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Speaker: Weihua Zhuang, Professor and Tier I Canada Research Chair in Wireless Communication Networks, University of Waterloo, Canada

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GCNC: Green Computing, Networking and Communications

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WN1: Wireless Networks I

Deadline-aware Broadcasting in Wireless Networks with Local Network Coding

Pouya Ostovari (Temple University & Computer and Information Sciences, USA); Jie Wu (Temple University, USA); Abdallah A Khreishah (Temple University, USA)
pp. 1123-1127

A Proposal of Power Saving Scheme for Wireless Access Networks with Access Point Sharing

Riichiro Nagareda (ATR, Japan); Akio Hasegawa (ATR Adaptive Communications Research Lab., Japan); Tatsuo Shibata (ATR Adaptive Communications Research Laboratories, Japan); Sadao Obana (Advanced Telecommunication Research Institute International, Japan)
pp. 1128-1132

Capacity Analysis of Best-Effort Broadcasting Services with Reliability Constraint

Minho Kim (Seoul National University, Seoul, Korea); Eun-Chan Park (Dongguk University, Korea); Kyung-Joon Park (DGIST, Korea); Chong-Ho Choi (Seoul National University, Korea)

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MAC Layer Fairness in IEEE 802.11 DCF Based Wireless Mesh Networks

Sandip Chakraborty (Indian Institute of Technology Guwahati, India);
Sukumar Nandi (Indian Institute of Technology, Guwahati, India)

pp. 1138-1143

Hybrid Resource Allocation Scheme in Two-hop Relaying WiMAX Networks

Yongchul Kim (North Carolina State University, USA); Mihail Sichitiu (North Carolina State University, USA)

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Keynote II: The Coming Decade of Data Center Networking Discontinuities

Speaker: Renato Recio, CTO, System Networking, IBM, USA

DSTA II: Codes and Algorithms for NVM and Storage Systems

Characterization and Error-Correcting Codes for TLC Flash Memories

Eitan Yaakobi (Caltech/UCSD, USA); Laura M Grupp (University of California, San Diego, USA); Paul H. Siegel (University of California, San Diego, USA); Steven Swanson (University of California, San Diego, USA); Jack Wolf (UCSD, USA)

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Robust Decoder Architecture for Multi-level Flash Memory Storage Channels

Ravi Hiranand Motwani (Intel Corporation, USA); Chong Ong (Intel Corporation, USA)

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An Improved Analytic Expression for Write Amplification in NAND Flash

Xiang Luojie (University of Electro-Communications, Japan); Brian Michael Kurkoski (University of Electro-Communications, Japan)

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Dynamic Data Replication on Flash SSD Assisted Video-on-Demand Servers

Ramya Manjunath (Teradata Corporation, USA); Tao Xie (San Diego State University, USA)

pp. 502-506

Low-Redundancy Two-Dimensional RAID Arrays

Jehan-Francois Pâris (University of Houston, USA); Ahmed Amer (University of California, Santa Cruz, USA); Thomas J.E. Schwarz (Santa Clara University, USA)

pp. 507-511

A Novel Approach to Estimating Current and Future States of Technical Systems

Kirill Bushminkin (Lancaster University, United Kingdom); Denis Kolev (Moscow State University, Russia); Denis Rodionov (Lancaster University, United Kingdom); Lyudmila Mihaylova (Lancaster University, United

Kingdom); Alexandra Vikhoreva (Institute of Physics of the Earth of Russian Academy of Science, Russia)
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IT III: Invited Talks III

Constrained Resource Optimization in Wireless Sensor Networks with Mobile Sinks

Weifa Liang (Australian National University, Australia)
pp. 599-603

Concurrent Bandwidth Aggregation over Wireless Networks

Dilip Krishnaswamy (Qualcomm Research Center, USA); Danlu Zhang (Qualcomm, USA); Samir S. Soliman (Qualcomm, Inc, USA); Bibhu Mohanty (Qualcomm, USA); Dirceu Cavendish (Qualcomm, USA); Weiyan Ge (Corporate R&D, Qualcomm Inc., USA); Srinivasa Eravelli (Qualcomm, USA)
pp. 604-610

