooperative Multicell MIMO-OFDMA Network Based on Rank Coordination. *Clerckx, Bruno, +, TWC April 2013 1481-1491*
Adaptive Spectrum Leasing with Secondary User Scheduling in Cognitive Radio Networks. *Zhai, Chao, +, TWC July 2013 3388-3398*
Broadcast Scheduling for Wireless Mesh Networks Based on Transmission Demand. *Chung, Jong-Moon, +, TWC February 2013 606-615*
Cooperative Scheduling for Coexisting Body Area Networks. *Wang, Lusheng, +, TWC January 2013 123-133*
Cross-Layer Schemes for Reducing Delay in Multihop Wireless Networks. *Cheng, Maggie, +, TWC February 2013 928-937*
Dynamic Multilevel Priority Packet Scheduling Scheme for Wireless Sensor Network. *Nasser, Nidal, +, TWC April 2013 1448-1459*
End-to-End Secure Multi-Hop Communication with Untrusted Relays. *He, Xiang, +, TWC January 2013 1-11*
Energy-Efficient Intrusion Detection with a Barrier of Probabilistic Sensors: Global and Local. *Chen, Jiming, +, TWC September 2013 4742-4755*
Exploiting Multi-User Diversity and Multi-Hop Diversity in Dual-Hop Broadcast Channels. *Zafar, Ammar, +, TWC July 2013 3314-3325*
Frequency Domain Packet Scheduling with MIMO for 3GPP LTE Downlink. *Xu, Yinsheng, +, TWC April 2013 1752-1761*

Joint Antenna Selection and Frequency-Domain Scheduling in OFDMA Systems with Imperfect Estimates from Dual Pilot Training Scheme. *Kashyap, Salil, +, TWC July 2013 3473-3483*
Joint Opportunistic Scheduling and Selective Channel Feedback. *Karaca, Mehmet, +, TWC June 2013 3024-3034*
Maximizing System Energy Efficiency by Exploiting Multiuser Diversity and Loss Tolerance of the Applications. *Butt, M. Majid, +, TWC September 2013 4392-4401*
Minimum-Energy Power and Rate Control for Fair Scheduling in the Cellular Downlink under Flow Level Delay Constraint. *Hossain, M. M. A., +, TWC July 2013 3253-3263*
Multi-User MIMO Scheduling in the Fourth Generation Cellular Uplink. *Prasad, Narayan, +, TWC September 2013 4272-4285*
On the Alternative Relaying Gaussian Diamond Channel with Conferencing Links. *Huang, Chuan, +, TWC February 2013 758-768*
Optimal Scheduling and Power Allocation for Two-Hop Energy Harvesting Communication Systems. *Luo, Yaming, +, TWC September 2013 4729-4741*
Optimal-Switching Adaptive Modulation for Multiuser Relay Networks with Feedback Delays. *Thilina, Karaputugala G. Madushan, +, TWC August 2013 3682-3695*
Performance Improvement of Switched-Based Interference Mitigation for Channel Assignment in Over-Loaded Small-Cell Networks. *Gaaloul, Fakhreddine, +, TWC May 2013 2091-2103*
Proportional Fair Scheduling in Hierarchical Modulation Aided Wireless Networks. *Wang, Xuan, +, TWC April 2013 1584-1593*
QoS-Aware and Energy-Efficient Resource Management in OFDMA Femtocells. *Le, Long Bao, +, TWC January 2013 180-194*
Random Beamforming with Heterogeneous Users and Selective Feedback: Individual Sum Rate and Individual Scaling Laws. *Huang, Yichao, +, TWC May 2013 2080-2090*
Rendezvous Enhancement in Arbitrary-Duty-Cycled Wireless Sensor Networks. *Chao, Chih-Min, +, TWC August 2013 4080-4091*
Resource Allocation in Autonomous Cellular Networks. *Golkar, Bijan, +, TWC November 2013 5572-5583*
Scheduling Exploiting Frequency and Multi-User Diversity in LTE Downlink Systems. *Niu, Jinping, +, TWC April 2013 1843-1849*
SINR and Throughput Analysis for Random Beamforming Systems with Adaptive Modulation. *Kim, Chanhong, +, TWC April 2013 1460-1471*
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Transmission Schemes for Gaussian Interference Channels with Transmitter Processing Energy. *Liu, Xi, +, TWC September 2013 4756-4765*
Two-Phase Scheduling and Leakage-Based Precoding in Wireless Cellular Networks. *Bendlin, Ralf, +, TWC July 2013 3148-3157*
Wireless Information Transfer with Opportunistic Energy Harvesting. *Liu, Liang, +, TWC January 2013 288-300*

Scheduling algorithms
One Bit Feedback for CDF-Based Scheduling with Resource Sharing Constraints. *Jin, Hu, +, TWC December 2013 6281-6291*

Search problems
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Robust Performance of Spectrum Sensing in Cognitive Radio Networks. *Gong, Shimin, +, TWC May 2013 2217-2227*

Secondary cells
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Security
Relay Selection Schemes for Dual-Hop Networks under Security Constraints with Multiple Eavesdroppers. *Bao, Vo Nguyen Quoc, +, TWC December 2013 6076-6085*

Sensitivity analysis
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Sensor fusion
Collaborative Sensing Management for Cognitive Radio Networks with Reporting Overhead. *Jeon, Wha Sook, +, TWC February 2013 595-605*
Impact of Wireless Channel Uncertainty upon Distributed Detection Systems. *Ahmadi, Hamid R., +, TWC June 2013 2566-2577*
Power Allocation for Robust Distributed Best-Linear-Unbiased Estimation Against Sensing Noise Variance Uncertainty. *Wu, Jwo-Yuh, +, TWC June 2013 2853-2869*
Power Optimized DSTBC Assisted DMF Relaying in Wireless Sensor Networks with Redundant Super Nodes. *Razi, Abolfazl, +, TWC February 2013 636-645*
Spatial-Temporal Opportunity Detection for Spectrum-Heterogeneous Cognitive Radio Networks: Two-Dimensional Sensing. *Wu, Qihui, +, TWC February 2013 516-526*

Sensor placement
A Highly Scalable Key Pre-Distribution Scheme for Wireless Sensor Networks. *Bechkit, Walid, +, TWC February 2013 948-959*
Distributed Angle Estimation for Localization in Wireless Sensor Networks. *Zhang, Weile, +, TWC February 2013 527-537*
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Sensors
An Optimized Random Channel Access Policy in Cognitive Radio Networks under Packet Collision Requirement for Primary Users. *Cho, Hyeonje, +, TWC December 2013 6382-6391*
Opportunistic Spectrum Access for Cognitive Radio Networks withMultiple Secondary Users. *Tan, Sheu-Sheu, +, TWC December 2013 6214-6227*
Optimal Spectrum Access for Energy Harvesting Cognitive Radio Networks. *Park, Sungsoo, +, TWC December 2013 6166-6179*
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Sequential switching
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Servers
Insensitivity of User Distribution in Multicell Networks under General Mobility and Session Patterns. *Bao, Wei, +, TWC December 2013 6244-6254*

Shadow mapping
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Signal classification
A Subspace-Based CFO Estimation Algorithm for General ICI Self-Cancellation Precoded OFDM Systems. *Wang, Yung-Yi, +, TWC August 2013 4110-4117*
Multidimensional Dirichlet Process-Based Non-Parametric Signal Classification for Autonomous Self-Learning Cognitive Radios. *Bkassiny, Mario, +, TWC November 2013 5413-5423*
Second-Order Cyclostationarity of BT-SCLD Signals: Theoretical Developments and Applications to Signal Classification and Blind Parameter Estimation. *Zhang, Q., +, TWC April 2013 1501-1511*

Signal detection
Achieving Near Capacity of Non-Binary LDPC Coded Large MIMO Systems with a Novel Ultra Low-Complexity Soft-Output Detector. *Suthisopapan, Puripong, +, TWC October 2013 5185-5199*
Detection of Temporally Correlated Signals over Multipath Fading Channels. *Huang, Yifei, +, TWC March 2013 1290-1299*
Distributed Cooperative Spectrum Sensing in Mixture of Large and Small Scale Fading Channels. *Reisi, Nima, +, TWC November 2013 5406-5412*
GLRT Approach for Robust Burst Packet Acquisition in Wireless Communications. *Xiao, Zhenyu, +, TWC March 2013 1127-1137*

