

Monday, 08 April 2013
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MAC 01: Spectrum Sensing/Interference Co-existence

Energy-Efficient Transmission with Cooperative Spectrum Sensing in Cognitive Radio Networks

Yan Gao (Beijing University of Posts and Telecommunications, P.R. China); Wenjun Xu (Beijing University of Posts and Telecommunications, P.R. China); Kewen Yang (Beijing University of Posts and Telecommunications, P.R. China); Kai Niu (Beijing University of Posts and Telecommunications, P.R. China); Jiaru Lin (Beijing University of Posts and Telecommunications, P.R. China)

Schemes for Mitigating Adjacent Channel Interference in Coexisting TDD-FDD Systems

Wei Wang (DOCOMO Beijing Communications Laboratories Co., Ltd, P.R. China); Yang Lan (DOCOMO Beijing Communications Laboratories Co., Ltd, P.R. China); Atsushi Harada (DOCOMO Beijing Communications Laboratories Co., Ltd., P.R. China)

The Impact of Reporting MAC on Cooperative Spectrum Sensing in Multiband Cognitive Networks

Xia Li (RWTH Aachen, Germany); Marina Petrova (RWTH Aachen University, Germany); Petri MŠhšnen (RWTH Aachen University, Germany)

Energy Efficient Techniques with Sensing Time Optimization in Cognitive Radio Networks

Xiaohui Li (Xidian University, P.R. China); Jianlong Cao (Xidian University, P.R. China); Qiong Ji (Xidian University, P.R. China); Yongqiang Hei (Xidian University, P.R. China)

Distributed Iterative Time Slot Allocation for Spectrum Sensing Information Sharing in Cognitive Radio Ad Hoc Networks

Jarmo LundŽn (Aalto University School of Electrical Engineering, Finland); Mehul Motani (National University of Singapore, Singapore); H. Vincent Poor (Princeton University, USA)

Improving Reinforcement Learning Algorithms for Dynamic Spectrum Allocation in Cognitive Sensor Networks

Leonardo Roveda Faganello (Federal University of Rio Grande do Sul, Brazil); Rafael Kunst (Federal University of Rio Grande do Sul (UFRGS), Brazil); Cristiano Bonato Both (Federal University of Rio Grande do Sul, Brazil); Lisandro Z Granville (Federal University of Rio Grande do Sul, Brazil); Juergen Rochol (UniversityFederal do Rio Grande do Sul, Brazil)

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MAC 02: IEEE 802.15.4/ Wireless Sensor Networks

Performance Analysis of a Multi-PHY Coexistence Mechanism for IEEE 802.15.4g FSK Network

Chin-Sean Sum (National Institute of Information and Communications Technology, Japan); Fumihide Kojima (National Institute of Information and Communications Technology, Japan); Hiroshi Harada (National Institute of Information & Communications Technology (NICT), Japan)

Enabling Rapid Prototyping of Reconfigurable MAC Protocols for Wireless Sensor Networks

Xi Zhang (RWTH Aachen University, Germany); Junaid Ansari (RWTH Aachen University, Germany); Luis Miguel Amoros Martinez (Universitat Polit•cnica de Catalunya, Spain); Noemi Arbos Linio (Polytechnic University of Catalonia, Spain); Petri MŠhšnen (RWTH Aachen University, Germany)

Robust Transmission of the IEEE 802.15.4 Signal in the Presence of Co-channel Interference

Jin-Seok Han (Seoul national university, Korea); Tae-Hoon Kim (Seoul National University, Korea); Yong-Hwan Lee (Seoul National University, Korea)

Channel Ranking Based on Packet Delivery Ratio Estimation in Wireless Sensor Networks

Hamidreza Shariatmadari (Aalto University, Finland); Aamir Mahmood (Aalto University, Finland); Riku JŠntti (Aalto University School of Electrical Engineering, Finland)

Alleviation of contention collision in IEEE 802.15.4 networks

Tae-Hoon Kim (Seoul National University, Korea); Jin-Seok Han (Seoul national university, Korea); Hyung-Sin Kim (Seoul National University, Korea); Yong-Hwan Lee (Seoul National University, Korea)

A Distributed MAC Scheme to Avoid Collisions Among Multiple Wireless Personal Area Networks

Peng-Yong Kong (Khalifa University of Science, Technology & Research (KUSTAR), UAE)

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MAC 03: Cognitive Radio I

Efficient Data Transmission with Random Linear Coding in Multi-Channel Cognitive Radio Networks

Changliang Zheng (Beijing University of Posts and Telecommunications & Macquarie University, P.R. China); Eryk Dutkiewicz (Macquarie University, Australia); Ren Ping Liu (CSIRO, Australia); Rein Vesilo (Macquarie University, Australia); Zheng Zhou (Beijing University of Posts and Telecommunications, P.R. China)

A Non-cooperative Hierarchical Opportunistic Spectrum Access for Cognitive Radio Networks

Habachi Oussama (LIA, France)

Reciprocal Learning for Cognitive Medium Access

Xianfu Chen (VTT Technical Research Centre of Finland, Finland); Zhifeng Zhao (Zhejiang University, P.R. China); David Grace (University of York, United Kingdom); Honggang Zhang (UniversitÉ EuropÉenne de Bretagne (UEB) & Supelec, France)

Providing Complete Rendezvous Guarantee for Cognitive Radio Networks by Quorum Systems and Latin Squares

Chih-Min Chao (National Taiwan Ocean University, Taiwan); Hsiang-Yuan Fu (National Taiwan Ocean University, Taiwan)

Minimum Interference Topology Construction for Robust Multi-Hop Cognitive Radio Networks

Po-Kai Tseng (Academia Sinica, Taiwan); Wei-Ho Chung (Academia Sinica, Taiwan); Pi-Cheng Hsiu (Academia Sinica, Taiwan)

Centralized Compressed Sensing with Structurally Random Matrix in Cognitive WLAN over Fiber

Shan Baokun (Beijing University of Post and Telecommunications, P.R. China); Hong Ji (Beijing University of Posts and Telecommunications, P.R. China); Yi Li (Beijing University of Posts and Telecommunications, P.R. China)

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MAC 04: Device-to-Device Communications

Resource Allocation Scheme for Device-to-Device Communication for Maximizing Spatial Reuse

Dong Heon Lee (Seoul National University, Korea); Kaewon Choi (University of Manitoba, Canada); Wha Sook Jeon (Seoul National University, Korea); Dong Geun Jeong (Hankuk University of Foreign Studies, Korea)

