Optimal Power Allocation for Coordinated Wireless Backhaul in OFDM-Based Relay System
Bing Luo (Beijing University of Posts and Telecommunications, P.R. China); Jinxia Sun (CMCC, P.R. China); Wenyan Jin (CMCC, P.R. China)
pp. 5625-5629

WC-03: Multiuser MIMO - 1

Blockwise-Lattice-Reduction Aided Precoders for Multiuser MIMO with Clusters of Correlated Users
Chiao-En Chen (National Chung-Cheng university, Taiwan); Tsung-Wei Cho (National Chung Cheng University, Taiwan); Yuan-Sun Chu (National Chung Cheng University, Taiwan); Wei-Ho Chung (Academia Sinica, Taiwan)
pp. 5630-5634

Semidefinite Relaxation Based Beamforming in Clustered Cooperative Multicell MISO Systems
Zhiyu Zhang (Nanyang Technological University, Singapore); Kah Chan Teh (Nanyang Technological University, Singapore); Kwok Hung Li (Nanyang Technological University, Singapore)
pp. 5635-5639

Distributed Precoding for MISO Interference Channels with Channel Mean Feedback:
Algorithms and Analysis
Minhua Ding (Aalto University, Finland); Olav Tirkkonen (Aalto University, Finland); Randall Berry (Northwestern University, USA); Sennur Ulukus (University of Maryland, USA)
pp. 5640-5645

On the Design of Interference Alignment Scheme for Multi-user MIMO with Limited Feedback
Yuxian Zhang (The Hong Kong University of Science and Technology, Hong Kong); Roger Cheng (HKUST, Hong Kong)
pp. 5646-5650

Novel Cooperative Communication Schemes with Interference Management for Multi-User Wireless Networks
Aymen Omri (Qatar University, Qatar); Mazen Omar Hasna (Qatar University, Qatar)
pp. 5651-5656
WC-22: Cognitive radio

**Improved Performance of Spectrum Cartography Based on Compressive Sensing in Cognitive Radio Networks**
Beeshanga Abewardana Jayawickrama (Macquarie University, Australia); Eryk Dutkiewicz (Macquarie University, Australia); Ian Oppermann (CSIRO, Australia); Gengfa Fang (Macquarie University, Australia); Jie Ding (Macquarie University, Australia)
pp. 5657-5661

**Measurement and Characterization of Broadband Indoor TVWS Radio Channel on Multipath Spread**
Ming-Tuo Zhou (National Institute of Information and Communications Technology, Singapore); Chunyi Song (National Institute of Information and Communications Technology, Japan); Mohammad Azizur Rahman (National Institute of Information and Communications Technology, Japan); Hiroshi Harada (National Institute of Information & Communications Technology (NICT), Japan)
pp. 5662-5667

**Opportunistic Relaying for Cognitive Network with Multiple Primary Users over Nakagami-m Fading**
Trung Q. Duong (Blekinge Institute of Technology, Sweden); Kyeong Jin Kim (Mitsubishi Electric Research Laboratories (MERL), USA); Hans-Juergen Zepernick (Blekinge Institute of Technology, Sweden); Chinthia Tellambura (University of Alberta, Canada)
pp. 5668-5673

**Capacity of Spectrum Sharing Cognitive Radio Systems over Nakagami Fading Channels at Low SNR**
Lokman Sboui (King Abdullah University of Science and Technology (KAUST), Saudi Arabia); Zouheir Rezki (King Abdullah University of Science and Technology (KAUST), Saudi Arabia); Mohamed-Slim Alouini (King Abdullah University of Science and Technology (KAUST), Saudi Arabia)
pp. 5674-5678

**Cooperative Beamforming for CR Systems with Asynchronous Interference to Primary User**
Mai Hassan (University of British Columbia, Canada); Md. Jahangir Hossain (University of British Columbia, Okanagan, Canada)
pp. 5679-5683

WC-23: Beamforming

**Adaptive Beamforming Selection Methods for Inter-cell Interference Cancellation in Multicell Multiuser Systems**
Changhee Lee (Korea University, Korea); Sung-Hyun Moon (ETRI, Korea); Sang-Rim Lee (Korea University, Korea); Inkyu Lee (Korea University, Korea)
pp. 5684-5688

**On Transmit Beamforming for Multiantenna OFDM Channels With Finite-Rate Feedback**
Kritsada Mamat (Kasetsart University, Thailand); Wiroonsak Santipach (Kasetsart University, Thailand)
pp. 5689-5693

**Maximum Multi-hop Range Using Cooperative Transmission With a Fixed Number of Nodes**
Wenbin Zheng (Harbin Institute of Technology, P.R. China); Mary Ann Ingram (Georgia Institute of Technology, USA)
pp. 5694-5698

**Inter-Cell Coordinated Beamforming with Opportunistic Scheduling**
Jinwoo Kim (Korea University, Korea)
pp. 5699-5703

**Performance of Altruistic Beamforming for Mitigation of Multiple Cross-layer Interference Sources**
Christos Karaikos (Aalto University, Finland); Alexis Alfredo Dowhuszko (School of Electrical Engineering, Aalto University, Finland); Jyri Hämäläinen (Aalto University, Finland)
pp. 5704-5709
WC-24: Channel modeling

A Ray Tracing Algorithm Using the Discrete Prolate Spheroidal Subspace
Mingming Gan (FTW, Telecommunications Research Center Vienna, Austria); Francesco Mani (TELECOM ParisTech, France); Florian Kaltenberger (Eurecom, France); Claude Oestges (Université Catholique de Louvain, Belgium); Thomas Zemen (FTW Telecommunications Research Center Vienna, Austria)
pp. 5710-5714

The eta-mu/IG Distribution: A Novel Physical Multipath /Shadowing Fading Model
Paschalis C. Sofotasios (University of Leeds, United Kingdom); Theodoros Tsiftsis (Technological Educational Institute of Lamia, Greece); Mounir Ghogho (University of Leeds & International University of Rabat, United Kingdom); Leif R Wilhelmsson (Ericsson AB, Sweden); Mikko Valkama (Tampere University of Technology, Finland)
pp. 5715-5719

A Wireless Channel Sounding System for Rapid Propagation Measurements
Muhammad Nazmul Islam (WINLAB, Rutgers University, USA); Byoung-Jo J. Kim (AT&T Labs - Research, USA); Paul Henry (AT&T Labs - Research, USA); Eric Rozner (IBM Research & University of Texas at Austin, USA)
pp. 5720-5725

Automatic Clustering of Multipath Arrivals in Radio-Frequency Channels using Kurtosis
Camillo Gentile (NIST, USA)
pp. 5726-5731