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Multidimensional Dirichlet Process-Based Non-Parametric Signal Classification for Autonomous Self-Learning Cognitive Radios. *Bkassiny, Mario, +, TWC November 2013 5413-5423*
Novel Adaptive Nonlinear Receivers for UWB Multiple Access Communications. *Niranjayan, S., +, TWC May 2013 2014-2023*
Novel Robust Normality Measure for Sparse Data and its Application for Weak Signal Detection. *Lu, Lu, +, TWC May 2013 2400-2409*
On the Decision Threshold of Eigenvalue Ratio Detector Based on Moments of Joint and Marginal Distributions of Extreme Eigenvalues. *Shakir, Muhammad Zeeshan, +, TWC March 2013 974-983*
Resource Allocation for Device-to-Device Communications Overlaying Two-Way Cellular Networks. *Pei, Yiyang, +, TWC July 2013 3611-3621*
Robust Performance of Spectrum Sensing in Cognitive Radio Networks. *Gong, Shimin, +, TWC May 2013 2217-2227*
Sequential Likelihood Ratio Test under Incomplete Signal Model for Spectrum Sensing. *Chung, Wei-Ho, +, TWC February 2013 494-503*
Signal Detection for OFDM-Based Virtual MIMO Systems under Unknown Doubly Selective Channels, Multiple Interferences and Phase Noises. *Zhong, Ke, +, TWC October 2013 5309-5321*
Spatial-Temporal Opportunity Detection for Spectrum-Heterogeneous Cognitive Radio Networks: Two-Dimensional Sensing. *Wu, Qihui, +, TWC February 2013 516-526*
Spectrum Sensing for Digital Primary Signals in Cognitive Radio: A Bayesian Approach for Maximizing Spectrum Utilization. *Zheng, Shoukang, +, TWC April 2013 1774-1782*

Signal processing
An Efficient Threshold Anonymous Authentication Scheme for Privacy-Preserving Communications. *Ren, Jian, +, TWC March 2013 1018-1025*
Downlink Noncoherent Cooperation without Transmitter Phase Alignment. *Xu, Mingguang, +, TWC August 2013 3920-3931*
Frequency-Selective Joint Tx/Rx I/Q Imbalance Estimation Using Golay Complementary Sequences. *Rodriguez-Avila, R., +, TWC May 2013 2171-2179*
Optimal Randomization of Signal Constellations on the Downlink of a Multiuser DS-CDMA System. *Tutay, Mehmet Emin, +, TWC October 2013 4878-4891*
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Signal processing algorithms
Distributed Clock Skew and Offset Estimation in Wireless Sensor Networks: Asynchronous Algorithm and Convergence Analysis. *Du, Jian, +, TWC November 2013 5908-5917*

Signal to noise ratio
A Binary Space-Time Code for Additional Diversity Gains. *Song, Bongseop, +, TWC November 2013 5780-5787*
Achieving Pareto Optimal Power Tracking Control for Interference Limited Wireless Systems via Multi-Objective H_2/H_infty Optimization. *Lin, Che, +, TWC December 2013 6154-6165*
All-Spectrum Cognitive Networking through Joint Distributed Channelization and Routing. *Ding, Lei, +, TWC November 2013 5394-5405*
An Opportunistic Access Scheme Through Distributed Interference Control for MIMO Cognitive Nodes. *Biagi, Mauro, +, TWC December 2013 6500-6513*
Beamforming Designs Based on an Asymptotic Approach in MISO Interference Channels. *Lee, Sang-Rim, +, TWC December 2013 6430-6438*
CoBRA: Cooperative Beamforming-Based Resource Allocation for Self-Healing in SON-Based Indoor Mobile Communication System. *Lee, Kisong, +, TWC November 2013 5520-5528*
Comparisons of Two Real-Valued MIMO Signal Models and Their Associated ZF-SIC Detectors over the Rayleigh Fading Channel. *Liu, Tsung-Hsien, +, TWC December 2013 6054-6066*
Corrections to "Achievable Rate Region under Joint Distributed Beamforming and Power Allocation for Two-Way Relay Networks" [Nov 12 4026-4037]. *ShahbazPanahi, Shahram, +, TWC October 2013 5373*
Improving Macrocell Downlink Throughput in Rayleigh Fading Channel Environment Through Femtocell User Cooperation. *Zaid, Adem M., +, TWC December 2013 6488-6499*
Minimizing the Complexity of Fast Sphere Decoding of STBCs. *Jithamithra, G. R., +, TWC December 2013 6142-6153*
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One Bit Feedback for CDF-Based Scheduling with Resource Sharing Constraints. *Jin, Hu, +, TWC December 2013 6281-6291*
Orthogonality and Cooperation in Collaborative Spectrum Sensing through MIMO Decision Fusion. *Salvo Rossi, Pierluigi, +, TWC November 2013 5826-5836*
Performance Analysis of Device-to-Device Communications with Dynamic Interference Using Stochastic Petri Nets. *Lei, Lei, +, TWC December 2013 6121-6141*
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Performance Analysis of Underlay Cognitive Multihop Regenerative Relaying Systems with Multiple Primary Receivers. *Hyadi, Amal, +, TWC December 2013 6418-6429*
Power-Efficient System Design for Cellular-Based Machine-to-Machine Communications. *Dhillon, Harpreet S., +, TWC November 2013 5740-5753*
Relay Selection Schemes for Dual-Hop Networks under Security Constraints with Multiple Eavesdroppers. *Bao, Vo Nguyen Quoc, +, TWC December 2013 6076-6085*
Resource Allocation in Autonomous Cellular Networks. *Golkar, Bijan, +, TWC November 2013 5572-5583*
SNR Estimation for Multi-dimensional Cognitive Receiver under Correlated Channel/Noise. *Sharma, Shree Krishna, +, TWC December 2013 6392-6405*
Spectrum Sharing Techniques for Broadcast Cognitive Radio Networks. *Chraiti, Mohaned, +, TWC November 2013 5880-5888*
Subcarriers Suppression Methods for OFDM Systems with Decode-and-Forward Network Coding. *Bartoli, Giulio, +, TWC December 2013 6034-6042*
Two-Dimensional Compressed Correlator for Fast PN Code Acquisition. *Kong, Seung-Hyun, +, TWC November 2013 5859-5867*
Unequal Diversity LDPC Codes for Relay Channels. *Pulini, Paola, +, TWC November 2013 5646-5655*
Utility Maximization Based on Cross-Layer Design for Multi-Service in Macro-Femto Heterogeneous Networks. *Zhang, Xiuning, +, TWC November 2013 5607-5619*

Signalling protocols
Joint Rate Adaptation and Best-Relay Selection Using Limited Feedback. *Yi, Na, +, TWC June 2013 2797-2805*

Silicon
Distributed Clock Parameters Tracking in Wireless Sensor Network. *Luo, Bin, +, TWC December 2013 6464-6475*

Silicon carbide
Non-Regenerative Multi-Way Relaying: Combining the Gains of Network Coding and Joint Processing. *Degenhardt, Holger, +, TWC November 2013 5692-5703*

Singular value decomposition
Limited Feedback-Based Multi-Antenna Relay Broadcast Channels with Block Diagonalization. *Liang, Le, +, TWC August 2013 4092-4101*
Opportunistic Interference Alignment for MIMO Interfering Multiple-Access Channels. *Yang, Hyun Jong, +, TWC May 2013 2180-2192*

Smart phones
Energy-Efficient Design for Downlink OFDMA with Delay-Sensitive Traffic. *Xiong, Cong, +, TWC June 2013 3085-3095*

Smart power grids
Wireless Mesh Network in Smart Grid: Modeling and Analysis for Time Critical Communications. *Xu, Yi, +, TWC July 2013 3360-3371*

Social network services
Cloud-Based Multicasting with Feedback in Mobile Social Networks. *Wang, Yunsheng, +, TWC December 2013 6043-6053*
Privacy-Preserving Distributed Profile Matching in Proximity-Based Mobile Social Networks. *Li, Ming, +, TWC May 2013 2024-2033*

Software radio
A Scalable Architecture for Distributed Transmit Beamforming with Commodity Radios: Design and Proof of Concept. *Quitin, Franeois, +, TWC March 2013 1418-1428*

Source coding
Designing Optimal Multiresolution Quantizers with Error Detecting Codes. *Ho, James, +, TWC July 2013 3588-3599*
On Transmission of Multiresolution Gaussian Sources over Noisy Relay Networks. *Ho, James, +, TWC July 2013 3170-3179*
Optimal Rate Allocation for Distributed Source Coding over Gaussian Multiple Access Channels. *Wang, Tianqi, +, TWC May 2013 2002-2013*
Robust Uplink Communications over Fading Channels with Variable Backhaul Connectivity. *Karasik, Roy, +, TWC November 2013 5788-5799*