Group-wise channel sensing and resource pre-allocation for LTE D2D on ISM band

Bin Zhou (Shanghai Research Center for Wireless Communications, P.R. China); Saisai Ma (Hohai University, P.R. China); Jing Xu (Shanghai Institute of Microsystem and Information Technology, and SHRCWC, P.R. China); Zhenhong Li (Renesas Mobile Corporation, P.R. China)

Enhanced Power Management for Wi-Fi Direct

Keun-Woo Lim (Ajou University, Korea); Woo-Sung Jung (Ajou University, Korea); Hanna Kim (Ajou University, Korea); Jina Han (Ajou University, Korea); Young-Bae Ko (Ajou University, Korea)

Resource Allocation Using Particle Swarm Optimization for D2D Communication Underlay of Cellular Networks

Lin Su (Tongji University, P.R. China); Yusheng Ji (National Institute of Informatics, Japan); Ping Wang (Tongji University, P.R. China); Fuqiang Liu (Tongji University, P.R. China)

Joint Scheduling and Resource Allocation for Device-to-Device Underlay Communication

Feiran Wang (Peking University, P.R. China); Lingyang Song (Peking University, P.R. China); Zhu Han (University of Houston, USA); Qun Zhao (DoCoMo Beijing Labs, P.R. China); Xiaoli Wang (Docomo Beijing Communications Lab, P.R. China)

Interference-Aware Graph Based Resource Sharing for Device-to-Device Communications Underlying Cellular Networks

Rongqing Zhang (Peking University, P.R. China); Xiang Cheng (Peking University, P.R. China); Bingli Jiao (Peking University, P.R. China)

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MAC 05: Energy Efficient Design

Energy Efficiency of Outage Constrained Two-Tier Heterogeneous Cellular Networks

Jaya B Rao (University of Calgary, Canada); Abraham O Fapojuwo (University of Calgary, Canada)

Cross-layer Design Based Sustainability and Energy-efficiency Optimization in Femtocell Networks with Sustainable Energy

Ying Xu (Beijing University of Posts and Telecommunications, P.R. China); Zhiyong Feng (Beijing University of Posts and Telecommunications, P.R. China); Hongjia Li (Institute of Acoustics, Chinese Academy of Sciences, P.R. China); Yuchi Zhang (Beijing University of Posts and Telecommunications, P.R. China); Ping Zhang (WTI-BUPT, P.R. China); Song Ci (University of Nebraska-Lincoln, USA)

GreenBase: An Energy-Efficient Middleware for Baseband Units

Jiayu Gong (Wayne State Univ, USA); Zhen Kong (Wayne State University, USA); Cheng-Zhong Xu (Wayne State University, USA); Kun Wang (Wayne State University, USA)

Joint Rate and Voltage Adaptation to Save Energy of Software Radios in Underutilized WLAN

Kyoung-Hak Jung (Pohang University of Science and Technology (POSTECH), Korea); Young-Joo Suh (Pohang University of Science and Technology (POSTECH), Korea); Chansu Yu (Cleveland State University, USA)

An Energy-Efficient User Scheduling Scheme for Multiuser MIMO Systems with RF Chain Sleeping

Xu Zhang (Tsinghua University, P.R. China); Sheng Zhou (Tsinghua University, P.R. China); Zhisheng Niu (Tsinghua University, P.R. China); Xiaokang Lin (Tsinghua University, P.R. China)

Picocell-Density Based Energy-Saving for QoS Provisioning in Heterogeneous Networks

Li Wang (Beijing University of Posts and Telecommunications, P.R. China); Xi Zhang (Texas A&M University, ECE Department, USA); Wen Zhu (BUPT, P.R. China); Mei Song, (P.R. China)

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MAC 06: Multicast

Resource Allocation Scheme for MDC Multicast in CRNs with Imperfect Channel Information

Shengyu Li (Beijing University of Posts and Telecommunications, P.R. China); Wenjun Xu (Beijing University of Posts and Telecommunications, P.R. China); Kewen Yang (Beijing University of Posts and Telecommunications, P.R. China); Kai Niu (Beijing University of Posts and Telecommunications, P.R. China); Jiaru Lin (Beijing University of Posts and Telecommunications, P.R. China)

A Constant Approximation for Multicast Scheduling under Physical Interference Model

Jinyi Zhou (Tsinghua University, P.R. China); Shutao Xia (Tsinghua University, P.R. China); Yong Jiang (Graduate School at Shenzhen, Tsinghua University, P.R. China); Haitao Zheng (Tsinghua University, P.R. China)

Joint Rate and Power allocation for Cooperative Layered Video Multicast Systems

Yan Mei (University of Science and Technology of China, P.R. China); Ling Qiu (PCN&SS Lab, P.R. China)

Resource Allocation for Multiple Description Coding Multicast in OFDM-based Cognitive Radio Systems with Non-full Buffer Traffic

Shuanglu Zhang (Beijing University of Posts and Telecommunications, P.R. China); Wenjun Xu (Beijing University of Posts and Telecommunications, P.R. China); Shengyu Li (Beijing University of Posts and Telecommunications, P.R. China); Jiaru Lin (Beijing University of Posts and Telecommunications, P.R. China)

Joint Power and Location Optimization for Analog Network Coding with Multi-Antenna Sources

Prabhat Kumar Upadhyay (Indian Institute of Technology Indore, India); Shankar Prakriya (Indian Institute of Technology, Delhi, India)

A Distributed Multiple Description Coding Multicast Resource Allocation Scheme in OFDM-based Cognitive Radio Network

Kewen Yang (Beijing University of Posts and Telecommunications, P.R. China); Wenjun Xu (Beijing University of Posts and Telecommunications, P.R. China); Shengyu Li (Beijing University of Posts and Telecommunications, P.R. China); Jiaru Lin (Beijing University of Posts and Telecommunications, P.R. China)

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MAC 07: Scheduling

An Optimization Approach to Energy-Efficient Transmissions with Strict Deadlines

Xin Wang (Florida Atlantic University, USA)

Laxity-Based Opportunistic Scheduling with Flow-Level Dynamics and Deadlines

Huasen Wu (Beihang University, Beijing, P.R. China); Youguang Zhang (Beihang University, P.R. China); Xin Liu (UC Davis, USA)

Scheduling for Backhaul Load Reduction in CoMP

Tilak Rajesh Lakshmana (Chalmers University of Technology, Sweden); Jingya Li (Chalmers University of Technology, Sweden); Carmen Botella (University of Valencia, Spain); Agisilaos Papadogiannis (Chalmers University of Technology, Sweden); Tommy Svensson (Chalmers University of Technology, Sweden)