Frequency Band Selection and Channel Modeling for WNSN Applications using SimpleNano
Ibrahim Tariq Javed (Bahria University Islamabad, Pakistan); Ijaz Haider Naqvi (LUMS School of Science and Engineering (SSE) & LUMS SSE, Pakistan)
pp. 5732-5736

WC-25: OFDM/OFDMA - 2

Signature Identification Techniques with Zadoff-Chu Sequence for OFDM systems
Kilbom Lee (Korea University, Korea); Joonsuk Kim (Broadcom Corp, USA); Minki Ahn (Korea University, Korea); Inkyu Lee (Korea University, Korea)
pp. 5737-5741

A correlating receiver for ES-OFDM using multiple antennas
Andre Kokkeler (University of Twente, The Netherlands); Gerard Smit (University of Twente, The Netherlands)
pp. 5742-5747

Low Complexity LS and MMSE Based CFO Compensation Techniques for the Uplink of OFDMA Systems
Arman Farhang (CTVR Trinity College, Ireland); Nicola Marchetti (CTVR Trinity College, Ireland); Linda Doyle (Trinity College Dublin, Ireland)
pp. 5748-5753

A Low-Complexity Time-Domain Signal Processing Algorithm for N-continuous OFDM
Peng Wei (University of Electronic Science and Technology of China, P.R. China); Lilin Dan (University of Electronic Science and Technology of China, P.R. China); Yue Xiao (University of Electronic Science and Technology of China, P.R. China); Shaoqian Li (University of Electronic Science and Technology of China, P.R. China)
pp. 5754-5758

Clipping Noise-based Tone Injection for PAPR Reduction in OFDM Systems
Jun Hou (Xidian University & State Key Laboratory of Integrated Service Networks, P.R. China); Chintha Telambura (University of Alberta, Canada); Jianhua Ge (Xidian University, P.R. China)
pp. 5759-5763
WC-26: MIMO

**Full-Diversity STBC Designs for Two-User MIMO X Channels**
Long Shi (University of New South Wales, Australia); Wei Zhang (The University of New South Wales, Australia); Xiang-Gen Xia (University of Delaware, USA)
pp. 5764-5768

**Optimal Power Allocation for Energy Efficiency Maximization in Distributed Antenna Systems**
Heejin Kim (Korea University, Korea); Sang-Rim Lee (Korea University, Korea); Changick Song (Imperial College London, United Kingdom); Inkyu Lee (Korea University, Korea)
pp. 5769-5773

**Pilot Allocation and Receive Antenna Selection: A Markov Decision Theoretic Approach**
Reuben G. Stephen (Center for Development of Telematics, India); Chandra R Murthy (Indian Institute of Science, India); Marceau Coupechoux (Telecom ParisTech, France)
pp. 5774-5779

**Design and Analysis of Distributed Co-Phasing with Arbitrary Constellations**
Manesh A (DRDO, India); Chandra R Murthy (Indian Institute of Science, India); Ramesh Annavaditha (Mitsubishi Electric Research Labs, USA)
pp. 5780-5785

**Multiuser Diversity for MIMO-Y Channel: Max-Min Selection and Diversity Analysis**
Hui Gao (Singapore University of Technology and Design, Singapore); Chau Yuen (Singapore University of Technology and Design, Singapore); Himal A Suraweera (University of Peradeniya, Sri Lanka); Tiejun Lv (Beijing University of Posts and Telecommunications, P.R. China)
pp. 5786-5791

WC-27: Localization

**On the Impact of A Priori Information on Localization Accuracy and Complexity**
Francesco Montorsi (University of Modena and Reggio Emilia, Italy); Santiago Mazuelas (Massachusetts Institute of Technology, USA); Giorgio M. Vitetta (University of Modena and Reggio Emilia, Italy); Moe Win (Massachusetts Institute of Technology, USA)
pp. 5792-5797

**Map-Aware RSS Localization Models and Algorithms Based on Experimental Data**
Francesco Montorsi (University of Modena and Reggio Emilia, Italy); Fabrizio Pancaldi (University of Modena and Reggio Emilia & Consorzio Nazionale Interuniversitario per le Telecomunicazioni (C-NIT), Italy); Giorgio M. Vitetta (University of Modena and Reggio Emilia, Italy)
pp. 5798-5803

**Ranging Likelihood for UWB Wireless Localization**
Henghui Lu (Tsinghua University, P.R. China); Santiago Mazuelas (Massachusetts Institute of Technology, USA); Moe Z. Win (MIT, USA)
pp. 5804-5808

**A New UHF Anti-Metal RFID Tag Antenna Design with Open-Circuited Stub Feed**
Yejun He (Shenzhen University & College of Information Engineering, P.R. China); Huaxia Zhang (Shenzhen University, P.R. China)
pp. 5809-5813

**Single Antenna Anchor-Free UWB Positioning based on Multipath Propagation**
Yubin Kuang (Lund University, Sweden); Kalle Åström (Lund University, Sweden); Fredrik Tufvesson (Lund University, Sweden)
pp. 5814-5818
WC-28: Performance Analysis

Explicit, Closed-Form Performance Analysis in Fading via New Bound on Gaussian Q-function
Hua Fu (National University of Singapore, Singapore); Ming-Wei Wu (Zhejiang University of Science and Technology & National University of Singapore, P.R. China); Puii-Yuen Kam (National University of Singapore, Singapore)
pp. 5819-5823

Diversity Analysis over Composite Fading Channels using a Mixture Gamma Distribution
Jaehoon Jung (Korea University, Korea); Sang-Rim Lee (Korea University, Korea); Haewook Park (Korea University, Korea); Inkyu Lee (Korea University, Korea)
pp. 5824-5828

Gallager’s Error Exponent Analysis of STBC Systems over $\eta$-$\mu$ Fading Channels
Jiayi Zhang (Beijing Jiaotong University, P.R. China); Michail Matthaiou (Chalmers University of Technology, Sweden); George K. Karagiannidis (Aristotle University of Thessaloniki, Greece); Zhenhui Tan (Beijing JiaoTong University, Beijing, P.R. China); Haibo Wang (Beijing Jiaotong University, P.R. China)
pp. 5829-5834

Novel Approximations to the Statistics of General Cascaded Nakagami-m Channels and Their Applications in Performance Analysis
Zhong Zheng (Aalto University, Finland); Lu Wei (Aalto University, Finland); Jyri Hämäläinen (Aalto University, Finland)
pp. 5835-5839

Effective Rate Analysis of MISO $\eta$-$\mu$ Fading Channels
Jiayi Zhang (Beijing Jiaotong University, P.R. China); Michail Matthaiou (Chalmers University of Technology, Sweden); Zhenhui Tan (Beijing JiaoTong University, Beijing, P.R. China); Haibo Wang (Beijing Jiaotong University, P.R. China)
pp. 5840-5844

