2013 IEEE/CIC International Conference on Communications in China - Workshops

(CIC/ICCC 2013)

Xi'an, China
12-14 August 2013

Program

GMCN: Session 1

A green quasi-dynamic frequency resource division method for LTE-A relay systems
Su Xiaochen (Beijing University of Technology, P.R. China); Enchang Sun (Beijing University of Technology, P.R. China); Meng Li (Beijing University Of Technology, P.R. China); F. Richard Yu (Carleton University, Canada); Yanhua Zhang (Beijing University of Technology, P.R. China)
pp. 1-5

An Efficient Cooperative User Selection Scheme in LTE Cooperative Communication Systems
Meng Li (Beijing University Of Technology, P.R. China); Enchang Sun (Beijing University of Technology, P.R. China); Su Xiaochen (Beijing University of Technology, P.R. China); Yanhua Zhang (Beijing University of Technology, P.R. China)
pp. 6-10

User-Motivated Topology Formation for Green Communication Networks
Tianyu Chen (South China University of Technology, P.R. China); Quansheng Guan (South China University of Technology & The Chinese University of Hong Kong, P.R. China); Shengming Jiang (Shanghai Maritime University, P.R. China); Hongjiang Wang (South China Normal University, P.R. China)
pp. 11-15

IMWN: Session 1

Performance Analysis of Hybrid MMSE/Max-log-MAP MIMO Detector
Rizwan Ghaffar (Samsung US R&D Center, Canada); Khurram Shehzad (National University of Sciences and Technology, Pakistan); Pin-Han Ho (University of Waterloo, Canada)
pp. 36-40

Security Module Analysis and Implementation in TD-LTE/TD-SCDMA Conformance Test System
Pei Zhang (Beijing University of Posts and Telecommunications；China Telecommunication Technology Labs，CATR, P.R. China); Haihong E (Beijing University of Posts and Telecommunications, P.R. China); Bo Li (China Academy of Telecommunication Research of MIIT, P.R. China); Guili He (China Academy of Telecom Research, P.R. China); Xiang Zhang (China Academy of Telecommunication Research of MIIT, P.R. China); Junde Song (Beijing University of Posts and Telecommunications, Taiwan)
pp. 41-44

Relay Assisted Interference Management in Co-Channel Interference Systems
Yao-Jen Liang (National Chiayi University, Taiwan); Tai-Yu Liu (National Taiwan University, Taiwan)
pp. 45-49

Aggregation Based Spectrum Allocation in Cognitive Radio Networks
Chengbiao Li (Xidian University, P.R. China); Wei Liu (Xidian University, P.R. China); Jiandong Li (Xidian University, P.R. China); Qin Liu (Xidian University, P.R. China); Chuan Li (School of Computer and Technology, P.R. China)
pp. 50-54

Utility-Related-Capacity of Interference Networks: A Cooperative Game View
Chungang Yang (Xidian University, P.R. China)
pp. 55-59

Resource Allocation for Maximizing the Device-to-Device Communications Underlaying LTE-Advanced Networks
Hongguang Sun (Xidian University, P.R. China); Min Sheng (Xidian University, P.R. China); Xijun Wang (Xidian University, P.R. China); Yan Zhang (Xidian University, P.R. China); Junyu Liu (Xidian University, P.R. China); Kan Wang (Xidian University, P.R. China)
pp. 60-64

GMCN: Session 2

Energy Efficiency of Unicast Support Multicast with QoS Guarantee
Zheng Chang (University of Jyväskylä, Finland); Tapani Ristaniemi (University of Jyväskylä, Finland)
pp. 16-20

Rate Boundaries and Performance Comparison of Pure-Full-Duplex and Half-Duplex Systems
Yu Li (Shanghai Research Center for Wireless Communications, P.R. China); Bin Zhou (Shanghai Research Center for Wireless Communications & Shanghai Institute of Microsystem and Information Technology, Chinese Academy of Sciences, P.R. China); Jinling Du (Shanghai Research Center for Wireless Communications, P.R. China); Wei Li (Broadcom Communications Finland Oy, Finland); Zhenhong Li (Renesas Mobile Corporation, P.R. China); Yves Wang (R&D 3 WICO, P.R. China); Hui Xu (Shanghai Research Center for Wireless Communications, P.R. China)
pp. 21-25

Optimal Resource Allocation Scheme in Green Cognitive Radio Networks
Huiqi Wang (Beijing University of Technology, P.R. China); Pengbo Si (Beijing University of Technology, P.R. China); Jia Liu (Beijing University of Technology, P.R. China); Yanhua Zhang (Beijing University of Technology, P.R. China)
pp. 26-30