Routing and Link Scheduling with QoS in IEEE 802.16 Mesh Networks

Stephen Nsoh (University of Lethbridge, Canada); Robert Benkoczi (University of Lethbridge, Canada)

An Enhanced Proportional Fair Scheduling Algorithm to Maximize QoS Traffic in Downlink OFDMA Systems

I-Fen Chao (Yuan Ze University, Taiwan); Chuei-Sheng Chiou (Department of Electrical Engineering, Yuan Ze University, Taiwan)

Scheduling for Fading Channels Under Partial Channel Information

Santanu Mondal (Indian Institute of Science, India); Vinod Sharma (Indian Institute of Science, India)

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MAC 08: Machine-Type Communications

A Scalable Hybrid MAC Protocol for Massive M2M Networks

Yi Liu (Singapore University of Technology and Design, Singapore); Chau Yuen (Singapore University of Technology and Design, Singapore); Jiming Chen (Zhejiang University, P.R. China); Xianghui Cao (Illinois Institute of Technology, USA)

Dynamic Resource Allocation for Machine-Type Communications in LTE/LTE-A with Content-Based Access

Kaijie Zhou (Eurecom, France); Navid Nikaein (Eurecom, France); Raymond Knopp (Institut Eurecom, France)

Packet Aggregation for Machine Type Communications in LTE with Random Access Channel

Kaijie Zhou (Eurecom, France); Navid Nikaein (Eurecom, France)

Improving reliability and efficiency of communications in WSNs under high traffic demand

Daniel Alonso-Román (Universidad de Valencia, Spain); Eugenio Celada-Funes (Universidad de Valencia, Spain); C̄sar Asensio-Marco (Universidad de Valencia, Spain); Baltasar Beferull-Lozano (Universidad de Valencia, Spain)

Efficient Multi-Receiver Message Aggregation for Short Message Delivery in M2M Networks

Lei Zheng (UVic, Canada); Siyu Lin (Beijing Jiaotong University, P.R. China); Lin Cai (University of Victoria, Canada)

A Go-back-N HARQ Time Bundling for Machine Type Communication devices in LTE TDD

Shiann-Tsong Sheu (National Central University, Taiwan); Kai-Hua Kuo (National Central University, Taiwan); Chih-Cheng Yang (National Central University, Taiwan); Yen-Ming Sheu (National Central University, Taiwan)

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MAC 09: Cognitive Radio II

Obtaining Consistent Good/Bad Plan Set in the Presence of Faults

Chien-Fu Cheng (Tamkang University, Taiwan)

Traffic Pattern-Based Reward Maximization for Secondary User in Dynamic Spectrum Access

Muhammad Ejaz Ahmed (Kyung Hee University, Korea); Ju Bin Song (Kyung Hee University, Korea); Zhu Han (University of Houston, USA)

Modeling and Analysis of An Opportunistic Transmission Scheme Based on Channel Quality Information in Multi-Channel Cognitive Networks

Xiaodong Peng (Tsinghua University, P.R. China); Limin Xiao (Tsinghua University, P.R. China); Xiaofeng Zhong (Tsinghua University, P.R. China); Yunzhou Li (Tsinghua University, P.R. China); Shidong Zhou (Tsinghua University, P.R. China)

Game-Theoretic Channel Selection for Interference Mitigation in Cognitive Radio Networks with Block-Fading Channels

Yuhua Xu (Institute of Communications Engineering, PLA University of Science and Technology, P.R. China); Alagan Anpalagan (Ryerson University, Canada); Qihui Wu (PLA University of Sci. & Tech., P.R. China); Jinlong Wang (PLA University of Science and Technology, P.R. China); Liang Shen (PLA University of Science and Technology, P.R. China); Gao Zhan (Institute of Communications Engineering, P.R. China)

Resource Discovery Algorithms for Channel Aggregation in Cognitive Radio Networks

Luca Zappaterra (The George Washington University, USA); Joseph Gomes (Bowie State University, USA); Amrinder Arora (The George Washington University, USA); Hyeong-Ah Choi (The George Washington University, USA)

Common Control Channel Assignment in Cognitive Radio Networks Using Potential Game Theory

Yanqing Liu (Baylor University, USA); Liang Dong (Baylor University, USA); Robert J. Marks (Baylor University, USA)

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MAC 10: IEEE 802.11 Wireless LANs

Achieving Optimum Network Throughput and Service Differentiation for IEEE 802.11e EDCA Networks

Yayu Gao (City University of Hong Kong, Hong Kong); Sun Xinghua (City University of Hong Kong, Hong Kong); Lin Dai (City University of Hong Kong, Hong Kong)

Enhancing WLAN Backoff Procedures for Downlink MU-MIMO Support

Chunhui Zhu (Samsung Electronics, USA); Anirudh Bhatt (Samsung Electronics, India); Youngsoo Kim (Samsung Electronics, Korea); Chiu Ngo (Samsung, USA)

A Novel Beacon-based Collision-Free Channel Access Mechanism over IEEE 802.11 WLANs

Mehmet Fatih Tuysuz (Gebze Institute of Technology, Turkey); Gokhan Celik (Gebze Institute of Technology, Turkey); Mahmud Celenioglu (Gebze Institute of Technology, Turkey)

Specification versus reality: Experimental evaluation of link capacity estimation in IEEE 802.11

Stephen M Glass (NICTA, Australia); Jonathan Guerin (University of Queensland, Australia); Peizhao Hu (NICTA, Australia); Marius Portmann (University of Queensland, Australia); Wee Lum Tan (National ICT Australia, Australia)

An Uninterrupted Collision-Free Channel Access Scheme over IEEE 802.11 WLANs

Mehmet Fatih Tuysuz (Gebze Institute of Technology, Turkey); Gokhan Celik (Gebze Institute of Technology, Turkey); Mahmud Celenioglu (Gebze Institute of Technology, Turkey)

Channel Assignment in Multi-Rate 802.11n WLANs

Dawei Gong (Stony Brook University, USA); Miao Zhao (Multimedia Networking Research Lab of Huawei Technologies, USA); Yuanyuan Yang (Stony Brook University, USA)

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MAC 11: Cooperative Communications I

Coordinated Dynamic Physical Carrier Sensing based on Local Optimization in Wireless Ad hoc Networks