Better Energy-Delay Tradeoff via Server Resource Pooling

Ioannis Kamitsos (Princeton University, USA); Lachlan L. H. Andrew (Swinburne University of Technology, Australia); Hongseok Kim (Sogang University, Korea); Sangtae Ha (Princeton University, USA); Mung Chiang (Princeton University, USA)
pp. 611-616

Towards a global IoT: Resource Re-utilization in WSNs

Sharief M.A. Oteafy (Queen's University, Canada); Hossam S. Hassanein (Queen's University, Canada)
pp. 617-622

MCC: Multimedia Computing and Communications

Subjective Study on Asymmetric Stereoscopic Video with Low-pass Filtered Slices

Maryam Azimi (University of British Columbia, Canada); Sima Valizadeh (University of British Columbia, Canada); Xiaokang Li (University of British Columbia, Canada); Lino E. Coria (University of British Columbia, Canada); Panos Nasiopoulos (University of British Columbia, Canada)
pp. 719-723

Robust shape matching using global feature space representation of contours

Shehzad Khalid (Bahria University, Pakistan)
pp. 724-728

Fast Diamond Search Algorithm For Real Time Video Coding

Yasser Ismail (Umm Alqura University, Saudi Arabia); Sherif El-etriby (Umm Al-Qura University, Saudi Arabia)
pp. 729-733

Bandwidth Estimation and Rate Adaptation in HTTP Streaming

Bing Zhou (Tsinghua University, P.R. China); Jingyuan Wang (Tsinghua University, P.R. China); Zixuan Zou (Huawei Technologies Co. LTD, P.R. China); Jiangtao Wen (Tsinghua University, P.R. China)
pp. 734-738

Modeling, Characterizing, and Enhancing User Experience in Cloud Mobile Rendering

Yao Liu (UC San Diego, USA); Shaoxuan Wang (University of California, San diego, USA); Sujit Dey (University of California, San Diego, USA)
pp. 739-745

Novel Seamless Multimedia Service Framework Based on Context-Awareness and User Mobility Pattern in Ubiquitous Environments

Jinsung Byun (Chung-Ang University, Korea); Insung Hong (Chung-Ang University, Korea); Sehyun Park (Chung-Ang University, Korea)
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WC II: System Performance Analysis

Packet Error Rate-constrained Optimized Variable Rate Scheme for Convolutionally Coded M-QAM System

Krishna Nehra (King's College, London, United Kingdom); Mohammad Shikh-Bahaei (Kings college London, United Kingdom)
pp. 1041-1045

Asymptotic Performance Analysis of SC over Arbitrarily Correlated Nakagami-m Channels

Xianchang Li (University of British Columbia, Canada); Julian Cheng (University of British Columbia, Canada)
pp. 1046-1050

On the Performance of Redundant Residue Number System Codes Assisted STBC Design

Avik Sengupta (Kansas State University, USA); Dalin Zhu (NEC Laboratories China, P.R. China); Bala Natarajan (Kansas State University, USA)
pp. 1051-1055

New Alternative Series Representations for the Generalized Nuttall Q-function with Applications

Oluwatobi O Olabiyi (Prairie View A&M University, USA); Annamalai Annamalai (Prairie View A&M University, USA)
pp. 1056-1060

MCVC

Applying Behavior Recognition in Road Detection Using Vehicle Sensor Networks

Yuanyuan Zeng (Wuhan University, P.R. China); Kai Xiang (Wuhan University & Hubei University of Economics, P.R. China); Deshi Li (Wuhan University, P.R. China)
pp. 751-755

Analysis of Mobility Patterns for Urban Taxi Cabs

Mohammad Asadul Hoque (The University of Alabama, USA); Xiaoyan Hong (University of Alabama, USA); Brandon Dixon (the University of Alabama, USA)
pp. 756-760