WC-29: Multiuser MIMO - 3

Secrecy Capacity Optimization in Coordinated Multi-Point Processing
Meng Zhang (Shanghai Jiao Tong University, P.R. China); Ruiqi Xue (Shanghai Jiao Tong University, P.R. China); Hui Yu (Shanghai Jiao Tong University, P.R. China); HanWen Luo (Shanghai JiaoTong University, P.R. China); Wen Chen (Shanghai Jiao Tong University, P.R. China)
pp. 5845-5849

User Admission for Multi-User Regenerative Relay MIMO Systems
Jarkko Kaleva (University of Oulu, Finland); Antti Tölli (University of Oulu, Finland); Markku Juntti (University of Oulu, Finland)
pp. 5850-5854

Coverage and Rate in Cellular Networks with Multi-User Spatial Multiplexing
Sreejith Thazhathe Veetil (Indian Institute of Technology Hyderabad, India); Kiran Kuchi (IIT Hyderabad, India); Anilesh Krishnaswamy (Indian Institute of Technology, Madras, India); Radha Krishna Ganti (Indian Institute of Technology Madras, India)
pp. 5855-5859

Practical considerations in cluster design for Co-ordinated Multipoint (CoMP) systems
Venkatadheeraj Pichapati (UCSD, India); Parul Gupta (IBM India Research Lab, India)
pp. 5860-5865

On Antenna Calibration for the TDD-based Network MIMO System
Jian Geng (Beijing University of Posts and Telecommunications, P.R. China); Zaixue Wei (Beijing University of Posts and Telecommunications, P.R. China); Xianling Wang (Beijing University of Posts and Telecommunications, P.R. China); Xiaoyi Liu (University of California, Irvine, USA); Wei Xiang (University of Southern Queensland, Australia); Dacheng Yang (Beijing University of Posts and Telecommunications, P.R. China)
pp. 5866-5871
WC-30: Resource allocation

**Energy-Efficient Power Allocation for Multicarrier Systems with Delay-Outage Probability Constraints**
Amir Helmy (McGill University, Canada); Leila Musavian (Lancaster University, United Kingdom); Tho Le-Ngoc (McGill University, Canada)
pp. 5872-5877

**A Game Theoretical Approach for Reliable Packet Transmission in Noncooperative BIC-OFDM Systems**
Riccardo Andreotti (University of Pisa, Italy); Vincenzo Lottici (University of Pisa, Italy); Filippo Giannetti (University of Pisa, Italy); Ivan Stupia (Université Catholique de Louvain, Belgium); Luc Vandendorpe (University of Louvain, Belgium)
pp. 5878-5882

**Energy and Spectral Efficient Transmissions of Coded ARQ Systems**
Jingxian Wu (University of Arkansas, USA); Gang Wang (University of Arkansas, USA); Yahong Rosa Zheng (Missouri University of Science and Technology, USA)
pp. 5883-5887

**Power Allocation over Two Identical Gilbert-Elliott Channels**
Junhua Tang (Shanghai Jiao Tong University, P.R. China); Parisa Mansourifard (University of Southern California, USA); Bhaskar Krishnamachari (University of Southern California, USA)
pp. 5888-5892

**Optimal Power Allocation Policy over Two Identical Gilbert-Elliott Channels**
Wei Jiang (Shanghai Jiao Tong University, P.R. China); Junhua Tang (Shanghai Jiao Tong University, P.R. China); Bhaskar Krishnamachari (University of Southern California, USA)
pp. 5893-5897

**Dynamic Bandit with Covariates: Strategic Solutions with Application to Wireless Resource Allocation**
Setareh Maghsudi (Technische Universität Berlin, Germany); Slawomir Stanczak (Fraunhofer Heinrich Hertz Institute & Technische Universität Berlin, Germany)
pp. 5898-5902

WC-31: Two-way relaying

**An Iterative Noncoherent Relay Receiver for the Two-way Relay Channel**
Terry Ferrett (West Virginia University, USA); Matthew Valenti (West Virginia University, USA); Don Torrieri (US Army Research Laboratory, USA)
pp. 5903-5908

**Precoder design for Asymmetric Multi-user Two-way AF Relaying in Cellular Systems**
Rohit Budhiraja (IIT Madras, India); Karthik Kuntikana Shrikrishna (Indian Institute of Technology Madras, India); Bhaskar Ramamurthi (Indian Institute of Technology, India)
pp. 5909-5913

**Achievable Rates and Power Allocation for Two-Way AF Relaying over Rayleigh Fading Channels**
Leonardo Jiménez Rodríguez (McGill University, Canada); Nghi H Tran (University of Akron, USA); Tho Le-Ngoc (McGill University, Canada)
pp. 5914-5918

**Resource Allocation for Two-way Relaying With Network Coding**
Shan shan Huang (The Hong Kong University of Science and Technology, Hong Kong); Roger Cheng (HKUST, Hong Kong)
pp. 5919-5923

Qiang Huo (Peking University, P.R. China); Lingyang Song (Peking University, P.R. China); Yonghui Li (University of Sydney, Australia); Bingli Jiao (Peking University, P.R. China)
pp. 5924-5928
Iterative MMSE filter design for multi-pair two-way multi-relay networks
Rakash SivaSiva Ganesan (TU Darmstadt, Germany); Hussein A Al-Shatri (University of Rostock, Germany); Tobias Weber (Uni Rostock, Germany); Anja Klein (TU Darmstadt, Germany)
pp. 5929-5933
ICC'13 - Wireless Networking (WN) Symposium

WN-01: Applications, service and scheme

**Impact of Emerging Social Media Applications on Mobile Networks**
Tarik Taleb (NEC Europe Ltd., Germany); Adlen Ksentini (University of Rennes 1 / IRISA Lab, France)
pp. 5934-5938

**Channel Selection for Heterogeneous Nodes in Cognitive Networks**
Amiotosh Ghosh (Concordia University, Canada); Walaa Hamouda (Concordia University, Canada)
pp. 5939-5943

**Admission Control Scheme for Proxy Mobile IPv6 Networks**
Nika Naghavi (King's College London, United Kingdom); Vasilis Friderikos (King's College London, United Kingdom); Toktam Mahmoodi (King's College London, United Kingdom); Hamid Aghvami (King's College London, United Kingdom)
pp. 5944-5948

**Outage Performance of a Network Model based on Average User Distance in Cellular Systems**
Aroba Khan (University of Sydney, Australia); Abbas Jamalipour (University of Sydney, Australia)
pp. 5949-5953