Xinming Zhang (University of Science and Technology of China, P.R. China); Guoqing Qiu (University of Science and Technology of China, P.R. China); Zhilong Dai (University of Science and Technology of China, P.R. China); Dan Keun Sung (Korea Advanced Institute of Science and Technology, Korea)

An Enhanced Cooperative MAC Protocol Based on Perceptron Training

Peijian Ju (University of New Brunswick, Canada); Wei Song (University of New Brunswick, Canada); Dizhi Zhou (University of New Brunswick, Canada)

Cooperative Wireless Transmissions of Dynamic Power Price and Supply Information for Smart Grid

Peng-Yong Kong (Khalifa University of Science, Technology & Research (KUSTAR), UAE); Youngnam Han (KAIST, Korea)

A Cooperative MAC Protocol Based on 802.11 in Wireless Ad hoc Networks

Jang-Ping Sheu (National Tsing Hua University, Taiwan); Jung-Tzu Chang (National Tsing Hua University, Taiwan); Chuang Ma (National Tsing Hua University, Taiwan)

Aggregate Throughput Maximization in a Hierarchical Cooperation Scheme under Consideration of Packet Arrival Rate, Control and Data Overhead

Inkyu Bang (Korea Advanced Institute of Science and Technology, Korea); Eunmi Chu (Korea Advanced Institute of Science and Technology, Korea); Taehoon Kim (Korea Advanced Institute of Science and Technology, Korea); Seong Hwan Kim (Korea Advanced Institute of Science and Technology, Korea); Dan Keun Sung (Korea Advanced Institute of Science and Technology, Korea)

A Cooperative ARQ Scheme for Infrastructure WLANs

Nischal S (Indian Institute of Science, India); Vinod Sharma (Indian Institute of Science, India)

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MAC 12: Femtocells I

Self-Organizing Fractional Frequency Reuse for Femtocells Using Adaptive Frequency Hopping

Markus Putzke (TU Dortmund University, Germany); Christian Wietfeld (TU Dortmund University, Germany)

Distributed Resource Allocation for OFDMA Femtocell Networks with Macrocell Protection

Vu Nguyen Ha (INRS, University of Quebec, Canada); Long Bao Le (INRS, University of Quebec, Canada)

On the Cooperation Between Cognitive Radio Users and Femtocell Networks for Cooperative Spectrum Sensing and Self-Organization

Yun Li (The University of Tokyo, Japan); Honggang Zhang (Université Européenne de Bretagne (UEB) & Supelec, France); Tohru Asami (The University of Tokyo, Japan)

Dual-Utility based Green Power Game in Two-Tier OFDMA Femtocell Networks with Firefly Algorithm

Wei Li (Beijing University of Posts and Telecommunications, P.R. China); Wei Zheng (BUPT, P.R. China); Tao Su (Beijing University of Posts and Telecommunications, P.R. China); Xiangming Wen (Beijing University of Posts and Telecommunications, P.R. China)

Distributed Uplink Power Control for Two-Tier Femtocell Networks via Convex Pricing

Liu Jingfang (Beijing University of Posts and Telecommunications, P.R. China); Wei Li (Beijing University of Posts and Telecommunications, P.R. China); Wei Zheng (BUPT, P.R. China); Xidong Wang (Beijing University of Posts and Telecommunications, P.R. China); YuanBao Xie (Beijing University of Posts and Telecommunications, P.R. China)

Exponential Backoff in Frequency-domain for Random Access in OFDMA Femtocells

Abdulmohsen Mutairi (University of Washington, USA); Sumit Roy (University of Washington, USA)

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MAC 13: Relay Systems I

Energy Efficiency in the Wideband Regime

Guowang Miao (KTH, Royal Institute of Technology, USA); Anders Vastberg (Royal Institute of Technology (KTH), Sweden)

A Spectrum Allocation Scheme for Adjacent Channel Interference Mitigation in Relay Backhaul Link in Coexisting FDD and TDD Systems

Yang Lan (DOCOMO Beijing Communications Laboratories Co., Ltd, P.R. China); Atsushi Harada (DOCOMO Beijing Communications Laboratories Co., Ltd., P.R. China)

Physical Layer Network Coding for the K-user Multiple Access Relay Channel

Vijayaradharaj Muralidharan (Indian Institute of Science, India); B. Sundar Rajan (Indian Institute of Science, India)

Optimal Power Allocation for OFDM-Based Two-Way Relaying in Cognitive Radio Networks

Yong Li (Beijing University of Posts and Telecommunications, P.R. China); Xiang Zhang (Beijing University of Posts and Telecommunications, P.R. China); Mugen Peng (Beijing University of posts & Telecommunications, P.R. China); Wenbo Wang (Beijing University of Posts and Telecommunications, P.R. China)

Optimization of Subcarrier Allocation in Highly Dynamic Cellular Relay Networks

Xue Han (institute of computing Technology Chinese Academy of science, P.R. China); Guoqiang Mao (The University of Sydney, Australia); Zichen Liu (Institute of Computing Technology, P.R. China); Liang Huang (Institute of Computing Technology, Chinese Academy of Science, P.R. China); Manli Qian (Institute of Computing Technology, Chinese Academy of Sciences, P.R. China); Jinglin Shi (Institute of Computing Technology, Chinese Academy of Sciences, P.R. China)

Energy Optimization for Stable Two-Way Relaying with a Multi-Access Uplink

Chen Zhi (National University of Singapore, Singapore); Teng Joon Lim (National University of Singapore, Singapore); Mehul Motani (National University of Singapore, Singapore)

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MAC 14: LTE Advanced

Performance of LTE-Advanced Macro-Pico Heterogeneous Networks

Na Lu (Technology Innovation Center, China Telecom Corp. Ltd., P.R. China); Xuetian Zhu (China Telecommunication Beijing Research Institute, P.R. China); Zheng Jiang (Technology Innovation Center, China Telecom Corp. Ltd, P.R. China); Xiaodong Lu (Technology Innovation Center, China Telecom Corp. Ltd, P.R. China); Fengyi Yang (Technology Innovation Center, China Telecom Corp. Ltd, P.R. China); Qi Bi (Technology Innovation Center, China Telecom Corp. Ltd, P.R. China)

Energy-Efficient DRX Scheduling for Multicast Transmissions in 3GPP LTE-Advanced Wireless Networks

Jia-Ming Liang (National Chiao Tung University, Taiwan); Po-Chun Hsieh (Department of Computer Science, National Chiao-Tung University, Taiwan); Jen-Jee Chen (National University of Tainan, Taiwan); Yu-Chee Tseng (National Chiao-Tung University, Taiwan)