Space division multiple access
Downlink MIMO HetNets: Modeling, Ordering Results and Performance Analysis. *Dhillon, Harpreet S., +, TWC October 2013 5208-5222*
Robust Hybrid Beamforming with Phased Antenna Arrays for Downlink SDMA in Indoor 60 GHz Channels. *Wu, Sau-Hsuan, +, TWC September 2013 4542-4557*
Space division multiplexing
Adaptive and Iterative Multi-Branch MMSE Decision Feedback Detection Algorithms for Multi-Antenna Systems. *de Lamare, Rodrigo C., +, TWC October 2013 5294-5308*
Downlink Scheduling with Transmission Strategy Selection for Multi-Cell MIMO Systems. *Niu, Binglai, +, TWC February 2013 736-747*
Frequency Domain Packet Scheduling with MIMO for 3GPP LTE Downlink. *Xu, Yinsheng, +, TWC April 2013 1752-1761*
On Managing Interferences under Heterogeneous CSIT Feedback for Multi-User Transmission. *Ghaffar, Rizwan, +, TWC February 2013 828-839*
Spatial-Division Multiplexing MIMO Detection Based on a Modified Layered OSIC Scheme. *Chang, Dah-Chung, +, TWC September 2013 4258-4271*
Sum Rate Analysis of Two-Way MIMO AF Relay Networks with Zero-Forcing. *Amarasuriya, Gayan, +, TWC September 2013 4456-4469*
Space vehicles
Two-Dimensional Compressed Correlator for Fast PN Code Acquisition. *Kong, Seung-Hyun, +, TWC November 2013 5859-5867*
Space-time block codes
A New Family of Low-Complexity STBCs for Four Transmit Antennas. *Ismail, Amr, +, TWC March 2013 1208-1219*
Asymptotically-Good, Multigroup Decodable Space-Time Block Codes. *Natarajan, Lakshmi Prasad, +, TWC October 2013 5035-5047*
CP-OQAM-OFDM Based SC-FDMA: Adjustable User Bandwidth and Space-Time Coding. *Wang, Wenjin, +, TWC September 2013 4506-4517*
Decoding and Performance Bound of Demodulate-and-Forward Based Distributed Alamouti STBC. *Bansal, Ankur, +, TWC February 2013 702-713*
Diversity Analysis of Analog Network Coding with Multi-User Interferences. *Guan, Wei, +, TWC February 2013 668-679*
Full-Rate Full-Diversity Finite Feedback Space-Time Schemes with Minimum Feedback and Transmission Duration. *Natarajan, Lakshmi Prasad, +, TWC October 2013 5022-5034*
Novel Distributed Quasi-Orthogonal Space-Time Block Codes for Two-Way Two-Antenna Relay Networks. *Gong, Feng-Kui, +, TWC September 2013 4338-4349*
Performance of Systematic RRNS Based Space-Time Block Codes with Probability-Aware Adaptive Demapping. *Sengupta, Avik, +, TWC May 2013 2458-2469*
Power Optimized DSTBC Assisted DMF Relaying in Wireless Sensor Networks with Redundant Super Nodes. *Razi, Abolfazl, +, TWC February 2013 636-645*
Impact of Overhead on Spectral Efficiency of Cooperative Relaying. *Xiao, Yao, +, TWC May 2013 2228-2239*
Multi-Packet Interference in Opportunistic Large Array Broadcasts over Disk Networks. *Jung, Haejoon, +, TWC November 2013 5631-5645*
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Space Time Coding for Backscatter RFID. *Boyer, Colby, +, TWC May 2013 2272-2280*
Unitary Differential Space-Time-Frequency Codes for MB-OFDM UWB Wireless Communications. *Tran, L. C., +, TWC February 2013 862-876*
Spatial light modulators
Performance Analysis of OFDM Systems with Selected Mapping in the Presence of Nonlinearity. *Bae, Kitaek, +, TWC May 2013 2314-2322*
Spectral analysers
Dynamic Spectrum Tracking Using Energy and Cyclostationarity-Based Multi-Variate Non-Parametric Quickest Detection for Cognitive Radios. *Li, Yang, +, TWC July 2013 3522-3532*
Spectral analysis
Distributed Multiuser Sequential Channel Sensing Schemes in Multichannel Cognitive Radio Networks. *Shokri-Ghadikolaei, Hossein, +, TWC May 2013 2055-2067*
Spatial-Division Multiplexing MIMO Detection Based on a Modified Layered OSIC Scheme. *Chang, Dah-Chung, +, TWC September 2013 4258-4271*
Spread spectrum communication
Dynamic Spectrum Refarming with Overlay for Legacy Devices. *Lin, Xingqin, +, TWC October 2013 5282-5293*
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Opportunistic Wireless Energy Harvesting in Cognitive Radio Networks. *Lee, Seunghyun, +, TWC September 2013 4788-4799*
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Random Deployment of Data Collectors for Serving Randomly-Located Sensors. *Kwon, Taesoo, +, TWC June 2013 2556-2565*
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Transmission Control for Compressive Sensing Video over Wireless Channel. *Xiang, Siyuan, +, TWC March 2013 1429-1437*

Stochastic programming
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Subcarrier multiplexing
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Switches
Distributed Inter-BS Cooperation Aided Energy Efficient Load Balancing for Cellular Networks. *Hossain, Md. Farhad, +, TWC November 2013 5929-5939*
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Switching networks
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Distributed Clock Parameters Tracking in Wireless Sensor Network. *Luo, Bin, +, TWC December 2013 6464-6475*
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Optimization of a p-persistent Network Diversity Multiple Access Protocol for a SC-FDE System. *Pereira, M., +, TWC December 2013 5953-5965*
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T

Target tracking
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Telecommunication channels
An F-Test Based Approach for Spectrum Sensing in Cognitive Radio. *Huang, Qi, +, TWC August 2013 4072-4079*
Partial Equivalent Channel Inversion Based Precoding with Mode Adaptation in Multiuser MIMO Systems. *Godana, Bruhtesfa E., +, TWC July 2013 3533-3543*
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Source Power Allocation and Relaying Design for Two-Hop Interference Networks with Relay Conferencing. *Huang, Chuan, +, TWC July 2013 3213-3225*
Structured and Sparse Limited Feedback Codebooks for Multiuser MIMO. *Egan, Malcolm, +, TWC August 2013 3710-3721*

Telecommunication computing
Joint Resource Allocation and User Association for Heterogeneous Wireless Cellular Networks. *Fooladivanda, Dariush, +, TWC January 2013 248-257*
Multidimensional Dirichlet Process-Based Non-Parametric Signal Classification for Autonomous Self-Learning Cognitive Radios. *Bkassiny, Mario, +, TWC November 2013 5413-5423*
Self-Organization in Small Cell Networks: A Reinforcement Learning Approach. *Bennis, Mehdi, +, TWC July 2013 3202-3212*

Telecommunication congestion control
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Distributed Control of Multiple Cognitive Radio Overlay for Primary Queue Stability. *Lapiccirella, Fabio E., +, TWC January 2013 112-122*
Distributed Multiuser Sequential Channel Sensing Schemes in Multichannel Cognitive Radio Networks. *Shokri-Ghadikolaei, Hossein, +, TWC May 2013 2055-2067*
Optimal Scheduling over Time-Varying Channels with Traffic Admission Control: Structural Results and Online Learning Algorithms. *Phan, Khoa T., +, TWC September 2013 4434-4444*

Telecommunication control
A Framework for Distributed Resource Allocation and Admission Control in a Cognitive Digital Home. *Li, Tianming, +, TWC March 2013 984-995*
An Efficient Relay Node Placement Scheme for Two-Way MIMO Multi-Hop Networks in Practical Indoor Environments. *Lertwiram, Namzilp, +, TWC June 2013 2977-2987*
Distributed Multiple Target-SINRs Tracking Power Control in Wireless Multirate Data Networks. *Monemi, Mehdi, +, TWC April 2013 1850-1859*
Distributed Priority-Based Power and Admission Control in Cellular Wireless Networks. *Rasti, Mehdi, +, TWC September 2013 4483-4495*
Distributed Sampling Rate Control for Rechargeable Sensor Nodes with Limited Battery Capacity. *Zhang, Yongmin, +, TWC June 2013 3096-3106*
Energy-Aware Competitive Power Control in Relay-Assisted Interference Wireless Networks. *Zappone, Alessio, +, TWC April 2013 1860-1871*
Minimum-Energy Power and Rate Control for Fair Scheduling in the Cellular Downlink under Flow Level Delay Constraint. *Hossain, M. M. A., +, TWC July 2013 3253-3263*
Optimal Fractional Frequency Reuse and Power Control in the Heterogeneous Wireless Networks. *Li, Qian Clara, +, TWC June 2013 2658-2668*
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Power Allocation and Performance Analysis in Spectrum Sharing Systems with Statistical CSI. *Gong, Xitao, +, TWC April 2013 1819-1831*
Power-Controlled Cognitive Radio Spectrum Allocation with Chemical Reaction Optimization. *Lam, Albert Y.S., +, TWC July 2013 3180-3190*
QoS-Aware and Energy-Efficient Resource Management in OFDMA Femtocells. *Le, Long Bao, +, TWC January 2013 180-194*
Robust Power Control under Channel Uncertainty for Cognitive Radios with Sensing Delays. *Xiao, Hua, +, TWC February 2013 646-655*
Throughput Capacity of MANETs with Power Control and Packet Redundancy. *Liu, Jiajia, +, TWC June 2013 3035-3047*
Transmission Control for Compressive Sensing Video over Wireless Channel. *Xiang, Siyuan, +, TWC March 2013 1429-1437*

Telecommunication network management
A Highly Scalable Key Pre-Distribution Scheme for Wireless Sensor Networks. *Bechkit, Walid, +, TWC February 2013 948-959*
Collaborative Sensing Management for Cognitive Radio Networks with Reporting Overhead. *Jeon, Wha Sook, +, TWC February 2013 595-605*
Collision-Tolerant Media Access Control for Asynchronous Users over Frequency-Selective Channels. *Wang, Gang, +, TWC October 2013 5162-5171*
Energy-Efficient Uplink Multi-User MIMO. *Miao, Guowang, +, TWC May 2013 2302-2313*
Optimal Fractional Frequency Reuse and Power Control in the Heterogeneous Wireless Networks. *Li, Qian Clara, +, TWC June 2013 2658-2668*