**Multicast Service Delivery Solutions in LTE-Advanced Systems**
Leonardo Militano (Mediterranea University of Reggio Calabria, Italy); Massimo Condoluci (University Mediterranea of Reggio Calabria, Italy); Giuseppe Araniti (University Mediterranea of Reggio Calabria, Italy); Antonio Iera (University Mediterranea of Reggio Calabria, Italy)
pp. 5954-5958

WN-P1: Network model and management (posters)

**Incentive Mechanism for Access Permission and Spectrum Trading in Femtocell Network**
Jikai Yin (Shanghai Jiao Tong University, P.R. China); Gaofei Sun (Shanghai Jiao Tong University, P.R. China); Feng Yang (Shanghai Jiaotong University, P.R. China); Xiaoying Gan (Shanghai Jiao Tong University, P.R. China); Xining Wang (Shanghai Jiaotong University, P.R. China)
pp. 5959-5963

**Evaluation of Jumboframes Feasibility in LTE Access Networks**
Marco Mezzavilla (University of Padova, Italy); Davide Chiarotto (New Vision Group, Italy); Daniel Corujo (Instituto de Telecomunicacões Aveiro & Universidade de Aveiro, Portugal); Michelle M Wetterwald (EURECOM, France); Michele Zorzi (Università degli Studi di Padova, Italy)
pp. 5964-5968

**Optimal client association, airtime sharing and contention resolution in throughput fair multi-cell WLANs with hidden APs**
Jun Zhang (Telecom ParisTech, France); Jason Min Wang (The Hong Kong University of Science and Technology, Hong Kong); Ying Wang (The Hong Kong University of Science and Technology, Hong Kong); Brahim Bensaou (The Hong Kong University of Science and Technology, Hong Kong)
pp. 5969-5973

**Analytical Evaluation of Coverage-Oriented Femtocell Network Deployment**
He Wang (University of New South Wales & Australian National University, Australia); Xiyang Zhou (The Australian National University, Australia); Mark C Reed (University of New South Wales, Australia)
pp. 5974-5979

**Opportunistic Network Coding for Two-way Relay Fading Channels**
Ni Ding (The University of New South Wales, Australia); Ido Nevat (CSIRO, Australia); Gareth Peters (University College London London, United Kingdom); Jinhong Yuan (University of New South Wales, Australia)
pp. 5980-5985
Collaborative Multi-Layer Network Coding for Cellular Cognitive Radio Networks
Sameh Sorour (King Abdullah University of Science and Technology (KAUST), Saudi Arabia); Tareq Y. Al-Naffouri (King Abdullah University of Science and Technology, USA); Mohamed-Slim Alouini (King Abdullah University of Science and Technology (KAUST), Saudi Arabia)
pp. 5986-5990

Algebraic Connectivity of Degree Constrained Spanning Trees for FSO Networks
Hui Zhou (Auburn University, USA); Alireza Babaei (Virginia Tech, USA); Shiwen Mao (Auburn University, USA); Prathima Agrawal (Auburn University, USA)
pp. 5991-5996

A Data Dissemination Protocol for Urban Vehicular Ad hoc Networks with Extreme Traffic Conditions
Guilherme Maia (Federal University of Minas Gerais, Brazil); Azzedine Boukerche (University of Ottawa, Canada); Andre Aquino (Universidade Federal de Alagoas, Brazil); Aline Carneiro Viana (INRIA, France); Antonio A.F. Loureiro (Federal University of Minas Gerais, Brazil)
pp. 5997-6001

WN-02: Power, cost and system Control

Joint Subchannel and Power Allocation in Two-Tier OFDMA HetNets with Clustered Femtocells
Amr Abdelnasser (University of Manitoba, Canada); Ekram Hossain (University of Manitoba, Canada)
pp. 6002-6007

A Comparative Study of Power Control Approaches for Device-to-Device Communications
Gabor Fodor (Ericsson Research & Royal Institute of Technology (KTH), Sweden); Marco Belleschi (Ericsson AB, Sweden); Demia Della Penda (Royal Institute of Technology (KTH), Sweden); Mikael Johansson (Royal Institute of Technology, Sweden); Andrea Abrardo (University of Siena, Italy)
pp. 6008-6013

Overall Cost Minimization for Data Aggregation in Energy-Constrained Wireless Sensor Networks
Wei An (High Performance Nework Lab, IOA, Chinese Academy of Sciences, P.R. China); Song Ci (University of Nebraska-Lincoln, USA); Haiyan Luo (Cisco Systems & University of Nebraska-Lincoln, USA); Dalei Wu (Massachusetts Institute of Technology & Mechatronics Research Lab, USA); Yanni Han (Institute of Acoustics, Chinese Academy of Sciences, P.R. China); Ying Qi (Institute of Acoustics, Chinese Academy of Sciences, P.R. China); Tao Lin (Institute of Acoustics, Chinese Academy of Sciences, P.R. China)
pp. 6014-6018

Latency and Energy in Quality-Driven Applications for Networked Wireless Devices
Martin Valdez-Vivas (Stanford University, USA); Nicholas Bambos (Stanford University, USA)
pp. 6019-6024

Optimal Clustering and Rate Allocation for Uplink Coordinated Multi-point (CoMP) Systems with Delayed Channel State Information (CSI)
Yegui Cai (Carleton University, Canada); F. Richard Yu (Carleton University, Canada); Gamini Senarath (Huawei Technologies Canada CO., LTD., Canada)
pp. 6025-6029

WN-03: Standards and protocols

RFID enabled MAC Protocol for WBAN
Sana Ullah (King Saud University, Saudi Arabia)
pp. 6030-6034

A Distributed Protocol for Cooperation Among Different Wireless Sensor Networks
Pedro O.S. Vaz de Melo (Federal University of Minas Gerais, Brazil); Felipe Cunha (Federal University of Minas Gerais, Brazil); Antonio A.F. Loureiro (Federal University of Minas Gerais, Brazil)
pp. 6035-6039
Enabling Co-channel Coexistence of 802.22 and 802.11af Systems in TV White Spaces
Xiaojun Feng (Hong Kong University of Science and Technology, Hong Kong); Qian Zhang (Hong Kong University of Science and Technology, Hong Kong); Bo Li (Hong Kong University of Science and Technology, Hong Kong)
pp. 6040-6044

SAFE: A Social Based Updatable Filtering Protocol with Privacy-preserving in Mobile Social Networks
Kuan Zhang (University of Waterloo, Canada); Xiaohui Liang (University of Waterloo, Canada); Rongxing Lu (Nanyang Technological University, Singapore); Sherman Shen (University of Waterloo, Canada)
pp. 6045-6049