A novel Inter-cell Coordinated Scheduling approach using Application Reservation Information

Vincenzo Sciancalepore (Institute IMDEA Networks, Italy); Xavier Costa-Perez (NEC Laboratories Europe, Germany); Antonio Capone (Politecnico di Milano, Italy)

Improving MU-MIMO Performance in LTE-(Advanced) by Efficiently Exploiting Feedback Resources and through Dynamic Scheduling

Ankit Bhamri (Institute Eurecom, Sophia Antipolis, France); Florian Kaltenger (Eurecom, France); Raymond Knopp (Institut Eurecom, France); Jyri Hämäläinen (Helsinki University of Technology, Finland)

Optimizing DRX Configuration to Improve Battery Power Saving and Latency of Active Mobile Applications over LTE-A Network

Ali T Koc (Intel Corporation, USA); Satish Chandra Jha (University of British Columbia, Canada); Rath Vannithamby (Intel, USA); Murat Torlak (The University of Texas at Dallas, USA)

Enhanced Component Carrier Selection and Power Allocation in LTE-Advanced Downlink Systems

Wei-Ching Ho (National Chiao Tung University, Taiwan); Li-Ping Tung (National Chiao Tung University, Taiwan); Tain-Sao Chang (National Chiao Tung University, Taiwan); Kai-Ten Feng (National Chiao Tung University, Taiwan)

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MAC 15: Power Control

An Energy Efficient Subcarrier-power Allocation Scheme for Polarization-amplitude-phase Modulation in Channel with Polarization Mode Dispersion

Dong Wei (Beijing University of Posts and Telecommunications, P.R. China); Feng Chunyan (Beijing University of Posts and Telecommunications, P.R. China); Caili Guo (Beijing University of Posts and Telecommunications, P.R. China)

Online QoS-based Dynamic Scheduling in Multi-channel Wireless Networks

Khoa Tran Phan (McGill University, Canada); Tho Le-Ngoc (McGill University, Canada)

Feasibility Problem of Channel Spatial Reuse in Power-Controlled Wireless Communication Networks

Po-Chiang Lin (Yuan Ze University, Taiwan)

Delay Constrained Energy Minimization in UWB Wireless Networks

Yalcin Sadi (Koç University, Turkey); Sinem Coleri Ergen (Koc University, Turkey)

Power control based Semi-Distributed Algorithm for MIMO Interference Channel

Slim Ben Halima (Orange Labs, France); Ahmed Saadani (Orange Labs, France)

An Iterative Two-Step Algorithm for Energy Efficient Resource Allocation in Multi-Cell OFDMA Networks

Hui Liu (Beijing University of Posts and Telecommunications, P.R. China); Wei Zheng (BUPT, P.R. China); Haijun Zhang (Centre for Telecommunications Research, King's College London, United Kingdom); Zhicai Zhang (Beijing University of Posts and Telecommunications, P.R. China); Xiang Ming Wen (Beijing University of posts and telecommunications, P.R. China)

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MAC 16: Cooperative Communications II

A Cooperative Spectrum Sensing Scheme Based on the Bayesian Reputation Model in Cognitive Radio Networks

Ming Zhou (Zhejiang University, P.R. China); Jiafeng Shen (China Mobile, P.R. China); Huifang Chen (Zhejiang University, P.R. China); Lei Xie (Zhejiang University, P.R. China)

Joint Temporal and Spatial Spectrum Sharing in Cognitive Radio Networks: A Region-based Approach with Cooperative Spectrum Sensing

Qian Li (Beijing University of Posts and Telecommunications, P.R. China); Zhiyong Feng (Beijing University of Posts and Telecommunications, P.R. China); Wei Li (University of Victoria, Canada); T. Aaron Gulliver (University of Victoria, Canada)

Joint Relay Assignment and Channel Allocation for Energy-Efficient Cooperative Communications

Peng Li (The University of Aizu, Japan); Song Guo (The University of Aizu, Japan); Zixue Cheng (University of Aizu, Japan); Athanasios V. Vasilakos (National Technical University of Athens, Greece)

Performance Optimization of Cooperative Spectrum Sensing in Cognitive Radio Networks

Jin Lai (Macquarie University, Australia); Eryk Dutkiewicz (Macquarie University, Australia); Ren Ping Liu (CSIRO, Australia); Rein Vesilo (Macquarie University, Australia)

Stability Analysis in a Cognitive Radio System with Cooperative Beamforming

Mohammed Karmoose (Alexandria University, Egypt); Ahmed Sultan (Alexandria University, Egypt); Moustafa Youssef (Egypt-Japan University of Science and Technology (E-JUST), Egypt)

Overlapping Coalition Formation Games for Cooperative Interference Management in Small Cell Networks

Zengfeng Zhang (Peking University, P.R. China); Lingyang Song (Peking University, P.R. China); Zhu Han (University of Houston, USA); Walid Saad (University of Miami, USA); Zhaohua Lu (ZTE, P.R. China)

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MAC 17: Femtocells II

Clustering Based Interference Management for QoS Guarantees in OFDMA Femtocell

Shangjing Lin (Beijing University of Posts and Telecommunications, P.R. China); Hui Tian (Beijing university of posts and telecommunications, P.R. China)

Joint Dynamic Frequency Allocation and Routing Strategy for Optimizing the Power Consumption and Data Rate of OFDMA based Femtocell Networks

Wahyu Pramudito (University of Manchester, United Kingdom); Emad Alsusa (Manchester University, United Kingdom)

Cell Association and Handover Management in Femtocell Networks

Hui Zhou (Auburn University, USA); Donglin Hu (Auburn University, USA); Shiwen Mao (Auburn University, USA); Prathima Agrawal (Auburn University, USA); Saketh Anuma Reddy (Auburn University, USA)

A Distributed Non-uniform Pricing Approach for Power Optimization in Spectrum-Sharing Femtocell Network

Xin Li (Beijing University of Posts and Telecommunications, P.R. China); Xinning Zhu (Beijing University of Posts and Telecommunications, P.R. China); Leijia Wu (University of Technology, Sydney, Australia); Kumbesan Sandrasegaran (University of Technology, Sydney, Australia)

A Coloring-based Resource Allocation for OFDMA Femtocell Networks

Qian Zhang (Beijing University of Posts and Telecommunications, P.R. China); Xinning Zhu (Beijing University of Posts and Telecommunications, P.R. China); Leijia Wu (University of Technology, Sydney, Australia); Kumbesan Sandrasegaran (University of Technology, Sydney, Australia)