Transparent and Autonomous Store-carry-forward Communication in Delay Tolerant Networks (DTNs)

Frank Nordemann (University of Applied Sciences Osnabrueck, Germany); Ralf Tönjes (University of Applied Sciences Osnabrück, Germany)
pp. 761-765

Intelligent Interface Switching among Heterogeneous Wireless Networks for Vehicular Communications

Kevin Lee (Cisco, USA); Xiaoqing Zhu (Cisco Systems, USA); Lillian Dai (Cisco & MIT, USA); Jiang Zhu (Carnegie Mellon University, USA); Sateesh Addepalli (Cisco, USA); Rong Pan (Cisco Systems Inc., USA); Flavio Bonomi (Cisco Systems, USA)
pp. 766-770

Throughput and Delay Analysis in Aeronautical Data Networks

Yufeng Wang (University of South Florida, USA); Mustafa Cenk Ertürk (University of South Florida, USA); Huseyin Arslan (University of South Florida, USA); Ravi Sankar (University of South Florida, USA); Inho Ra (Kunsan National University, Korea); Salvatore Morgera (Florida Atlantic University, USA)
pp. 771-775

Cognitive Multicast (CoCast) in Vehicular Networks Using OFDM Subchannels and Network Coding

Wooseong Kim (UCLA, USA); Brian Sung Chul Choi (University of California, Los Angeles, USA); Mario Gerla (University of California at Los Angeles, USA)
pp. 776-780

COG II: Cognitive Networking

Delay Analysis and Optimal Access Strategy in Multichannel Dynamic Spectrum Access System

Xiao Li (University of Electronic Science and Technology of China, P.R. China); Jun Wang (University of Electronic Science and Technology of China,

P.R. China); Husheng Li (University of Tennessee, USA); Shaoqian Li (University of Electronic Science and Technology of China, Taiwan)
pp. 376-380

Transient Analysis of Post-interruption Dynamics in Cognitive Radio Networks: An Onsager's Regression Approach

Husheng Li (University of Tennessee, USA)
pp. 381-385

Sensing Parameter Optimization Using a New Detection Probability in Cognitive Radio Networks

Jae-Kark Choi (Inha University, Korea); Sang-jo Yoo (Inha University, Korea)
pp. 386-391

Joint Optimization of Rate and Outer Loop Power Control for CDMA-based Cognitive Radio Network

Mohammad Mirtavousi Mahyari (King's College London, United Kingdom)
pp. 392-396

Statistics of Aggregate Interference in Cognitive Wireless Ad hoc Networks

Alireza Babaei (Auburn University, USA); Prathima Agrawal (Auburn University, USA); Bijan Jabbari (George Mason University, USA)
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BioStaR: A Bio-inspired Stable Routing for Cognitive Radio Networks

Mohammad Asadul Hoque (The University of Alabama, USA); Xiaoyan Hong (University of Alabama, USA)
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IT IV: Invited Talks IV

Applications of Fiber-connected Distributed Antenna Systems in Broadband Wireless Access

Alireza Attar (University of British Columbia, Canada); Haoming Li (University of British Columbia, Canada); Victor CM Leung (The University of British Columbia, Canada)
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Strategies for Fault Tolerance in Optical Grid Networks

Ying Chen (University of Windsor, Canada); Ataul Bari (University of Western Ontario, Canada); Arunita Jaekel (University of Windsor, Canada)
pp. 628-632

Green IP over WDM Network Design Considering Energy-Load Proportionality

Chankyun Lee (KAIST, Korea); Yoontae Kim (Korea Advanced Institute of Science and Technology, Korea); June-Koo Kevin Rhee (KAIST, Korea)
pp. 633-637

Stochastic Network Calculus for Performance Analysis of Internet Networks - An Overview and Outlook

Yuming Jiang (Norwegian University of Science and Technology (NTNU), Norway)
pp. 638-644

WAHS I: Performance and Modeling

Characterization and Mitigation of the Energy Hole Problem of Many-to-One Communication in Wireless Sensor Networks