A Holistic IPv6 Test-Bed for Smart, Green Buildings
Constantinos Marios Angelopoulos (University of Patras and Computer Technology Institute, Greece); Gabriel Filios (University of Patras and Computer Technology Institute, Greece); Sotiris E. Nikolentzeas (University of Patras and Computer Technology Institute, Greece); Dimitra Patroumpa (U. of Patras and CTI, Greece); Theofanis P. Raptis (University of Patras and Computer Technology Institute, Greece); Konstantinos Veroutis (University of Patras, Greece)
pp. 6050-6054

WN-04: Resource allocation

Partial Time-Frequency Resource Allocation for Device-to-Device Communications Underlaying Cellular Networks
Yingqi Chai (Xi'an Jiaotong University, P.R. China); Qinghe Du (Xi'an Jiaotong University, P.R. China); Pinyi Ren (Xi'an Jiaotong University, P.R. China)
pp. 6055-6059

Resource Allocation for Two-way Relay Networks with Symmetric Data Rates: An Information Theoretic Approach
Ke Xiong (Beijing Jiaotong University, P.R. China); Qing Shi (School of Economics and Finance, The University of Hong Kong, P.R. China); Pingyi Fan (Tsinghua University, P.R. China); Khaled B. Letaief (The Hong Kong University of Science and Technology, Hong Kong)
pp. 6060-6064

Resource Allocation for WWAN Video Multicast with Cooperative Local Repair
Zhi Liu (National Institute of Informatics, The Graduate University for Advanced Studies, Japan); Yu Mao (The Graduate University for Advanced Studies & National Institute of Informatics, Japan); Ning Lu (University of Waterloo, Canada); Yusheng Ji (National Institute of Informatics, Japan); Sherman Shen (University of Waterloo, Canada)
pp. 6065-6070

Uplink Resource Allocation for Interworking of WLAN and OFDMA-Based Femtocell Systems
Amila Tharaperiya Gamage (University of Waterloo, Canada); Sherman Shen (University of Waterloo, Canada)
pp. 6071-6075

Energy-Aware Resource Allocation for Device-to-Device Underlay Communication
Feiran Wang (Stanford University, USA); Chen Xu (Peking University, P.R. China); Lingyang Song (Peking University, P.R. China); Qun Zhao (DoCoMo Beijing Labs, P.R. China); Xiaoli Wang (Docomo Beijing Communications Lab, P.R. China); Zhu Han (University of Houston, USA)
pp. 6076-6080

Interference-Aware Energy-Efficient Resource Allocation for Heterogeneous Networks with Incomplete Channel State Information
Shengrong Bu (Carleton University, Canada); F. Richard Yu (Carleton University, Canada); Gamini Senarathe (Huawei Technologies Canada CO., LTD., Canada)
pp. 6081-6085
WN-05: Traffic and throughput management

Traffic Offloading Techniques in Two-Tier Femtocell Networks
Hesham ElSawy (University of Manitoba, Canada); Ekram Hossain (University of Manitoba, Canada); Sergio Camorlinga (TRLabs, Winnipeg, Canada, and University of Manitoba, Canada)
pp. 6086-6090

Throughput Analysis for Two-Hop Relay Mobile Ad Hoc Networks with Receiver Probing
Jiajia Liu (Tohoku University, Japan); Xiaohong Jiang (Future University-Hakodate, Japan); Hiroki Nishiyama (Tohoku University, Japan); Nei Kato (Tohoku University, Japan)
pp. 6091-6095

Dynamic Spectrum Leasing with User-determined Traffic Segmentation
Xiaojun Feng (Hong Kong University of Science and Technology, Hong Kong); Qian Zhang (Hong Kong University of Science and Technology, Hong Kong); Jin Zhang (Hong Kong University of Science and Technology, P.R. China)
pp. 6096-6100

Throughput Analysis of CSMA Wireless Networks with Finite Offered-load
Caihong Kai (Hefei University of Technology, P.R. China); Shengli Zhang (Shenzhen University, P.R. China)
pp. 6101-6106

Balancing download throughput in densely deployed IEEE802.11 multi-cell WLANs
Jun Zhang (Telecom ParisTech, France); Brahim Bensaou (The Hong Kong University of Science and Technology, Hong Kong)
pp. 6107-6111

Interference Management for Multimedia Femtocell Networks with Coalition Formation Game
Bojiang Ma (University of British Columbia, Canada); Man Hon Cheung (The Chinese University of Hong Kong, Hong Kong); Vincent W.S. Wong (University of British Columbia, Canada)
pp. 6112-6117

WN-06: Capacity analysis

Equivalent Capacity Analysis of LTE-Advanced Systems with Carrier Aggregation
Ran Zhang (University of Waterloo, Canada); Zhongming Zheng (University of Waterloo, Canada); Miao Wang (University of Waterloo, Canada); Sherman Shen (University of Waterloo, Canada); Liangliang Xie (University of Waterloo, Canada)
pp. 6118-6122

Two Vulnerabilities in Android OS Kernel
Xiali Hei (Temple University & Guangdong University of Business Studies, USA); Xiaojiang Du (Temple University, USA); Shan Lin (Temple University, USA)
pp. 6123-6127

Optimal Relay Assignment for Secrecy Capacity Maximization in Cooperative Ad-hoc Networks
Biao Han (University of Tsukuba, Japan); Jie Li (University of Tsukuba, Japan); Jinshu Su (National University of Defence Technology, P.R. China)
pp. 6128-6132

Analysis on Dynamic of Node Storage in Space Delay/Disruption Tolerant Networking
Hongbing Li (Department of Electronic and Information Engineering, HIT, Shenzhen, P.R. China); Zhihua Yang (Harbin Institute of Technology, P.R. China); Jian Jiao (Harbin Institute of Technology Shenzhen Graduate School, P.R. China); Qinyu Zhang (Shenzhen Graduate School, Harbin Institute of Technology, P.R. China); Ruhai Wang (Lamar University, USA); Xiaodong Lin (University of Ontario Institute of Technology, Canada)
pp. 6133-6137

Multicast Capacity Analysis for Social-Proximity Urban Bus-Assisted VANETs
Yan Huang (Heilongjiang University, P.R. China); Xin Guan (Heilongjiang University, P.R. China); Zhipeng Cai (Georgia State University, USA); Tomoaki Ohtsuki (Keio University, Japan)
pp. 6138-6142
WN-07: Performance and system control

Dynamic Cache Cleaning on Android
Sean Finley (Temple University, USA); Xiaojiang Du (Temple University, USA)
pp. 6143-6147

Modelling and Performance Analysis of Maximum Achievable Rate over Nakagami-m Fading Uplink Channels
Zipeng Li (Huazhong University of Science and Technology, P.R. China); Jing Zhang (HUST, P.R. China); Ge Xiaohu (Huazhong University of Science & Technology, P.R. China); Chengxiang Wang (Heriot-Watt University, United Kingdom); Tao Han (Huazhong University of Science & Technology, P.R. China)
pp. 6148-6152