Joint Relay, Subcarrier and Power Allocation for OFDMA-Based Femtocell Networks

Amila Tharaperiya Gamage (University of Waterloo, Canada); Md. Shamsul Alam (University of Waterloo, Canada); Sherman Shen (University of Waterloo, Canada); Jon Mark (University of Waterloo, Canada)

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MAC 18: Relay Systems II

Packet Relaying Control in Sensing-based Spectrum Sharing Systems

Fotis Foukalas (Qatar University, Qatar); Tamer Khattab (Qatar University, Qatar); H. Vincent Poor (Princeton University, USA)

Energy-Efficient Power Allocation for Cooperative Relaying Cognitive Radio Networks

Mengyao Ge (Nanjing University, P.R. China); Shaowei Wang (Nanjing University, P.R. China)

Total Energy Minimization through Dynamic Station-User Connection in Macro-Relay Network

Li Xin (SEU, P.R. China); Hao Wang (Southeast University, P.R. China); Chao Meng (Southeast University, P.R. China); Xinyu Wang (Southeast University, P.R. China); Nan Liu (Southeast University, P.R. China); Xiaohu You (National Mobile communication Research Lab., Southeast University, P.R. China)

Relay Station Selection and Power Allocations for Multiple Description-Coded Video in Wireless Mesh Networks

Abdulelah Alganas (McMaster University, Canada); Dongmei Zhao (McMaster University, Canada)

Joint Power Allocation and Subcarrier Assignment for Two-Way OFDM Multi-Relay System

Qi Jiang (Xi'an Jiaotong University, P.R. China); Liao Xuewen (Xi'an Jiaotong University, P.R. China); Hongbin Chen (Guilin University of Electronic Technology, P.R. China)

Relay Selection with No Side Information: An Adversarial Bandit Approach

Setareh Maghsudi (Technische Universitt Berlin, Germany); Slawomir Stanczak (Fraunhofer Heinrich Hertz Institute, Germany)

Wednesday, 10 April 2013

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MAC 19: Cognitive Radio III

Link Adaptation on Aggregated TVWS Channels

Zinan Lin (InterDigital, USA); Alpaslan Demir (InterDigital Communications, LLC, USA)

Dynamic Spectrum Leasing under Uncertainty: a Stochastic Variational Inequality Approach

Siduo Shen (The Chinese University of Hong Kong, Hong Kong); Xingqin Lin (University of Texas at Austin, USA); Tat M. Lok (The Chinese University of Hong Kong, Hong Kong)

Broadcasting in Multichannel Cognitive Radio Ad Hoc Networks

Zaw Htike (Kyung Hee University, Korea); Choong Seon Hong (Kyung Hee University, Korea)

An Energy-preserving Spectrum Access Strategy in Cognitive Radio Networks

Yalong Xiao (Central South University, P.R. China); Shigeng Zhang (Central South University, P.R. China); Jiannong Cao (Hong Kong Polytechnic Univ, Hong Kong); Jianxin Wang (Central South University, P.R. China)

An Energy Efficient Resource Allocation in Cognitive Radio Networks with Pairwise NBS Optimization for Multi-Secondary Users

Ying-lei Teng (Beijing University of Posts and Telecommunications, P.R. China); Yuanyuan Liu (Beijing University of Posts and Telecommunications, P.R. China); Yong Zhang (Beijing University of Posts and Telecommunications, P.R. China)

Design and Implementation of a Wi-Fi Prototype System in TVWS based on IEEE 802.11 af

Zhou Lan (National Institute of Information and Communications Technology, Japan); Keiichi Mizutani (National Institute of Information and Communications Technology, Japan); Gabriel Villardi (National Institute of Information and Communications Technology (NICT), Japan); Hiroshi Harada (National Institute of Information & Communications Technology (NICT), Japan)

Wednesday, 10 April 2013

14:00-15:30

MAC 20: Heterogeneous Networks

Dedicated Carrier Deployment in Heterogeneous Networks with Inter-site Carrier Aggregation

Hua Wang (Aalborg University, Denmark); Claudio Rosa (Nokia Siemens Networks/Aalborg, Denmark); Klaus Pedersen (Nokia Siemens Networks, Denmark)

Optimal Intra-Cell Cooperation With Precoding in Wireless Heterogeneous Networks

Yiran Xu (Utah State University, USA); Rose Qingyang Hu (Utah State University, USA); Qian (Clara) Li (Intel Corporation, P.R. China); Yi Qian (University of NebraskaLincoln, USA)

Spectral- and Energy-Efficient Antenna Tilting in a HetNet using Reinforcement Learning

Weisi Guo (University of Warwick, United Kingdom); Siyi Wang (The University of Sheffield, United Kingdom); Yue Wu (University of Sheffield, United Kingdom); Jonathan Michael Rigelsford (The University of Sheffield, United Kingdom); Xiaoli Chu (University of Sheffield, United Kingdom); Timothy O'Farrell (University of Sheffield, United Kingdom)

Uplink power control for heterogeneous networks

Jing Li (Alcatel-Lucent, Shanghai Bell, P.R. China)

Energy Efficient Deployment of HetNets: Impact of Power Amplifier and Delay

M. M. Aftab Hossain (Aalto University, Finland); Konstantinos Koufos (TKK, Finland); Riku Jntti (Aalto University School of Electrical Engineering, Finland)

Selection of Transmission Points for Delay Minimization in LTE-A Heterogeneous Networks with Low-Power RRHs

Cheng-Pang Chien (National Taiwan University, Taiwan); Kai-Min Yang (National Taiwan University, Taiwan); Hung-Yun Hsieh (National Taiwan University, Taiwan)

Wednesday, 10 April 2013

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MAC 21: Resource Allocation

Resource Allocation in a K-User Wireless Broadcast System with N-Layer Superposition Coding

Xuan Wang (University of Victoria, Canada); Lin Cai (University of Victoria, Canada)

Energy-Efficient Resource Allocation Techniques for Battery Management with Energy Harvesting Nodes: a Theoretical Approach

Javier Rubio (Universitat Politècnica de Catalunya, Spain); Antonio Pascual-Iserte (Universitat Politècnica de Catalunya, Spain)

Prediction Based Bandwidth Allocation for Cognitive LTE Network

Alia Asheralieva (The University of Newcastle, Australia)