Heitor S Ramos (Universidade Federal de Minas Gerais & UFAL, Brazil); Eduardo M. R. Oliveira (Federal University of Minas Gerais, Brazil); Azzedine Boukerche (University of Ottawa, Canada); Alejandro C Frery (Universidade Federal de Alagoas, Brazil); Antonio A.F. Loureiro (Federal University of Minas Gerais, Brazil)
pp. 954-958

Constructing a Load-Balanced Virtual Backbone in Wireless Sensor Networks

Jing (Selena) He (Georgia State University, USA); Shouling Ji (Georgia State University, USA); Pingzhi Fan (Southwest Jiaotong University, P.R. China); Yi Pan (Georgia State University, USA); Yingshu Li (Georgia State University, USA)
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A Routing-Algorithm-Aware Design Tool for Indoor Wireless Sensor Networks

Alberto Puggelli (University of California - Berkeley, USA); Mohammad Mozumdar (University of California, Berkeley, USA); Alberto Sangiovanni-Vincentelli (University of California at Berkeley, USA); Luciano Lavagno (Politecnico di Torino, Italy)
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Modeling and Analysis of a Solar Powered Wireless Sensor Node

Hengzhao Yang (Georgia Institute of Technology, USA); Ying Zhang (Georgia Institute of Technology - Savannah, USA)
pp. 970-974

Real-Time Estimation of Wireless Ground-to-Air Communication Parameters

Anthony J. Carfang, Jr. (University of Colorado at Boulder, USA); Eric W. Frew (University of Colorado, USA)
pp. 975-979

IP II: Invited Papers II

Taxonomy and Challenges of Rendezvous Algorithms in Cognitive Radio Networks

Hai Liu (Hong Kong Baptist University, Hong Kong); Zhiyong Lin (Hong Kong Baptist University, Hong Kong); Xiaowen Chu (Hong Kong Baptist University, Hong Kong); Yiu-Wing Leung (Hong Kong Baptist University, Hong Kong)
pp. 645-649

Cognitive Radio Technology : Principles and Practice

Youping Zhao (Beijing Jiaotong University, P.R. China); Lizdabel Morales-Tirado (University of Puerto Rico & Mayaguez Campus, USA)
pp. 650-654

Coexistence in two-tier femtocell networks: cognition and optimization

Siew Eng Nai (Institute for Infocomm Research, Singapore); Tony Q. S. Quek (Institute for Infocomm Research, Singapore)

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NAPP: Network Architectures & P2P Protocols

PeerMate: A Malicious Peer Detection Algorithm for P2P Systems based on MSPCA

Xiaoglin Wei (PLA University of Science and Technology, P.R. China); Tarem Ahmed (International Islamic University Malaysia, Malaysia); Ming Chen (Institute of Communications Engineering, P.R. China); Al-Sakib Khan Pathan (International Islamic University Malaysia (IIUM), Malaysia)

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Efficient and Flexible Inter-Overlay Scheduling of Media Streams for Multi-Channel P2P Streaming

Xin Jin (The University of Hong Kong, Hong Kong); Yu-Kwong Kwok (University of Hong Kong, Hong Kong)

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P2P Streaming; Impact of Bandwidth Throttling on QoS

Jalal N Almhana (Universite de Moncton, Canada); Zikuan Liu (NRC, Canada)

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P2P Packet Cache Router for Network-Wide Traffic Redundancy Elimination

Shu Yamamoto (University of Tokyo, Japan); Akihiro Nakao (University of Tokyo, Japan)

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A Novel Cost-Effective Architecture and Deployment Strategy for Integrated RFID and WSN Systems

Fadi M. Al-Turjman (Queen's University, Canada); Ashraf E. Al-Fagih (Queen's University, Canada); Hossam S. Hassanein (Queen's University, Canada)

pp. 835-839

SPC II: Signal Processing for Communications II

Aspects Related to Geo Localization Based on Mobiles' Measurements in WCDMA Wireless Networks