Telecommunication network reliability
Adaptive Channel Feedback for Coordinated Beamforming in Heterogeneous Networks. *Yuan, Fang, +, TWC August 2013 3980-3994*
DEEP: Density-Aware Emergency Message Extension Protocol for VANETs. *Chuang, Ming-Chin, +, TWC October 2013 4983-4993*
Delay Analysis for Sparse Vehicular Sensor Networks with Reliability Considerations. *Abdrabou, Atef, +, TWC September 2013 4402-4413*
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Lifetime Analysis of a Two-Hop Amplify-and-Forward Opportunistic Wireless Relay Network. *Mousavifar, Seyed A., +, TWC March 2013 1186-1195*
Minimum Energy Channel Codes for Nanoscale Wireless Communications. *Kocaoglu, Murat, +, TWC April 2013 1492-1500*
On the Energy Efficiency of a Relaying Protocol with HARQ-IR and Distributed Cooperative Beamforming. *Choi, Jinho, +, TWC February 2013 769-781*
On the Performance of Hybrid-ARQ with Incremental Redundancy and with Code Combining over Relay Channels. *Chelli, Ali, +, TWC August 2013 3860-3871*
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Performance Bounds and Latency-Optimal Scheduling for Convergecast in WirelessHART Networks. *Zhang, Haibo, +, TWC June 2013 2688-2696*
Power Optimized DSTBC Assisted DMF Relaying in Wireless Sensor Networks with Redundant Super Nodes. *Razi, Abolfazl, +, TWC February 2013 636-645*
Secure Data Discovery and Dissemination based on Hash Tree for Wireless Sensor Networks. *He, Daojing, +, TWC September 2013 4638-4646*
Spatial-Temporal Opportunity Detection for Spectrum-Heterogeneous Cognitive Radio Networks: Two-Dimensional Sensing. *Wu, Qihui, +, TWC February 2013 516-526*
STCDG: An Efficient Data Gathering Algorithm Based on Matrix Completion for Wireless Sensor Networks. *Cheng, Jie, +, TWC February 2013 850-861*
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End-to-End Secure Multi-Hop Communication with Untrusted Relays. *He, Xiang, +, TWC January 2013 1-11*
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Optimal Cooperative Jamming for Multiuser Broadcast Channel with Multiple Eavesdroppers. *Yang, Jun, +, TWC June 2013 2840-2852*
Physical Layer Security in Cellular Networks: A Stochastic Geometry Approach. *Wang, He, +, TWC June 2013 2776-2787*
Power Allocation and Time-Domain Artificial Noise Design for Wiretap OFDM with Discrete Inputs. *Qin, Haohao, +, TWC June 2013 2717-2729*
Secure Wireless Multicast for Delay-Sensitive Data via Network Coding. *Tran, Tuan T., +, TWC July 2013 3372-3387*
Target Detection in Bistatic Radar Networks: Node Placement and Repeated Security Game. *Tang, Ling, +, TWC March 2013 1279-1289*

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Optimal Randomization of Signal Constellations on the Downlink of a Multiuser DS-CDMA System. *Tutay, Mehmet Emin, +, TWC October 2013 4878-4891*

Performance of QAM Signaling over TWDP Fading Channels. *Dixit, Dharmendra, +, TWC April 2013 1794-1799*

Quantized Ergodic Radio Resource Allocation in OFDMA-Based Cognitive DF Relay-Assisted Networks. *Mokari, Nader, +, TWC October 2013 5110-5123*

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Single-Carrier Frequency-Domain Equalizer with Multi-Antenna Transmit Diversity. *Mehana, Ahmed Hesham, +, TWC January 2013 388-397*

SINR Balancing Techniques in Coordinated Multi-Cell Downlink Systems. *Park, Haewook, +, TWC February 2013 626-635*

Telecommunication switching

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Telecommunication traffic

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Attachment-Learning for Multi-Channel Allocation in Distributed OFDMA-Based Networks. *Wang, Lu, +, TWC April 2013 1712-1721*

Cognitive Hybrid Division Duplex for Two-Tier Femtocell Networks. *Soh, Yong Sheng, +, TWC October 2013 4852-4865*

Dynamic eICIC — A Proactive Strategy for Improving Spectral Efficiencies of Heterogeneous LTE Cellular Networks by Leveraging User Mobility and Traffic Dynamics. *Vasudevan, Subramanian, +, TWC October 2013 4956-4969*

Energy Efficiency Evaluation of Cellular Networks Based on Spatial Distributions of Traffic Load and Power Consumption. *Xiang, Lin, +, TWC March 2013 961-973*

Impact of Primary User Traffic on Adaptive Transmission for Cognitive Radio with Partial Relay Selection. *Rao, Anlei, +, TWC March 2013 1162-1172*

Improving Secrecy Rate via Spectrum Leasing for Friendly Jamming. *Stanojev, Igor, +, TWC January 2013 134-145*

Load-Aware Modeling and Analysis of Heterogeneous Cellular Networks. *Dhillon, Harpreet S., +, TWC April 2013 1666-1677*

Minimum-Energy Power and Rate Control for Fair Scheduling in the Cellular Downlink under Flow Level Delay Constraint. *Hossain, M. M. A., +, TWC July 2013 3253-3263*

Modelling and Analysis of an Integrated Scheduling Scheme with Heterogeneous LRD and SRD Traffic. *Jin, Xiaolong, +, TWC June 2013 2598-2607*

On Optimizing Green Energy Utilization for Cellular Networks with Hybrid Energy Supplies. *Han, Tao, +, TWC August 2013 3872-3882*

Optimal Power and Range Adaptation for Green Broadcasting. *Luo, Shixin, +, TWC September 2013 4592-4603*

QoS-Aware and Energy-Efficient Resource Management in OFDMA Femtocells. *Le, Long Bao, +, TWC January 2013 180-194*

Resource Allocation for QoS Support in Wireless Mesh Networks. *Kim, Tae-Suk, +, TWC May 2013 2046-2054*

STCDG: An Efficient Data Gathering Algorithm Based on Matrix Completion for Wireless Sensor Networks. *Cheng, Jie, +, TWC February 2013 850-861*

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Traffic-Aware Base Station Sleeping Control and Power Matching for Energy-Delay Tradeoffs in Green Cellular Networks. *Wu, Jian, +, TWC August 2013 4196-4209*

Transient Analysis of Data Traffic in Cognitive Radio Networks: A Non-Equilibrium Statistical Mechanics Approach. *Li, Husheng, +, TWC September 2013 4658-4667*

Upper Bounds to the Performance of Cooperative Traffic Relaying in Wireless Linear Networks. *Nordio, Alessandro, +, TWC March 2013 1-9*

Temperature sensors

Transmission Control for Compressive Sensing Video over Wireless Channel. *Xiang, Siyuan, +, TWC March 2013 1429-1437*

Testing

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Throughput

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An Optimized Random Channel Access Policy in Cognitive Radio Networks under Packet Collision Requirement for Primary Users. *Cho, Hyeonje, +, TWC December 2013 6382-6391*

CoBRA: Cooperative Beamforming-Based Resource Allocation for Self-Healing in SON-Based Indoor Mobile Communication System. *Lee, Kisong, +, TWC November 2013 5520-5528*

Dimensioning and Profit Sharing in Hybrid LTE/DVB Systems to Offer Mobile TV Services. *Razzac, Amal Abdel, +, TWC December 2013 6314-6327*

Improving Macrocell Downlink Throughput in Rayleigh Fading Channel Environment Through Femtocell User Cooperation. *Zaid, Adem M., +, TWC December 2013 6488-6499*

One Bit Feedback for CDF-Based Scheduling with Resource Sharing Constraints. *Jin, Hu, +, TWC December 2013 6281-6291*

Opportunistic Spectrum Access for Cognitive Radio Networks withMultiple Secondary Users. *Tan, Sheu-Sheu, +, TWC December 2013 6214-6227*

Optimal Spectrum Access for Energy Harvesting Cognitive Radio Networks. *Park, Sungsoo, +, TWC December 2013 6166-6179*

Optimization of a p-persistent Network Diversity Multiple Access Protocol for a SC-FDE System. *Pereira, M., +, TWC December 2013 5953-5965*

Robust Uplink Communications over Fading Channels with Variable Backhaul Connectivity. *Karasik, Roy, +, TWC November 2013 5788-5799*

Simultaneous Transmission and Reception: Algorithm, Design and System Level Performance. *Choi, Yang-Seok, +, TWC December 2013 5992-6010*

Unsaturated Throughput Analysis of Physical-Layer Network Coding Based on IEEE 802.11 Distributed Coordination Function. *Lin, Shijun, +, TWC November 2013 5544-5556*

Time division multiple access

A Non-Convex Distributed Optimization Framework and its Application to Wireless Ad-hoc Networks. *Tychogiorgos, Georgios, +, TWC September 2013 4286-4296*

Achievable Degrees of Freedom on MIMO Two-way Relay Interference Channels. *Lee, Kwangwon, +, TWC April 2013 1472-1480*

Broadcast Scheduling for Wireless Mesh Networks Based on Transmission Demand. *Chung, Jong-Moon, +, TWC February 2013 606-615*

Joint Network-Channel Coding with Rateless Code over Multiple Access Relay System. *Zhang, Yu, +, TWC January 2013 320-332*