QoS-aware Resource Allocation Algorithm for OFDMA-WLAN Integrated System

Nan Bao (National Mobile Communications Research Laboratory, Southeast University, P.R. China); Junchao Li (National Mobile Communications Research Laboratory, Southeast University, P.R. China); Weiwei Xia (National Mobile Communications Research Laboratory, Southeast University, P.R. China); Lianfeng Shen (National Mobile Communications Research Laboratory, Southeast University, P.R. China)

Joint Source-Channel Coding for Delay-Constrained Iterative Resource Allocation Algorithms

Andres Kwasinski (Rochester Institute of Technology, USA)

Resource Allocation in Cellular Networks employing Mobile Femtocells with Deterministic Mobility

Sobia Jangsher (The University of Hong Kong, Hong Kong); Victor O. K. Li (University of Hong Kong, P.R. China)

Wednesday, 10 April 2013

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MAC 22: Multiple Access Control

Cell Selection in Two-Tier Femtocell Networks with Open/Closed Access Using Evolutionary Game

Ziqiang Feng (Peking University, P.R. China); Lingyang Song (Peking University, P.R. China); Zhu Han (University of Houston, USA); Dusit Niyato (Nanyang Technological University, Singapore); Xiaowu Zhao (ZTE, P.R. China)

OSC-MAC: Duty Cycle Scheduling and Cooperation in Multi-hop Wireless Sensor Networks

Jian Lin (Georgia Institute of Technology, USA); Mary Ann Ingram (Georgia Institute of Technology, USA)

Game Theoretic Approach to Medium Access Control in Wireless Networks

Seyed Hani Elamahdi Mortazavi Najafabadi (University of Birmingham, United Kingdom); Costas Constantinou (University of Birmingham, United Kingdom)

Performance Evaluation of Receiver Based MAC Using Configurable Framework in WSNs

Rodrigo Steiner (Federal University of Santa Catarina, Brazil); Mohammad Reza Akhavan (King's College London, University of London, United Kingdom); Antônio Augusto Fröhlich (Federal University of Santa Catarina, Brazil); Hamid Aghvami (King's College London, United Kingdom)

Compressive Sensing based Asynchronous Random Access for Wireless Networks

Vahid Shah-Mansouri (University of British Columbia, Canada); Suyang Duan (University of British Columbia, Canada); Ling-Hua Chang (National Chiao Tung University, Taiwan); Vincent W.S. Wong (University of British Columbia, Canada); Jwo-Yuh Wu (National Chiao Tung University, Taiwan)

MAC-Layer Integration of Multiple Radio Bands in Indoor Millimeter Wave Networks

Jian Qiao (University of Waterloo, Canada); Sherman Shen (University of Waterloo, Canada); Jon Mark (University of Waterloo, Canada); Zhiguo Shi (Zhejiang University, P.R. China); Neda Mohammadzadeh (University of Waterloo, Canada)

Wednesday, 10 April 2013

16:00-17:30

MAC 23: LTE Link Layer Design

Efficient Design and Implementation of LTE UE Link-Layer Protocol Stack

Manli Qian (Institute of Computing Technology, Chinese Academy of Sciences, P.R. China); Yiqing Zhou (Chinese Academy of Science, P.R. China); Wei Wei (Institute of Computing Technology, Chinese Academy of Sciences, P.R. China); Yi Huang (Institute of Computing Technology, China Academy of Sciences, P.R. China); Yuanyuan Wang (Institute of Computing Technology, Chinese Academy of Sciences, P.R. China); Jinglin Shi (Institute of Computing Technology, Chinese Academy of Sciences, P.R. China)

A comprehensive and practical model for HARQ in LTE system

Liangcheng Jiang (Southeast University, P.R. China); Fengyi Jiang (Southeast University, P.R. China)

Cross-Layer Design of AMC and Truncated HARQ Using Dynamic Switching Thresholds

Peng Zhang (Peking University, P.R. China); Yuzhuang Miao (Peking University, P.R. China); Yuping Zhao (Peking University, P.R. China)

Statistics of RRC State Transition Caused by the Background Traffic in LTE networks

Sa Zhang (Beijing University of Posts and Telecommunications, P.R. China); ZhuYan Zhao (Nokia Siemens Networks, P.R. China); Hao Guan (Nokia Siemens Networks, P.R. China); Deshan Miao (Nokia Siemens Networks, P.R. China); Hongwen Yang (Beijing University of Posts and Telecommunications, P.R. China)

A Novel Channel-Aware Frequency-Domain Scheduling in LTE Uplink

Hsi-Lu Chao (National Chiao Tung University, Taiwan); Chia-Kai Chang (National Chiao Tung University, Taiwan); Chia-lung Liu (National Chung-Hsing University, Taiwan)

Interference Penalty Algorithm (IPA) for Inter-Cell Interference Co-ordination in LTE Uplink

Rajeev Agrawal (Nokia Siemens Networks, India); Naveen Arulselvan (Nokia Siemens Networks, India); Suresh Kalyanasundaram (Nokia Siemens Networks, India); Balamurali Natarajan (Nokia Siemens Networks, India); Vijay Subramanian (Northwestern University, USA); Hua Xu (Nokia Siemens Networks, India)

Tuesday, 09 April 2013

11:00-12:30

MAC 24: Poster Session I

CPR: A CRC-Based Packet Recovery Mechanism for Wireless Networks

Sheng-Shih Wang (Minghsin University of Science and Technology, Taiwan); Shiann-Tsong Sheu (National Central University, Taiwan); Huei-Yu Lee (National Central University, Taiwan); Ting-Rong O (National Central University, Taiwan)

An Approximation Downlink Bandwidth Allocation Scheme for IEEE 802.16 OFDMA System

Jang-Ping Sheu (National Tsing Hua University, Taiwan); Chen-Hao Ko (National Tsing Hua University, Taiwan); Chuang Ma (National Tsing Hua University, Taiwan)

Cross-Layer Design for LTE System with Jointly AMC and ARQ on Fading Channel ARQ

Desheng Wang (Huazhong University of Science and Technology, P.R. China); Yingyong Fang (Wuhan Research Institute of Posts and Telecommunications, P.R. China); Li Lu (University of HUST, P.R. China); Wu Jianxue (Wuhan Research Institute of Posts and Telecommunication, P.R. China)

Outlier Detection for Training-Based Adaptive Protocols

Hui Liu (Southern Methodist University, USA); Jialin He (Southern Methodist University, USA); Dinesh Rajan (Southern Methodist University, USA); Joseph D. Camp (Southern Methodist University, USA)

Rate Adaptation and Base Station Reconfiguration for Battery Efficient Video Download