Spectrum Management for Small Cell Cognitive Radio Networks
Jia Liu (Beijing University of Technology, P.R. China); Pengbo Si (Beijing University of Technology, P.R. China); Huiqi Wang (Beijing University of Technology, P.R. China); Yanhua Zhang (Beijing University of Technology, P.R. China); Ruizhe Yang (Beijing University of Technology, P.R. China)
pp. 31-35

IOT: Session 1

Interference-Aware Routing for Hop-Count Minimization in Wireless D2D Networks
Pinyi Ren (Xi'an Jiaotong University, P.R. China); Qinghe Du (Xi'an Jiaotong University, P.R. China); Li Sun (Xi'an Jiaotong University, P.R. China)
pp. 65-70

Throughput Capacity of ALOHA MANETs
Yin Chen (Future University Hakodate, Japan); Yulong Shen (Xidian University & Wayne State University, USA); Xiaohong Jiang (Future University-Hakodate, Japan); Jie Li (University of Tsukuba, Japan)
pp. 71-75

Traffic Analysis and Policy Control Considerations in EV-DO System
Fengyi Yang (Technology Innovation Center, China Telecom Corp. Ltd, P.R. China); Mei Chengli (Technology Innovation Center, China Telecom Corp. Ltd, P.R. China); Yingqi Li (China Telecom Corp. Ltd, P.R. China); Min Zhang (China Telecom Corporation Limited Technology Innovation Center, P.R. China); Haining Wang (Technology Innovation Center, China Telecom Corp. Ltd, P.R. China)
pp. 76-81

Cooperative Spectrum Sharing in Cognitive Radio Networks with Proactive Primary System
Qionghua Zhu (Zhejiang University of Technology, P.R. China); Yuan Wu (Zhejiang University of Technology, P.R. China); Danny H. K. Tsang (Hong Kong University of Science and Technology, Hong Kong); Hong Peng (Zhejiang University of Technology, P.R. China)
pp. 82-87

Probability Weighted Based Spectral Resources Allocation Algorithm in Hetnet under Cloud-RAN Architecture
Zejue Wang (Institute of Acoustics, Chinese Academy of Sciences, P.R. China); Hongjia Li (Institute of Acoustics, Chinese Academy of Sciences & Beijing University of Posts and Telecommunications, P.R. China); Heng Wang (Chongqing University, P.R. China); Song Ci (University of Nebraska-Lincoln, USA)
pp. 88-92

D2D: Session 1

Multicast Capacity of Ad hoc Networks with Transmission Uncertainty
Guanglin Zhang (The Chinese University of Hong Kong, Hong Kong); Lin Wang (Shanghai Jiao Tong University, P.R. China)
pp. 153-158

Radio Resource Management for Network Assisted D2D in Cellular Uplink
Qianxi Lu (Ericsson Research, P.R. China); Qingyu Miao (Ericsson Research, P.R. China); Gabor Fodor (Ericsson Research & Royal Institute of Technology (KTH), Sweden); Nadia Brahmi (ERICSSON, Germany)
pp. 159-164

A new distributed transmission scheduling scheme for balancing lifetime and fairness in WBAN
Yingqi Yin (Jilin University, P.R. China); Fengye Hu (Jilin University, P.R. China); Yunlei Deng (Jilin University, P.R. China); Liying Zhao (Jilin University, P.R. China)
pp. 165-169

BER Performance Analysis of MIMO Physical-Layer Network Coding Based on VBLAST Detection
Yiping Li (Shenzhen University, P.R. China); Shengli Zhang (Shenzhen University, P.R. China); Hui Wang (Shenzhen University, P.R. China)
pp. 170-175

Discovery of Device-Device Proximity - Physical layer design for D2D discovery
Ying Peng (State Key Laboratory of Wireless Mobile Communication, China Academy of Telecommunication Technology, P.R. China); Qiubin Gao (China Academy of Telecommunications Technology (CATT), P.R. China); Shaohui Sun (China Academy of Telecommunications Technology (CATT), P.R. China); Yan-Xiu Zheng (Researcher, Taiwan)
pp. 176-181

IOT: Session 2

Research and implementation on demodulation algorithm of parameters-adjustable soft spread spectrum system in IOT
Liu Yaqing (Northwestern Polytechnical University, P.R. China); Lian Baowang (Northwestern Polytechnical University, P.R. China)
pp. 93-96

Genetic-Based Randomized Network Coding for Dynamic Satellite Multicast
Tao Zhang (Beijing University of Aeronautics and Astronautics, P.R. China); Qiaoyu Li (Beihang University, P.R. China); Hongyong An (Beihang University, P.R. China)
pp. 97-102