Optimal Rate Allocation for Distributed Source Coding over Gaussian Multiple Access Channels. *Wang, Tianqi, +, TWC May 2013 2002-2013*

Performance Bounds and Latency-Optimal Scheduling for Convergecast in WirelessHART Networks. *Zhang, Haibo, +, TWC June 2013 2688-2696*

Random Access Compressed Sensing over Fading and Noisy Communication Channels. *Fazel, Fatemeh, +, TWC May 2013 2114-2125*

Time division multiplexing

Front-End Narrowband Interference Mitigation for DS-UWB Receiver. *Xiong, Hailiang, +, TWC September 2013 4328-4337*

Time domain analysis

A Subspace-Based CFO Estimation Algorithm for General ICI Self-Cancellation Precoded OFDM Systems. *Wang, Yung-Yi, +, TWC August 2013 4110-4117*

Blind Channel Shortening for Asynchronous SC-IFDMA Systems with CFOs. *Darsena, Donatella, +, TWC November 2013 5529-5543*

Collision-Tolerant Media Access Control for Asynchronous Users over Frequency-Selective Channels. *Wang, Gang, +, TWC October 2013 5162-5171*

Dynamic eICIC — A Proactive Strategy for Improving Spectral Efficiencies of Heterogeneous LTE Cellular Networks by Leveraging User Mobility and

Traffic Dynamics. *Vasudevan, Subramanian, +, TWC October 2013 4956-4969*
Optimal Tone Space Selection Scheme for OFDMA-VTS in Carrier Aggregation. *Lim, Sungmook, +, TWC November 2013 5679-5691*
Power Allocation and Time-Domain Artificial Noise Design for Wiretap OFDM with Discrete Inputs. *Qin, Haohao, +, TWC June 2013 2717-2729*

Time series analysis
Agnostic Diagnosis: Discovering Silent Failures in Wireless Sensor Networks. *Miao, Xin, +, TWC December 2013 6067-6075*

Time varying channels
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Estimation of Fast Time-Varying Channels in OFDM Systems Using Two-Dimensional Prolate. *Pena-Campos, F., +, TWC February 2013 898-907*
Impact of Unknown Time-varying Fading on the Information Rates of Amplify and Forward Cooperative Systems. *Mohammadi, Mohammadali, +, TWC January 2013 146-157*
Optimal Scheduling over Time-Varying Channels with Traffic Admission Control: Structural Results and Online Learning Algorithms. *Phan, Khoa T., +, TWC September 2013 4434-4444*
Robust Power Control under Channel Uncertainty for Cognitive Radios with Sensing Delays. *Xiao, Hua, +, TWC February 2013 646-655*
The Diversity Potential of Relay Selection with Practical Channel Estimation. *Michalopoulos, Diomidis S., +, TWC February 2013 481-493*

Time-frequency analysis
Multi-User MIMO Scheduling in the Fourth Generation Cellular Uplink. *Prasad, Narayan, +, TWC September 2013 4272-4285*

Time-of-arrival estimation
Joint Node Localization and Time-Varying Clock Synchronization in Wireless Sensor Networks. *Ahmad, Aitzaz, +, TWC October 2013 5322-5333*
Optimality Analysis of Sensor-Source Geometries in Heterogeneous Sensor Networks. *Meng, Wei, +, TWC April 2013 1958-1967*
Two-Dimensional ESPRIT-Like Shift-Invariant TOA Estimation Algorithm Using Multi-Band Chirp Signals Robust to Carrier Frequency Offset. *Oh, Daegun, +, TWC July 2013 3130-3139*
Ultra-Wideband TOA Estimation in the Presence of Clock Frequency Offset. *D'Amico, Antonio A., +, TWC April 2013 1606-1616*
Urban Location Estimation for Mobile Cellular Networks: A Fuzzy-Tuned Hybrid Systems Approach. *Ho, Tan-Jan, +, TWC May 2013 2389-2399*

Timing
Blind Symbol Timing and CFO Estimation for OFDM/OQAM Systems. *Mattera, Davide, +, TWC January 2013 268-277*

Topology
Performance Analysis of Linear Cooperative Multi-Hop Networks Subject to Composite Shadowing-Fading. *Bacha, Mudasar, +, TWC November 2013 5850-5858*
Reconfiguring Networked Infrastructures by Adding Wireless Communication Capabilities to Selected Nodes. *Wang, Hengtao, +, TWC September 2013 4518-4528*
Topology Control with vMIMO Communication in Wireless Sensor Networks. *Xu, Hongli, +, TWC December 2013 6328-6339*

Trajectory control
Co-Optimization of Communication and Motion Planning of a Robotic Operation under Resource Constraints and in Fading Environments. *Yan, Yuan, +, TWC April 2013 1562-1572*

Transceivers
Probabilistic QoS Constrained Robust Downlink Multiuser MIMO Transceiver Design with Arbitrarily Distributed Channel Uncertainty. *He, Xin, +, TWC December 2013 6292-6302*
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Transforms
Structured and Sparse Limited Feedback Codebooks for Multiuser MIMO. *Egan, Malcolm, +, TWC August 2013 3710-3721*

Transient response
Efficient OFDM Channel Estimation via an Information Criterion. *Tomasoni, Alessandro, +, TWC March 2013 1352-1362*
UHF Propagation Along a Cargo Hold on Board a Merchant Ship. *Mao, Xiao Hong, +, TWC January 2013 22-30*

Transmitters
Design and Analysis of Wireless Communication Systems Using Diffusion-Based Molecular Communication Among Bacteria. *Einolghozati, Arash, +, TWC December 2013 6096-6105*
Dynamic Partial Cooperative MIMO System for Delay-Sensitive Applications with Limited Backhaul Capacity. *Cui, Ying, +, TWC November 2013 5889-5895*
Subspace Quantization Based Combining for Limited Feedback Block-Diagonalization. *Schwarz, Stefan, +, TWC November 2013 5868-5879*
The Ergodic Rate Density of ALOHA Wireless Ad-Hoc Networks. *George, Yaniv, +, TWC December 2013 6340-6351*
User Classification and Scheduling in LTE Downlink Systems with Heterogeneous User Mobilities. *Niu, Jinping, +, TWC December 2013 6205-6213*

Transmitting antennas
A New Family of Low-Complexity STBCs for Four Transmit Antennas. *Ismail, Amr, +, TWC March 2013 1208-1219*
Adaptive and Iterative Multi-Branch MMSE Decision Feedback Detection Algorithms for Multi-Antenna Systems. *de Lamare, Rodrigo C., +, TWC October 2013 5294-5308*
Adaptive Channel Feedback for Coordinated Beamforming in Heterogeneous Networks. *Yuan, Fang, +, TWC August 2013 3980-3994*
An Opportunistic Access Scheme Through Distributed Interference Control for MIMO Cognitive Nodes. *Biagi, Mauro, +, TWC December 2013 6500-6513*
Asymptotically-Good, Multigroup Decodable Space-Time Block Codes. *Natarajan, Lakshmi Prasad, +, TWC October 2013 5035-5047*
Downlink MIMO HetNets: Modeling, Ordering Results and Performance Analysis. *Dhillon, Harpreet S., +, TWC October 2013 5208-5222*
Energy Efficiency Optimization for MIMO Broadcast Channels. *Xu, Jie, +, TWC February 2013 690-701*
Exact Joint Distribution Analysis of Zero-Forcing V-BLAST Gains with Greedy Ordering. *Ozyurt, Serdar, +, TWC November 2013 5377-5385*
Generalised Pre-Coding Aided Spatial Modulation. *Zhang, Rong, +, TWC November 2013 5434-5443*
Interference Alignment in a Poisson Field of MIMO Femtocells. *Nguyen, Tri Minh, +, TWC June 2013 2633-2645*
Joint Antenna Selection and Frequency-Domain Scheduling in OFDMA Systems with Imperfect Estimates from Dual Pilot Training Scheme. *Kashyap, Salil, +, TWC July 2013 3473-3483*
Joint Beamforming and Power Control in Coordinated Multicell: Max-Min Duality, Effective Network and Large System Transition. *Huang, Yichao, +, TWC June 2013 2730-2742*
Joint Precoder Design for Distributed Transmission of Correlated Sources in Sensor Networks. *Fang, Jun, +, TWC June 2013 2918-2929*
Joint Switched Multi-Spectrum and Transmit Antenna Diversity for Spectrum Sharing Systems. *Sayed, Mostafa, +, TWC October 2013 4827-4839*
Maximum Achievable Capacity in Airborne MIMO Communications with Arbitrary Alignments of Linear Transceiver Antenna Arrays. *Su, Weifeng, +, TWC November 2013 5584-5593*
Multiuser Diversity in Interfering Broadcast Channels: Achievable Degrees of Freedom and User Scaling Law. *Lee, Jung Hoon, +, TWC November 2013 5837-5849*
On the Achievable DoF and User Scaling Law of Opportunistic Interference Alignment in 3-Transmitter MIMO Interference Channels. *Lee, Jung Hoon, +, TWC June 2013 2743-2753*
Opportunistic Interference Alignment for MIMO Interfering Multiple-Access Channels. *Yang, Hyun Jong, +, TWC May 2013 2180-2192*
Outage Probability and Energy Efficiency of Cooperative MIMO with Antenna Selection. *Brante, Glauber, +, TWC November 2013 5896-5907*
Performance of TAS/MRC Wireless Systems Under Hoyt Fading Channels. *Pena-Martin, Juan P., +, TWC July 2013 3350-3359*
Quantized CSI-Based Tomlinson-Harashima Precoding in Multiuser MIMO Systems. *Sun, Liang, +, TWC March 2013 1118-1126*
Single-Carrier Frequency-Domain Equalizer with Multi-Antenna Transmit Diversity. *Mehana, Ahmed Hesham, +, TWC January 2013 388-397*
SINR and Throughput Analysis for Random Beamforming Systems with Adaptive Modulation. *Kim, Chanhong, +, TWC April 2013 1460-1471*
Spectrum Sharing Single-Carrier in the Presence of Multiple Licensed Receivers. *Kim, Kyeong Jin, +, TWC October 2013 5223-5235*