Sujit Dey (University of California, San Diego, USA); Ranjini Garani Guruprasad (University of California, San Diego, USA)

Joint Optimization of Channel Allocation and AP Association in Variable Channel-width WLANs

Xiaohui Chen (Huazhong University of Science and Technology, P.R. China); Wenqing Cheng (Huazhong University of Science and Technology, P.R. China); Wei Yuan (Huazhong University of Science and Technology, P.R. China); Wei Liu (Huazhong University of Science and Technology, P.R. China); Xu Jing (Huazhong University of Science and Technology, P.R. China)

An Enhanced Multi-channel MAC for Vehicular Ad Hoc Networks

Duc Ngoc Minh Dang (Kyung Hee University, Korea); Hanh Ngoc Dang (Ho Chi Minh City University of Technology, Vietnam); Cuong T. Do (Kuyng Hee University, Korea); Choong Seon Hong (Kyung Hee University, Korea)

Tuesday, 09 April 2013

14:00-15:30

MAC 25: Poster Session II

Distributed Power Control and Pricing for Two-Tier OFDMA Femtocell Networks Using Fictitious Game

Wei Li (Beijing University of Posts and Telecommunications, P.R. China); Tao Su (Beijing University of Posts and Telecommunications, P.R. China); Wei Zheng (Beijing University of Posts and Telecommunications, P.R. China); Xiangming Wen (Beijing University of Posts and Telecommunications, P.R. China)

Capacity Gains from Multipoint Single Frequency Transmission in HSPA+

Ahlem Khlass (TELECOM ParisTech, France); Salah Eddine Elayoubi (Orange Labs, France); Thomas Bonald (Telecom ParisTech, France)

Resource Allocation for Multi-Channel Multi-Radio Wireless Backhaul Networks: A Game-Theoretic Approach

Li-Hsing Yen (National University of Kaohsiung, Taiwan); Yuan-Kao Dai (National University of Kaohsiung, Taiwan); Kuang-Hui Chi (National Yunlin University of Science & Technology, Taiwan)

Opportunistic and Efficient Resource Block Allocation Algorithms for LTE Uplink Networks

Fatima Zohra Kaddour (Telecom Paristech, France); Mylene Pischella (CNAM, France); Philippe Martins (Telecom Paristech, France); Emmanuelle Vivier (Institut SupŽrieur d'Electronique de Paris, France); Lina Mroueh (Institut SupŽrieur d'Electronique de Paris, France)

Distributed Flexible Channel Assignment in WLANs

Chih-Cheng Hsu (National Taiwan University, Taiwan); Yi-An Liang (National Taiwan University, Taiwan); Jose Luis Garcia Gomez (National Taiwan University, Taiwan); Cheng-Fu Chou (NTU, Taiwan); Kate Ching-Ju Lin (Academia Sinica, Taiwan)

On the impact of channel coding on average packet delay in a multiuser environment

Anshoo Tandon (National University of Singapore, Singapore); Mehul Motani (National University of Singapore, Singapore); Vineet Srivastava (Broadcom, India)

A Probabilistic Approach for V2V Relay Contention based on Channel State Information

Sok-Ian Sou (National Cheng Kung University, Taiwan); Bing-Jyun Lin (National Cheng Kung University, Taiwan); Yinman Lee (National Chi Nan University, Taiwan)

Wednesday, 10 April 2013

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MAC 26: Poster Session I

An Estimator for Delay Distributions in Packet-based Wireless Digital Communication Systems

Yu Chen (University College London, United Kingdom); Izzat Darwazeh (University College London, United Kingdom)

Throughput Optimization for Self-Powered Wireless Communications with Variable Energy Harvesting Rate

Sixing Yin (Beijing University of Posts and Telecommunications, P.R. China); Erqing Zhang (Beijing University of Posts and Telecommunications, P.R. China); Ji Li (Testing Center of The State Radio Monitoring Center, P.R. China); Liang Yin

(Beijing University of Posts and Telecommunications, P.R. China); Shufang Li (Beijing University of Posts and Telecommunications, P.R. China)

Energy Efficiency in a Delay Constrained Wireless Network

Richard Chen (Utah State University, USA); Rose Qingyang Hu (Utah State University, USA); Qian (Clara) Li (Intel Corporation, P.R. China); Geng Wu (Intel Corporation, USA)

Sub-optimal method for non-convex energy efficient optimization of interference-limited system

Rui Zhu (Tsinghua, P.R. China)

C2SMA/CA: Enabling Co-Channel Concurrency in WLANs using Positional Information

Xin He (University of Agder, Norway); Sriram Lakshmanan (Ruckus Wireless Inc., USA); Raghupathy Sivakumar (Georgia Institute of Technology, USA); Frank Y. Li (University of Agder, Norway)

Cancellation Strategy in Dynamic Framed Slotted ALOHA for RFID System

Chenyi Jiang (The Hong Kong University of Science and Technology, Hong Kong); Yinfei Xu (Southesdt University, P.R. China); Qiao Wang (Southeast University, P.R. China)

Wednesday, 10 April 2013

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MAC 27: Poster Session II

A Contention-Vector based Hybrid Scheduling Algorithm for Wireless Networks

Bosheng Zhou (Queens University Belfast, United Kingdom); Alan Marshall (Queens University Belfast, United Kingdom); Tsung-Han Lee (National Taichung University, Taiwan)

Secrecy Enhancement with Artificial Noise in Decentralized Wireless Networks: A Stochastic Geometry Perspective

Pengfei Huang (Shanghai Jiao Tong University, P.R. China); Xudong Wang (Shanghai Jiao Tong University, P.R. China)

Joint Optimization for Energy Consumption and Secrecy Capacity in Wireless Cooperative Networks

Li Wang (Beijing University of Posts and Telecommunications, P.R. China); Xi Zhang (Texas A&M University, ECE Department, USA); Ma Xin (Beijing University of Posts and Telecommunications, P.R. China); Mei Song (, P.R. China)

A Novel Solution to Improve Uplink Synchronization Control in OFDM-based Mobile Networks

Wei Luo (Peking University, P.R. China); Anpeng Huang (Peking University, P.R. China); LinZhen Xie (Peking University, P.R. China); Tammy Chang (Stanford University, USA)

Analysis of Cognitive Radio Networks with Channel Assembling, Buffering, and Imperfect Sensing

Telex Magloire Nkouatchah Ngatched (Grenfell Campus - Memorial University of Newfoundland, Canada); Shuo Dong (University of Manitoba, Canada); Attahiru S. Alfa (University of Manitoba, Canada)