Performance Issues of Multiple-Relay Cooperation
Georgios Papadimitriou (University of Crete, Greece); Nikolaos Pappas (Supélec, France); Apostolos Traganitis (University of Crete & ICS-FORTH, Greece)
pp. 6153-6157

AIS Data based Identification of Systematic Collision Risk for Maritime Intelligent Transport System
Mengjie Zhou (Zhejiang University, P.R. China); Jiming Chen (Zhejiang University, P.R. China); Quanbo Ge (Zhejiang University, P.R. China); Xigang Huang (University of Waterloo, Canada); Yuesheng Liu (Shenzhen Maritime Bureau, Guangdong, P.R. China)
pp. 6158-6162

Interference-Dependent Contention Control in Multi-hop Wireless Ad-hoc Networks: An Optimal Cognitive MAC Protocol
Mui Van Nguyen (Kyung Hee University, Korea); Choong Seon Hong (Kyung Hee University, Korea)
pp. 6163-6167

WN-08: algorithm and approach

A Location-based Self-Optimizing Algorithm for the Inter-RAT Handover Parameters
Ahmad Awada (Nokia Siemens Networks, Germany); Bernhard Wegmann (Nokia Siemens Networks, Germany); Ingo Viering (Nomor Research GmbH, Germany); Anja Klein (TU Darmstadt, Germany)
pp. 6168-6173

A Justification Of The Fluid Network Model Using Stochastic Geometry
Richard Combes (KTH, Royal Institute of Technology, Sweden); Jean-Marc Kelf (Orange Labs, France)
pp. 6174-6178

Coalitional Game Theoretic Approach for Cooperative Transmission in Vehicular Networks
Tian Zhang (Tsinghua University & Shandong University, P.R. China); Wei Chen (Tsinghua University, P.R. China); Zhu Han (University of Houston, USA); Zhigang Cao (Tsinghua University, P.R. China)
pp. 6179-6183

Vehicle-Assisted Data Delivery for Smart Grid: An Optimal Stopping Approach
Nan Cheng (University of Waterloo, Canada); Ning Lu (University of Waterloo, Canada); Ning Zhang (University of Waterloo, Canada); Sherman Shen (University of Waterloo, Canada); Jon Mark (University of Waterloo, Canada)
pp. 6184-6188

An Advanced Bandwidth Adaptation Mechanism for LTE Systems
Mehdi Khabbazian (Qatar Mobility Innovations Center (QMIC) & INRS-EMT, University of Quebec, Qatar); Osama Kubbar (QU Wireless Innovation Centre & Senior IEEE Member, Qatar); Hossam S. Hassanein (Queen's University, Canada)
pp. 6189-6193
WN-09: Energy efficiency

Adaptive Fast Dormancy for Energy Efficient Wireless Packet Data Communications
Yuheng Huang (Qualcomm, USA); Bongyong Song (Qualcomm, USA); Samir S. Soliman (Qualcomm, Inc, USA)
pp. 6194-6199

Power-Efficient QoS scheduler for LTE Uplink
Mohamad Kalil (Western University, Canada); Abdallah Shami (The University of Western Ontario, Canada); Arafat J. Al-Dweik (Khalifa University, UAE)
pp. 6200-6204

Auction-based Energy-Spectrum Trading in Green Cognitive Cellular Networks
Tao Han (New Jersey Institute of Tech, USA); Nirwan Ansari (NJIT, USA)
pp. 6205-6209

Adaptive DRX Configuration to Optimize Device Power Saving and Latency of Mobile Applications over LTE Advanced Network
Satish Chandra Jha (University of British Columbia, Canada); Ali T Koc (Intel Corporation, USA); Rath Vannithamby (Intel, USA); Murat Torlak (The University of Texas at Dallas, USA)
pp. 6210-6214

An Energy-Efficient Routing Protocol with Controllable Expected Delay in Duty-Cycled Wireless Sensor Networks
Jie Hao (Graduate University of Chinese Academy of Sciences, P.R. China); Zheng Yao (Graduate University of the Chinese Academy of Sciences, P.R. China); Kui Huang (Chinese Academy of Sciences, P.R. China); Baoxian Zhang (University of the Chinese Academy of Sciences, P.R. China); Cheng Li (Memorial University of Newfoundland, Canada)
pp. 6215-6219

WN-10: Resource and power management

A Cognitive Priority-based Resource Management Scheme for Cognitive Femtocells in LTE Systems
Wen-Ching Chung (National Chiao Tung Universit, Taiwan); Chung-Ju Chang (National Chiao Tung University, Taiwan); Chang-Cing Ye (National Chiao Tung University, Taiwan)
pp. 6220-6224

On the Effect of Cooperation Between Power Saving Mechanisms in WLANs and PONs
Ko Togashi (Tohoku University, Japan); Hiroki Nishiyama (Tohoku University, Japan); Nei Kato (Tohoku University, Japan); Hirotaka Ujikawa (NTT, Japan); Ken-Ichi Suzuki (NTT, Japan); Naoto Yoshimoto (NTT, Japan)
pp. 6225-6229

Genie: An Optimal Green Policy for Energy Saving and Traffic Offloading in Heterogeneous Cellular Networks
Yi-Han Chiang (National Taiwan University, Taiwan); Wanjiun Liao (National Taiwan University, Taiwan)
pp. 6230-6234

Demands Rescaling for Resource and Power Allocation in Cooperative Femtocell Networks
Mouna Hkimi (LIP6, France); Rami Langar (UPMC - University of Paris 6, France); Stefano Secchi (University Pierre et Marie Curie - Paris 6, France); Raouf Boutaba (University of Waterloo, Canada); Gys Pujolle (University Pierre et Marie Curie - Paris 6, France)
pp. 6235-6239

ABSF Offsetsetting and Optimal Resource Partitioning for eICIC in LTE-Advanced: Proposal and Analysis using a Nash Bargaining Approach
Mahmoud I Kamel (Cairo University, Egypt); Khaled Elsayed (Cairo University, Egypt)
pp. 6240-6244
Coverage Probability in Cellular Networks with Partial or Full Loading
Saishankar Katri Pulliyakode (IIT Madras, India); Sheetal Kalyani (CEWiT, India); Radha Krishna Ganti (Indian Institute of Technology Madras, India); K Giridhar (Indian Institute of Technology, Madras, India)
pp. 6245-6249