Trees (mathematics)
Optimal Tree Pruning for Location Update in Machine-to-Machine Communications. *Gau, Rung-Hung, +, TWC June 2013 2620-2632*
Reconstruction of a Secure Authentication Scheme for Vehicular Ad Hoc Networks Using a Binary Authentication Tree. *Shim, Kyung-Ah, +, TWC November 2013 5386-5393*

U

Ultra wideband communication
Algebraic Approach for Robust Localization with Heterogeneous Information. *Macagnano, Davide, +, TWC October 2013 5334-5345*
Front-End Narrowband Interference Mitigation for DS-UWB Receiver. *Xiong, Hailiang, +, TWC September 2013 4328-4337*
Generalized Code-Multiplexing for UWB Communications. *Zhou, Qi, +, TWC June 2013 2806-2816*
Novel Adaptive Nonlinear Receivers for UWB Multiple Access Communications. *Niranjayan, S., +, TWC May 2013 2014-2023*
Ultra-Wideband TOA Estimation in the Presence of Clock Frequency Offset. *D'Amico, Antonio A., +, TWC April 2013 1606-1616*
Unitary Differential Space-Time-Frequency Codes for MB-OFDM UWB Wireless Communications. *Tran, L. C., +, TWC February 2013 862-876*

Underwater acoustic communication
Asynchronous Multiuser Reception for OFDM in Underwater Acoustic Communications. *Wang, Zhaohui, +, TWC March 2013 1050-1061*
The Throughput of Underwater Networks: Analysis and Validation using a Ray Tracing Simulator. *Stamatiou, Kostas, +, TWC March 2013 1108-1117*
The Underwater Selective Repeat Error Control Protocol for Multiuser Acoustic Networks: Design and Parameter Optimization. *Azad, Saiful, +, TWC October 2013 4866-4877*

Underwater acoustic propagation
The Throughput of Underwater Networks: Analysis and Validation using a Ray Tracing Simulator. *Stamatiou, Kostas, +, TWC March 2013 1108-1117*

Unicast
Dimensioning and Profit Sharing in Hybrid LTE/DVB Systems to Offer Mobile TV Services. *Razzac, Amal Abdel, +, TWC December 2013 6314-6327*

Unsupervised learning
Multidimensional Dirichlet Process-Based Non-Parametric Signal Classification for Autonomous Self-Learning Cognitive Radios. *Bkassiny, Mario, +, TWC November 2013 5413-5423*

Uplink
A Unified Graph Labeling Algorithm for Consecutive-Block Channel Allocation in SC-FDMA. *Lei, Lei, +, TWC November 2013 5767-5779*
Blind Channel Shortening for Asynchronous SC-IFDMA Systems with CFOs. *Darsena, Donatella, +, TWC November 2013 5529-5543*
Robust Uplink Communications over Fading Channels with Variable Backhaul Connectivity. *Karasik, Roy, +, TWC November 2013 5788-5799*

Upper bound
Diversity and Delay Analysis of Buffer-Aided BICM-OFDM Relaying. *Islam, Toufiqul, +, TWC November 2013 5506-5519*
Maximum Achievable Capacity in Airborne MIMO Communications with Arbitrary Alignments of Linear Transceiver Antenna Arrays. *Su, Weifeng, +, TWC November 2013 5584-5593*
Robust Uplink Communications over Fading Channels with Variable Backhaul Connectivity. *Karasik, Roy, +, TWC November 2013 5788-5799*

V

Vehicular ad hoc networks
DEEP: Density-Aware Emergency Message Extension Protocol for VANETs. *Chuang, Ming-Chin, +, TWC October 2013 4983-4993*
Delay Analysis for Sparse Vehicular Sensor Networks with Reliability Considerations. *Abdrabou, Atef, +, TWC September 2013 4402-4413*
Reconstruction of a Secure Authentication Scheme for Vehicular Ad Hoc Networks Using a Binary Authentication Tree. *Shim, Kyung-Ah, +, TWC November 2013 5386-5393*

Velocity control
Co-Optimization of Communication and Motion Planning of a Robotic Operation under Resource Constraints and in Fading Environments. *Yan, Yuan, +, TWC April 2013 1562-1572*

Velocity measurement
Mobility-Aided Wireless Sensor Network Localization via Semidefinite Programming. *Salari, Soheil, +, TWC December 2013 5966-5978*

Video streaming
Energy and Content Aware Multi-Homing Video Transmission in Heterogeneous Networks. *Ismail, Muhammad, +, TWC July 2013 3600-3610*

W

Waveform analysis
Near-Optimal Waveform Design for Sum Rate Optimization in Time-Reversal Multiuser Downlink Systems. *Yang, Yu-Han, +, TWC January 2013 346-357*
Optimal Binary/Quaternary Adaptive Signature Design for Code-Division Multiplexing. *Wei, Lili, +, TWC February 2013 840-849*

Waveguides
Optimal Deployment for Magnetic Induction-Based Wireless Networks in Challenged Environments. *Sun, Zhi, +, TWC March 2013 996-1005*

White noise
Novel Distributed Quasi-Orthogonal Space-Time Block Codes for Two-Way Two-Antenna Relay Networks. *Gong, Feng-Kui, +, TWC September 2013 4338-4349*

WiMax
Estimation of Fast Time-Varying Channels in OFDM Systems Using Two-Dimensional Prolate. *Pena-Campos, F., +, TWC February 2013 898-907*
Multi-Layer Iterative LDPC Decoding for Broadband Wireless Access Networks: A Recursive Shortening Algorithm. *Rong, Bo, +, TWC March 2013 1320-1327*
Optimization of Soft Frequency Reuse for Irregular LTE Macrocellular Networks. *Gonzalez G, David, +, TWC May 2013 2410-2423*

Wireless channels
A Markov Decision Theoretic Approach to Pilot Allocation and Receive Antenna Selection. *Stephen, Reuben George, +, TWC August 2013 3813-3823*
A Novel Interference Alignment Scheme Based on Sequential Antenna Switching in Wireless Networks. *Zhao, Nan, +, TWC October 2013 5008-5021*
A Practical Cooperative Multicell MIMO-OFDMA Network Based on Rank Coordination. *Clerckx, Bruno, +, TWC April 2013 1481-1491*
An Efficient Relay Node Placement Scheme for Two-Way MIMO Multi-Hop Networks in Practical Indoor Environments. *Lertwiram, Namzilp, +, TWC June 2013 2977-2987*
Bilayer Protograph Codes for Half-Duplex Relay Channels. *Van Nguyen, Thuy, +, TWC May 2013 1969-1977*
Capacity Region Bounds and Resource Allocation for Two-Way OFDM Relay Channels. *He, Fei, +, TWC June 2013 2904-2917*
Characteristics of the Hexapolarized MIMO Channel over Free-Space and Three Non-Free-Space Scenarios. *Piao, Dazhi, +, TWC August 2013 4174-4182*
Collaborative Sensing Management for Cognitive Radio Networks with Reporting Overhead. *Jeon, Wha Sook, +, TWC February 2013 595-605*
Compressive Coded Modulation for Seamless Rate Adaptation. *Cui, Hao, +, TWC October 2013 4892-4904*
Coping with a Smart Jammer in Wireless Networks: A Stackelberg Game Approach. *Yang, Dejun, +, TWC August 2013 4038-4047*
Distributed Control of Multiple Cognitive Radio Overlay for Primary Queue Stability. *Lapiccirella, Fabio E., +, TWC January 2013 112-122*
Distributed Exploitation of Spectrum and Channel State Information for Channel Reservation and Selection in Interweave Cognitive Radio Networks. *Wang, Shu-Hsien, +, TWC July 2013 3458-3472*
Distributed Full-Duplex via Wireless Side-Channels: Bounds and Protocols. *Bai, Jingwen, +, TWC August 2013 4162-4173*
Distributed Multiple Target-SINRs Tracking Power Control in Wireless Multirate Data Networks. *Monemi, Mehdi, +, TWC April 2013 1850-1859*
Distributed Multiuser Sequential Channel Sensing Schemes in Multichannel Cognitive Radio Networks. *Shokri-Ghadikolaei, Hossein, +, TWC May 2013 2055-2067*
Diversity Analysis of Analog Network Coding with Multi-User Interferences. *Guan, Wei, +, TWC February 2013 668-679*
Diversity-Multiplexing Trade-off for Coordinated Direct and Relay Schemes. *Thai, Chan Dai Truyen, +, TWC July 2013 3289-3299*
Dynamic Coalition Formation for Network MIMO in Small Cell Networks. *Guruacharya, Sudarshan, +, TWC October 2013 5360-5372*
Dynamic eICIC — A Proactive Strategy for Improving Spectral Efficiencies of Heterogeneous LTE Cellular Networks by Leveraging User Mobility and Traffic Dynamics. *Vasudevan, Subramanian, +, TWC October 2013 4956-4969*
Energy Efficiency Evaluation of Cellular Networks Based on Spatial Distributions of Traffic Load and Power Consumption. *Xiang, Lin, +, TWC March 2013 961-973*