Fairness Based Admission Control and Beamforming Design for the MISO Downlink
Lele Ge (University of Science and Technology of China, P.R. China); Zhenyuan Chen (University of Science and Technology of China, P.R. China); Li Chen (University of Science and Technology of China, P.R. China); Guo Wei (University of Sci. & Tech. of China, P.R. China)
pp. 103-108

An Interference Coordination Mechanism Based on Resource Allocation for Network Controlled Device-to-Device Communication
Wei Zhou (Shanghai Jiao Tong University, P.R. China); Xiaodong Sun (Shanghai Normal University, P.R. China); Chuan Ma (Shanghai Jiao Tong University, P.R. China); Jianting Yue (McMaster University, Canada); Hui Yu (Shanghai Jiao Tong University, P.R. China); HanWen Luo (Shanghai JiaoTong University, P.R. China)
pp. 109-114

Adaptive Resource Allocation and Grouping for Device-to-Device Communications Underlaying Cellular Networks
Qiang Liu (Southeast University, P.R. China); Yanxiang Jiang (Southeast University, P.R. China)
pp. 115-119

Intelligent Controls for Cyber Physical Energy Buildings
Kun Hua (Lawrence Technological University, USA)
pp. 120-124

D2D: Session 2

Social Network Enhanced Device-to-Device Communication Underlaying Cellular Networks
Yanru Zhang (University of Houston, USA); Erte Pan (University of Houston, USA); Lingyang Song (Peking University, P.R. China); Walid Saad (University of Miami, USA); Zaher Dawy (American University of Beirut, Lebanon); Zhu Han (University of Houston, USA)
pp. 182-186

Graph-based Resource Allocation for D2D Communications Underlaying Cellular Networks
Hongliang Zhang (Peking University, P.R. China); Tianyu Wang (Peking University, P.R. China); Lingyang Song (Peking University, P.R. China); Zhu Han (University of Houston, USA)
pp. 187-192

Downlink Interference Management for D2D Communication Underlying Cellular Networks
Bin Guo (Beihang University, P.R. China); Shaohui Sun (China Academy of Telecommunications Technology (CATT), P.R. China); Qiubin Gao (China Academy of Telecommunications Technology (CATT), P.R. China)
pp. 193-196

On the Connectivity of Underlay Ad-hoc D2D Networks
Leiyi Yao (The Chinese University of Hong Kong, Hong Kong); Ying Jun (Angela) Zhang (The Chinese University of Hong Kong, Hong Kong)
pp. 197-203

IOT: Session 3

An Energy-efficient Spectrum Handoff and Access Mechanism for the WBAN System
Changcheng Ren (Dept. of Electronic and Engineering, Shanghai Jiao Tong University, P.R. China); Hui Yu (Shanghai Jiao Tong University, P.R. China); Chuan Ma (Shanghai Jiao Tong University, P.R. China); Jing Liu (Shanghai Jiao Tong University, P.R. China); Yunfeng Guan (Shanghai Jiao Tong University, P.R. China)
pp. 125-130

Joint Viterbi Decoding and Decision Feedback Equalization for Monobit Digital Receiver
Xin Li (University of Science and Technology of China, P.R. China); Huarui Yin (University of Science and Technology of China, P.R. China); Zhiyong Wang (University of Science and Technology of China, P.R. China); Zhengdao Wang (Iowa State University, USA)
pp. 131-136

Space-Time Trellis Coded Transmission scheme for Dual-polarized LMS MIMO Channels
DongYu Liang (Harbin Institute of Technology, P.R. China); Ming-Chuan Yang (Harbin Institute of Technology, P.R. China); Run nan Cai (Harbin Institute of Technology, P.R. China); Shao-na Tan (Harbin Institute of Technology, P.R. China); Ricai Tian (Harbin Institute of Technology, P.R. China)
pp. 137-141

Optimization of Cooperative Sensing in Multi-channel Environment for Cognitive Radio Networks
Yang Liu (Information Engineering University, P.R. China); Cui Ying (Troop 65017, P.R. China); Ou Li (National Digital Switching Center, P.R. China)
¨B#5

Design and Experiment Evaluation of Long-distance and High-Mobility ZigBee Transceivers for WSNs
Jianyu Niu (Northwestern Polytechnical University, P.R. China); Ruonan Zhang (Northwestern Polytechnical University, P.R. China); Guangde Wang (Northwestern Polytechnical University, P.R. China); Shuguang Li (Northwestern Polytechnical University, P.R. China); Shuai Wan (Northwestern Polytechnical University, P.R. China)
pp. 142-147

An Improved Routing Metric Based on Link States for Vehicular Ad hoc Networks
Liran Wang (Xidian University, P.R. China); Changle Li (Xidian University, P.R. China); Chunchun Zhao (Xidian University, P.R. China); Hang Lin (Xidian University, P.R. China)
pp. 148-152