WN-11: Scheduling and control

Slot Fair Scheduling for Real-Time Applications on Uplink of WiMAX networks
Raghu Prasad (Indian Institute of Technology, Bombay, India); Narendra N (Indian Institute of Technology Bombay, India); Srinivasa Rao Y (Indian Institute of Technology Bombay, India); Prasanna Chaporkar (IIT Bombay, India)
pp. 6250-6254

Coordinated 4G Connection Access Control and Resource Allocation
Chao Yang (University of California Irvine, USA); Scott Jordan (University of California, Irvine, USA)
pp. 6255-6260

On the Link Adaptation and User Scheduling with HARQ in the Presence of Inter-Cell Interference
Su Min Kim (Royal Institute of Technology (KTH), Sweden); Bang Chul Jung (Gyeongsang National University, Korea); Dan Keun Sung (Korea Advanced Institute of Science and Technology, Korea)
pp. 6261-6265

On/Off Sleep Scheduling in Energy Efficient Vehicular Roadside Infrastructure
Shokouh Mostofi (McMaster University, Canada); Terence D. Todd (McMaster University, Canada); George Karakostas (McMaster University, Canada); Abdulla Hammad (McMaster University, Canada)
pp. 6266-6271

Advanced Scheduling Protocol for Electric Vehicle Home Charging with Time-of-Use Pricing
Dhaou Said (University of Sherbrooke & INTERLAB Research Laboratory, Canada); Soumaya Cherkaoui (Université de Sherbrooke, Canada); Lyes Khoukhi (University of Technology of Troyes, France)
pp. 6272-6276

A Cross-cell Coordination Scheme in Multi-carrier MF-HSDPA Network
Chi Zhang (Beijing University of Posts and Telecommunications, P.R. China); Chang Yongyu (Beijing University of Posts & Telecommunications, P.R. China); Dacheng Yang (Beijing University of Posts and Telecommunications, P.R. China)
pp. 6277-6282

WN-12: Routing and network management

On Efficient Data Anchor Point Selection in Distributed Mobile Networks
Tarik Taleb (NEC Europe Ltd., Germany); Adlen Ksentini (University of Rennes 1 / IRISA Lab, France)
pp. 6289-6293

Route Selection for Opportunistic Routing in Multi-Channel Scenario
Che-Jung Hsu (Fu Jen Catholic University, Taiwan); Huey-Ing Liu (Fu-Jen Catholic University, Taiwan)
pp. 6294-6299

Distributed Secrecy in Multilevel Wireless Networks
Jemin Lee (Singapore University of Technology and Design, Massachusetts Institute of Technology, USA); Andrea Conti (ENDIF University of Ferrara, WiLAB University of Bologna, Italy); Alberto Rabbachin (Massachusetts Institute of Technology, USA); Moe Win (Massachusetts Institute of Technology, USA)
pp. 6300-6305
Throughput and Delay of Mobile Hybrid Wireless Networks Under K Length Routing Policy
Jingjing Luo (Huazhong University of Science and Technology, P.R. China); Li Yu (Huazhong University of Science & Technology, P.R. China); Shiting Hu (Huazhong University of Science and Technology, P.R. China); Chao Luo (Huazhong University of Science and Technology, P.R. China)
pp. 6306-6310

WN-13: Access control

Selecting a Preferable Access Point with More Available Bandwidth
Shibo Xu (Tsinghua University, P.R. China); Fengyuan Ren (Tsinghua University, P.R. China); Yinsheng Xu (Tsinghua University, P.R. China); Chuang Lin (Tsinghua University, P.R. China); Min Yao (Tsinghua University, P.R. China)
pp. 6311-6316

Opportunistic Access for Cooperative Cognitive Radio Networks with Requirement Constraint
Teng Wei (Shanghai Jiao Tong University, P.R. China); Gaofei Sun (Shanghai Jiao Tong University, P.R. China); Xining Wang (Shanghai Jiao Tong University, P.R. China); Mohsen Guizani (QU, USA)
pp. 6317-6321

Decentralized Spatial Spectrum Access
Bangyi Zhu (The Chinese University of Hong Kong, Hong Kong); Xu Chen (Arizona State University, USA); Jianwei Huang (The Chinese University of Hong Kong, Hong Kong)
pp. 6322-6326

Adaptive Small Cell Access of Licensed and Unlicensed Bands
Ahmed R. Elsherif (University of California, Davis, USA); Wei-Peng Chen (Fujitsu Laboratories of America, USA); Akira Ito (Fujitsu Laboratories of America, USA); Zhi Ding (University of California at Davis, USA)
pp. 6327-6332

Incentive Mechanism for Hybrid Access in Femtocell Network with Traffic Uncertainty
Yanjiao Chen (Hong Kong University of Science and Technology, Hong Kong); Jin Zhang (Hong Kong University of Science and Technology, P.R. China); Qian Zhang (Hong Kong University of Science and Technology, Hong Kong)
pp. 6333-6337

WN-14: Communication and information management

Joint Optimization of Transmission Scheduling and Relay Assignment for Cooperative Communications
Peng Li (The University of Aizu, Japan); Song Guo (The University of Aizu, Japan); Toshiaki Miyazaki (The University of Aizu, Japan); Victor CM Leung (The University of British Columbia, Canada)
pp. 6338-6342

A Cross-Layer Admission Control Scheme for High-Speed Railway Communication System
Quansheng Xu (Beijing University of Posts and Telecommunications, P.R. China); Xi Li (Beijing University of Posts and Telecommunications, P.R. China); Hong Ji (Beijing University of Posts and Telecommunications, P.R. China); Liping Yao (Beijing University of Posts and Telecommunications, P.R. China)
pp. 6343-6347

When Bacteria Talk: Time Elapse Communication for Super-Slow Networks
Bhuvana Krishnaswamy (Georgia Institute of Technology, USA); Caitlin Henegar (Georgia Institute of Technology, USA); J. Patrick Bardill (Georgia Institute of Technology, USA); Daniel Russakow (Georgia Institute of Technology, USA); Gregory Holst (Georgia Institute of Technology, USA); Brian Hammer (Georgia Institute of Technology, USA); Craig Forest (Georgia Institute of Technology, USA); Raghupathy Sivakumar (Georgia Institute of Technology, USA)
pp. 6348-6353
Performance Analysis of Device-to-Device Communications with Frequency Reuse using Stochastic Petri Nets
Lei Lei (BJTU, P.R. China); Ye Han (Beijing Jiaotong University, P.R. China); Zhangdui Zhong (Beijing Jiaotong University, P.R. China); Chuang Lin (Tsinghua University, P.R. China)
pp. 6354-6359

IVE: improving the value of information in energy-constrained intruder tracking sensor networks
Damla Turgut (University of Central Florida, USA); Ladislau Bölöni (University of Central Florida, USA)
pp. 6360-6364