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Energy-Efficient Transmissions of Bursty Data Packets with Strict Deadlines over Time-Varying Wireless Channels. *Wang, Xin,* +, *TWC May 2013 2533-2543*
Energy-Optimal Mobile Cloud Computing under Stochastic Wireless Channel. *Zhang, Weiwen,* +, *TWC September 2013 4569-4581*
Enhanced Limited Feedback Schemes for DL MU-MIMO ZF Precoding. *Wang, Wei,* +, *TWC April 2013 1554-1561*
FADE: Forwarding Assessment Based Detection of Collaborative Grey Hole Attacks in WMNs. *Liu, Qiang,* +, *TWC October 2013 5124-5137*
Full-Duplex Cooperative Cognitive Radio with Transmit Imperfections. *Zheng, Gan,* +, *TWC May 2013 2498-2511*
GLRT Approach for Robust Burst Packet Acquisition in Wireless Communications. *Xiao, Zhenyu,* +, *TWC March 2013 1127-1137*
How to Select Optimal Gateway in Multi-Domain Wireless Networks: Alternative Solutions without Learning. *Zhong, Sheng,* +, *TWC November 2013 5620-5630*
Impact of Wireless Channel Uncertainty upon Distributed Detection Systems. *Ahmadi, Hamid R.,* +, *TWC June 2013 2566-2577*
Interference Pricing for SINR-Based Random Access Game. *Cheung, Man Hon,* +, *TWC May 2013 2292-2301*
Joint OSC Receiver for Evolved GSM/EDGE Systems. *Molteni, Daniele,* +, *TWC June 2013 2608-2619*
Joint Spectrum Sensing and Access Evolutionary Game in Cognitive Radio Networks. *Jiang, Chunxiao,* +, *TWC May 2013 2470-2483*
Joint Wireless Information and Energy Transfer in a Two-User MIMO Interference Channel. *Park, Jaehyun,* +, *TWC August 2013 4210-4221*
Large System Analysis of Cooperative Multi-Cell Downlink Transmission via Regularized Channel Inversion with Imperfect CSIT. *Zhang, Jun,* +, *TWC October 2013 4801-4813*
Minimum BER Analysis in Interference Channels. *Mili, Mohammad Robat,* +, *TWC July 2013 3191-3201*
Modelling and Analysis of an Integrated Scheduling Scheme with Heterogeneous LRD and SRD Traffic. *Jin, Xiaolong,* +, *TWC June 2013 2598-2607*
On the Achievable Degrees of Freedom of a K-User MIMO Interference Channel with a MIMO Relay. *Chen, Sujie,* +, *TWC August 2013 4118-4128*
On the Behavior of RObust Header Compression U-mode in Channels with Memory. *Hermenier, Romain,* +, *TWC August 2013 3722-3732*
On the Performance of Hybrid-ARQ with Incremental Redundancy and with Code Combining over Relay Channels. *Chelli, Ali,* +, *TWC August 2013 3860-3871*
One-Bit CSI Feedback Selection Schemes for Energy-Efficient Multiuser and Multirelay Systems. *Le, Viet-Anh,* +, *TWC March 2013 1149-1161*
Opportunistic Interference Alignment for MIMO Interfering Multiple-Access Channels. *Yang, Hyun Jong,* +, *TWC May 2013 2180-2192*
Parametrization Based Limited Feedback Design for Correlated MIMO Channels Using New Statistical Models. *Godana, Bruhtesfa E.,* +, *TWC October 2013 5172-5184*
Performance Analysis of Opportunistic Relaying Scheme with Outdated Channel Information. *Kim, Seokjung,* +, *TWC February 2013 538-549*
Performance Bounds and Latency-Optimal Scheduling for Convergecast in WirelessHART Networks. *Zhang, Haibo,* +, *TWC June 2013 2688-2696*
Performance of Linear Receivers in Frequency-Selective MIMO Channels. *Mehana, Ahmed Hesham,* +, *TWC June 2013 2697-2705*
Piggyback Retransmissions over Wireless MIMO Channels: Shared Hybrid-ARQ (SHARQ) for Bandwidth Efficiency. *Liang, Xiao,* +, *TWC August 2013 3770-3782*
Power Allocation and Performance Analysis in Spectrum Sharing Systems with Statistical CSI. *Gong, Xitao,* +, *TWC April 2013 1819-1831*
Power Allocation and Time-Domain Artificial Noise Design for Wiretap OFDM with Discrete Inputs. *Qin, Haohao,* +, *TWC June 2013 2717-2729*
Power Allocation in Multi-User Wireless Relay Networks through Bargaining. *Cao, Qian,* +, *TWC June 2013 2870-2882*
Practical Rate Adaptation for Very High Throughput WLANs. *Makhlouf, Arafet Ben,* +, *TWC February 2013 908-916*
Prior Zero Forcing for Cognitive Relaying. *Song, S. H.,* +, *TWC February 2013 938-947*
Proportional Fair Resource Allocation on an Energy Harvesting Downlink. *Tekbiyik, Neyre,* +, *TWC April 2013 1699-1711*
Random Deployment of Data Collectors for Serving Randomly-Located Sensors. *Kwon, Taesoo,* +, *TWC June 2013 2556-2565*
Resource Allocation for OFDMA Cognitive Radios Under Channel Uncertainty. *Kim, Seung-Jun,* +, *TWC July 2013 3578-3587*
Resource Allocation for QoS Support in Wireless Mesh Networks. *Kim, Tae-Suk,* +, *TWC May 2013 2046-2054*
Robust and Efficient Multi-Cell Cooperation under Imperfect CSI and Limited Backhaul. *Rost, Peter,* +, *TWC April 2013 1910-1922*
Robust Hybrid Beamforming with Phased Antenna Arrays for Downlink SDMA in Indoor 60 GHz Channels. *Wu, Sau-Hsuan,* +, *TWC September 2013 4542-4557*
Single Relay Selection Schemes for Broadcast Networks. *Hakim, Hela,* +, *TWC June 2013 2646-2657*
SINR Balancing Techniques in Coordinated Multi-Cell Downlink Systems. *Park, Haewook,* +, *TWC February 2013 626-635*
Spectral-Energy Efficiency Tradeoff in Relay-Aided Cellular Networks. *Ku, Ivan,* +, *TWC October 2013 4970-4982*
Spectrum Sensing Using a Hidden Bivariate Markov Model. *Nguyen, Thao,* +, *TWC September 2013 4582-4591*
Stochastic Performance Analysis of a Wireless Finite-State Markov Channel. *Zheng, Kan,* +, *TWC February 2013 782-793*
Symbol and Bit Mapping Optimization for Physical-Layer Network Coding with Pulse Amplitude Modulation. *Chang, Ronald Y.,* +, *TWC August 2013 3956-3967*
TC-Aloha: A Novel Access Scheme for Wireless Networks with Transmit-Only Nodes. *Galluccio, Laura,* +, *TWC August 2013 3696-3709*
Transmission Control for Compressive Sensing Video over Wireless Channel. *Xiang, Siyuan,* +, *TWC March 2013 1429-1437*
True-MCSA: A Framework for Truthful Double Multi-Channel Spectrum Auctions. *Chen, Zhili,* +, *TWC August 2013 3838-3850*
Under-determined Training and Estimation for Distributed Transmit Beamforming Systems. *Zhang, Jian A.,* +, *TWC April 2013 1936-1946*

Wireless LAN

Characterization of the 5-GHz Elevator Shaft Channel. *Sun, Ruoyu,* +, *TWC October 2013 5138-5145*
Design and Analysis of an Acknowledgment-Aware Asynchronous MPR MAC Protocol for Distributed WLANs. *Mukhopadhyay, Arpan,* +, *TWC May 2013 2068-2079*
DT-MAC: An Efficient and Scalable Medium Access Control Protocol for Wireless Networks. *Teymoori, Peyman,* +, *TWC March 2013 1268-1278*
Efficient OFDM Channel Estimation via an Information Criterion. *Tomasoni, Alessandro,* +, *TWC March 2013 1352-1362*
Errata to the paper "A New Queueing Model for QoS Analysis of IEEE 802.11 DCF with Finite Buffer and Load" [Aug 10 2664-2675]. *Liu, Ren Ping,* +, *TWC October 2013 5374*
Exact Formulations for the Throughput of IEEE 802.11 DCF in Hoyt, Rice, and Nakagami-m Fading Channels. *Leonardo, Elvio J.,* +, *TWC May 2013 2261-2271*
Modeling and Analysis of Cognitive Radio Based IEEE 802.22 Wireless Regional Area Networks. *Tadayon, Navid,* +, *TWC September 2013 4363-4375*
Offloading in Heterogeneous Networks: Modeling, Analysis, and Design Insights. *Singh, Sarabjot,* +, *TWC May 2013 2484-2497*
Parametrization Based Limited Feedback Design for Correlated MIMO Channels Using New Statistical Models. *Godana, Bruhtesfa E.,* +, *TWC October 2013 5172-5184*
Performance Analysis of Packet Aggregation for IEEE 802.11 PCF MAC-Based Wireless Networks. *Chou, Kuan-Hung,* +, *TWC April 2013 1441-1447*
Practical Rate Adaptation for Very High Throughput WLANs. *Makhlouf, Arafet Ben,* +, *TWC February 2013 908-916*
The Cost of Mitigating Power Law Delay in Random Access Networks. *Bi, Suzhi,* +, *TWC September 2013 4612-4626*
Throughput Analysis of Primary and Secondary Networks in a Shared IEEE 802.11 System. *Kumar, Santhosh,* +, *TWC March 2013 1006-1017*
Throughput Optimization of Heterogeneous IEEE 802.11 DCF Networks. *Gao, Yayu,* +, *TWC January 2013 398-411*
Zadoff-Chu Sequence Based Signature Identification for OFDM. *Lee, Kilbom,* +, *TWC October 2013 4932-4942*

Wireless mesh networks

An Adaptive Channel Scheduling Design for Multi-Hop Handoff Delay Reduction in Internet-Based Wireless Mesh Networks. *Li, Haopeng,* +, *TWC October 2013 5258-5270*
Broadcast Scheduling for Wireless Mesh Networks Based on Transmission Demand. *Chung, Jong-Moon,* +, *TWC February 2013 606-615*
FADE: Forwarding Assessment Based Detection of Collaborative Grey Hole Attacks in WMNs. *Liu, Qiang,* +, *TWC October 2013 5124-5137*
Resource Allocation for QoS Support in Wireless Mesh Networks. *Kim, Tae-Suk,* +, *TWC May 2013 2046-2054*

Wireless Mesh Network in Smart Grid: Modeling and Analysis for Time Critical Communications. *Xu, Yi, +, TWC July 2013 3360-3371*

Wireless sensor networks

A Highly Scalable Key Pre-Distribution Scheme for Wireless Sensor Networks. *Bechkit, Walid, +, TWC February 2013 948-959*

A New MPLS-Based Forwarding Paradigm for Multi-Radio Wireless Mesh Networks. *Avallone, Stefano, +, TWC August 2013 3968-3979*

Agnostic Diagnosis: Discovering Silent Failures in Wireless Sensor Networks. *Miao, Xin, +, TWC December 2013 6067-6075*

An Analytical Approach to the Design of Energy Harvesting Wireless Sensor Nodes. *Zhang, Shenqiu, +, TWC August 2013 4010-4024*

Analytic Conditions for Energy Neutrality in Uniformly-Formed Wireless Sensor Networks. *Besbes, Hana, +, TWC October 2013 4916-4931*

Capacity and Delay Analysis for Data Gathering with Compressive Sensing in Wireless Sensor Networks. *Zheng, Haifeng, +, TWC February 2013 917-927*

Collaborative Sensing Management for Cognitive Radio Networks with Reporting Overhead. *Jeon, Wha Sook, +, TWC February 2013 595-605*

Comment on 'Robust Cooperative Routing Protocol in Mobile Wireless Sensor Networks'. *Fang, Weiwei, +, TWC August 2013 4222-4223*

Critical Density for Connectivity in 2D and 3D Wireless Multi-Hop Networks. *Ng, Seh Chun, +, TWC April 2013 1512-1523*

Delay Analysis for Sparse Vehicular Sensor Networks with Reliability Considerations. *Abdrabou, Atef, +, TWC September 2013 4402-4413*

Distributed Angle Estimation for Localization in Wireless Sensor Networks. *Zhang, Weile, +, TWC February 2013 527-537*

Distributed Clock Parameters Tracking in Wireless Sensor Network. *Luo, Bin, +, TWC December 2013 6464-6475*

Distributed Clock Skew and Offset Estimation in Wireless Sensor Networks: Asynchronous Algorithm and Convergence Analysis. *Du, Jian, +, TWC November 2013 5908-5917*

Distributed Joint Resource and Routing Optimization in Wireless Sensor Networks via Alternating Direction Method of Multipliers. *Leinonen, Markus, +, TWC November 2013 5454-5467*

Distributed Sampling Rate Control for Rechargeable Sensor Nodes with Limited Battery Capacity. *Zhang, Yongmin, +, TWC June 2013 3096-3106*

Dynamic Multilevel Priority Packet Scheduling Scheme for Wireless Sensor Network. *Nasser, Nidal, +, TWC April 2013 1448-1459*

EMBA: An Efficient Multihop Broadcast Protocol for Asynchronous Duty-Cycled Wireless Sensor Networks. *Jang, Ingook, +, TWC April 2013 1640-1650*

Energy-Efficient Distributed Data Storage for Wireless Sensor Networks Based on Compressed Sensing and Network Coding. *Yang, Xianjun, +, TWC October 2013 5087-5099*

Energy-Efficient Intrusion Detection with a Barrier of Probabilistic Sensors: Global and Local. *Chen, Jiming, +, TWC September 2013 4742-4755*

Enhancement of Lifetime using Duty Cycle and Network Coding in Wireless Sensor Networks. *Rout, Rashmi Ranjan, +, TWC February 2013 656-667*

Joint Node Localization and Time-Varying Clock Synchronization in Wireless Sensor Networks. *Ahmad, Aitzaz, +, TWC October 2013 5322-5333*

Joint Precoder Design for Distributed Transmission of Correlated Sources in Sensor Networks. *Fang, Jun, +, TWC June 2013 2918-2929*

Minimum Energy Channel Codes for Nanoscale Wireless Communications. *Kocaoglu, Murat, +, TWC April 2013 1492-1500*

Mobility-Aided Wireless Sensor Network Localization via Semidefinite Programming. *Salari, Soheil, +, TWC December 2013 5966-5978*

MoteSec-Aware: A Practical Secure Mechanism for Wireless Sensor Networks. *Tsou, Yao-Tung, +, TWC June 2013 2817-2829*

Multiple Access and Data Reconstruction in Wireless Sensor Networks Based on Compressed Sensing. *Xue, Tong, +, TWC July 2013 3399-3411*

Optimal Scheduling for Quality of Monitoring in Wireless Rechargeable Sensor Networks. *Cheng, Peng, +, TWC June 2013 3072-3084*

Optimality Analysis of Sensor-Source Geometries in Heterogeneous Sensor Networks. *Meng, Wei, +, TWC April 2013 1958-1967*

Performance Analysis and Optimization for Energy-Efficient Cooperative Transmission in Random Wireless Sensor Network. *Li, Bin, +, TWC September 2013 4647-4657*

Power Allocation for Robust Distributed Best-Linear-Unbiased Estimation Against Sensing Noise Variance Uncertainty. *Wu, Jwo-Yuh, +, TWC June 2013 2853-2869*

Power Optimized DSTBC Assisted DMF Relaying in Wireless Sensor Networks with Redundant Super Nodes. *Razi, Abolfazl, +, TWC February 2013 636-645*

ProHet: A Probabilistic Routing Protocol with Assured Delivery Rate in Wireless Heterogeneous Sensor Networks. *Chen, Xiao, +, TWC April 2013 1524-1531*

Random Deployment of Data Collectors for Serving Randomly-Located Sensors. *Kwon, Taesoo, +, TWC June 2013 2556-2565*

Rendezvous Enhancement in Arbitrary-Duty-Cycled Wireless Sensor Networks. *Chao, Chih-Min, +, TWC August 2013 4080-4091*

Robust Compressive Data Gathering in Wireless Sensor Networks. *Tang, Yu, +, TWC June 2013 2754-2761*

Secure Data Discovery and Dissemination based on Hash Tree for Wireless Sensor Networks. *He, Daojing, +, TWC September 2013 4638-4646*

Splitting Tree Algorithm for Decentralized Detection in Sensor Networks. *Xu, Dianhui, +, TWC December 2013 6024-6033*

STCDG: An Efficient Data Gathering Algorithm Based on Matrix Completion for Wireless Sensor Networks. *Cheng, Jie, +, TWC February 2013 850-861*

Topology Control with vMIMO Communication in Wireless Sensor Networks. *Xu, Hongli, +, TWC December 2013 6328-6339*

UHF Propagation Along a Cargo Hold on Board a Merchant Ship. *Mao, Xiao Hong, +, TWC January 2013 22-30*

Upper Bounds to the Performance of Cooperative Traffic Relaying in Wireless Linear Networks. *Nordio, Alessandro, +, TWC March 2013 1-9*

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Reduced-Bias ML-Based Estimators with Low Complexity for Self-Calibrating RSS Ranging. *Coluccia, Angelo, +, TWC March 2013 1220-1230*

Time-of-Flight-Based Radio Tomography for Device Free Localization. *Wang, Jie, +, TWC May 2013 2355-2365*

ZigBee-Assisted Power Saving for More Efficient and Sustainable Ad Hoc Networks. *Qin, Hua, +, TWC December 2013 6180-6193*