WN-15: Vehicular Networks

Roadside Units Deployment for Content Downloading in Vehicular Networks
Yazhi Liu (Hebei United University, P.R. China); Jian Ma (Beijing University of Posts and Telecommunications, P.R. China); Jianwei Niu (Beihang University, P.R. China); Yan Zhang (Simula Research Laboratory and University of Oslo, Norway); Wang Wendong (Beijing University of Posts and Telecommunications, P.R. China)
pp. 6365-6370

Effects of Time Slot Reservation in Cooperative ADHOC MAC for Vehicular Networks
Sailesh Bharati (University of Waterloo & Broadband Communications Research (BBCR) Group, Canada); Lakshmi V Thanayankizil (General Motors, USA); Fan Bai (General Motors, USA); Weihua Zhuang (University of Waterloo, Canada)
pp. 6371-6375

Opportunistic Cooperation for Infrastructure-to-Relaying-Vehicles over LTE-A Networks
Mohamed F. Feteha (Queens University, Canada); Hossam S. Hassanein (Queen's University, Canada); Osama Kubbar (QU Wireless Innovation Centre & Senior IEEE Member, Qatar)
pp. 6376-6380

Popular Content Distribution in Vehicular Networks using Coalition Formation Games
Tianyu Wang (Peking University, P.R. China); Lingyang Song (Peking University, P.R. China); Zhu Han (University of Houston, USA); Zhaohua Lu (ZTE Corporation, P.R. China); Liujun Hu (ZTE, P.R. China)
pp. 6381-6385

Heterogeneous hybrid vehicular WiMAX-WiFi Network for in-Tunnel surveillance implementations
Michael Charitos (University of Patras & ISI, Greece); Grigorios Kalivas (University of Patras, Greece)
pp. 6386-6390

WN-16: Mobility, handoff, and location management

A Lightweight System to Authenticate Smartphones in Near Field without NFC Chips
Lingjun Li (Arizona State University, USA); Xinxin Zhao (Arizona State University, USA); Guoliang Xue (Arizona State University, USA)
pp. 6391-6395

Enabling Wide Deployment of GSM Localization Over Heterogeneous Phones
Mohamed Ibrahim (Nile University, Egypt); Moustafa Youssef (Egypt-Japan University of Science and Technology (EJUSt), USA)
pp. 6396-6400

Handover in the Wild: The Feasibility of Vertical Handover in Commodity Smartphones
Pehr Söderman (KTH Royal Institute of Technology, Sweden); Johan Eklund (Karlstad University, Sweden); Karl-Johan Grinnemo (Karlstad University, Sweden); Markus Hidell (KTH Royal Institute of Technology, Sweden); Anna Brunstrom (Karlstad University, Sweden)
pp. 6401-6406
Mobile Relays Based Federation of Multiple Wireless Sensor Network Segments with Reduced-latency
Jerome Stanislaus (University of Maryland, Baltimore County, USA); Mohamed Younis (University of Maryland Baltimore County, USA)
pp. 6407-6411

MEDAL: A Moving Direction and Destination Location Based Routing Algorithm for Vehicular Ad Hoc Networks
Xu Wu (Southeast University, P.R. China); Hui Tong (Southeast University, P.R. China); Nathalie Mitton (Inria Lille - Nord Europe, France); Jun Zheng (Southeast University, P.R. China)
pp. 6412-6416

WN-17: Wireless networks

A Theoretical Framework for Mitigating Delay in 3D Wireless Data Center Networks
Kai Zhou (Shanghai Jiao Tong University, P.R. China); Xiaohua Tian (Shanghai Jiaotong University, P.R. China); Yu Cheng (Illinois Institute of Technology, USA)
pp. 6417-6421

A Novel Communication-Based Train Control (CBTC) System with Cooperative Wireless Relaying
Li Zhu (Carleton University, Canada); F. Richard Yu (Carleton University, Canada); Bing Ning (State Key Laboratory of Rail Traffic Control and Safety, P.R. China); Tao Tang (Beijing Jiaotong University, P.R. China)
pp. 6422-6426

MFW: Mobile Femtocells utilizing WiFi
Mahmoud H. Qutqut (Queen's University, Canada); Fadi M. Al-Turjman (University of Guelph, Canada); Hossam S. Hassanein (Queen's University, Canada)
pp. 6427-6431

Crossover Node Discovery for IEEE 802.11s Wireless Mesh Networks
Li-Hsing Yen (National University of Kaohsiung, Taiwan); Jiun-Jang Su (National Chiao Tung University, Taiwan); Kuei-Li Huang (ITRI, Taiwan); Chien-Chao Tseng (National Chiao-Tung University, Taiwan); Kuan-Ming Liao (National Chiao-Tung University, Taiwan)
pp. 6432-6437

Clustering Wireless Sensors Networks with FFUCA
Said Fouchal (Université Claude Bernard Lyon 1, France); Djamel Mansouri (USTHB, Algeria); Lynda Mokdad (Université de Paris 12 & Laboratoire LACL, France); Jalel Ben-Othman (University of Paris 13, France); Malika Ioualalen (USTHB, Algeria)
pp. 6438-6443

WN-18: Quality-of-service provisioning

Modeling and QoS Analysis of IEEE 802.11 Broadcast Scheme in Vehicular Ad Hoc Networks
Baozhu Li (Beijing University of Posts and Telecommunications, P.R. China); Bo HU (Beijing University of Posts and Telecommunications, P.R. China); Ren Ping Liu (CSIRO, Australia); Shanzhi Chen (China Academy of Telecommunication Technology & Datang Telecom Technology & Industry Group, P.R. China)
pp. 6444-6448

Optimal Stochastic Subcarrier and Power Allocations for QoS-Guaranteed Services in OFDMA Multicell Cooperation Networks
Ping Wang (Texas A&M University, Department of Electrical and Computer Engineering, USA); Xi Zhang (Texas A&M University, ECE Department, USA); Mei Song (, P.R. China)
pp. 6449-6453

Cooperation of Heterogeneous Wireless Networks in End-to-End Congestion Control for QoS Provisioning
Neda Mohammadizadeh (University of Waterloo, Canada); Weihua Zhuang (University of Waterloo, Canada)
pp. 6454-6458
Wahyu Pramudito (University of Manchester, United Kingdom); Emad Alsusa (Manchester University, United Kingdom)
pp. 6459-6463

Traffic-aware Utility based QoS Provisioning in OFDMA Hybrid Smallcells
Ravikumar Balakrishnan (Georgia Institute of Technology & I, USA); Berk Canberk (Istanbul Technical University, Turkey); Ian F. Akyildiz (Georgia Institute of Technology, USA)
pp. 6464-6468