Irina C Cotanis (Ascom Network Testing, USA); Le Le (Ascom Netwrok Testing Inc., USA)

pp. 902-906

Beamforming-based Interference Cancellation for Multiuser MIMO Downlink Communications

Yen-Hsu Chiang (National Tsing Hua University, Taiwan); Hsi-Pin Ma (National Tsing Hua University, Taiwan)

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Achievable Rate for Amplify and Forward Relay System at Low SNR

Yu Bi (Wichita State University, USA); Yanwu Ding (Wichita state university, USA); Hyuck Kwon (Wichita State University, USA)

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Capacity Analysis of Relay Channels for Medium Voltage Powerline Access Network

Kyong-Hoe Kim (Seoul National University, Korea); Han-Byul Lee (Seoul National University, Korea); Yong-Hwa Kim (Seoul National University, Korea); Jong-Ho Lee (Kongju National University, Korea); Seong-Cheol Kim (Seoul National University, Korea)

pp. 917-921

Capacity and Modeling of Nonlinear Fiber Optic Communications as a Frequency-Selective Fading Channel

Salam Elahmadi (Menara Networks, USA); Mandayam Srinath (Southern Methodist University, USA); Dinesh Rajan (Southern Methodist University, USA); Richard Haberman (SMU, USA)

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WN2: Wireless Networks II

Game Theoretic Analysis of Users and Providers Behavior in Network under Scarce Resources

Charles A Kamhoua (Air Force Research Laboratory & Information Directorate, USA); Niki Pissinou (Florida International University, USA); Kia Makki (Technological University of America (TUA), USA)

pp. 1149-1155

Scheduling of Wireless Metering for Power Market Pricing in Smart Grid

Husheng Li (University of Tennessee, USA)

pp. 1156-1160

Design and Implementation of Industrial Network Monitoring Protocol for Networked Industrial Sensors

Daegil Yoon (Samsung Electro Mechanics, Korea); Hee Seok Ho (Samsung Electro Mechanics, Korea); Jaehee Park (Samsung Electro Mechanics, Korea)

pp. 1161-1166

A Tale of Four Cities: Wireless Security & Growth in New Zealand

Alastair Nisbet (Unitech, New Zealand)

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Framework for Co-operative RFID Tag Reading in Mobile Environments with Multiple Readers

Chandrika Satyavolu (The University of Oklahoma, USA); Sridhar Radhakrishnan (University of Oklahoma, USA); Venkatesh Sarangan (Oklahoma State University, USA); Thomas Landers (University of Oklahoma, USA)

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Keynote III: When Coding Met Video QoE

Speaker: Muriel Medard, Professor, MIT, USA

CQSM

RocketTC: A High Throughput Traffic Classification Architecture

Zhou Zhou (Beijing Institute of Technology, P.R. China); Tian Song (Beijing Institute of Technology, P.R. China); Wenliang Fu (Beijing Institute of Technology, P.R. China)
pp. 407-411

Packet Reception Ratios in Two-Dimensional Broadcast Ad Hoc Networks

Xiaomin Ma (Oral Roberts University, USA)
pp. 412-416

Optimised network resource exploitation in interactive broadcasting environments via P2P constellations

Evangelos Markakis (University of the Aegean, Greece); Evangelos Pallis (Technological Educational Institute of Crete, Greece); Harry Skianis (University of the Aegean, Greece); Vassilios Zacharopoulos (Technological Educational Institute of Crete, Greece)
pp. 417-420

Inter-Domain Service Alignment Using Consensus

Vitor Jesus (Universidade de Aveiro & Instituto de Telecomunicações, Portugal); Rui L Aguiar (University of Aveiro & Instituto de Telecomunicações, Portugal); Peter Steenkiste (Carnegie Mellon University, USA)
pp. 421-427

Performance of Multiuser CDMA Receivers With Bursty Traffic and Delay Constraints

Kashif Mahmood (Norwegian University Of Science and Technology, Norway); Mikko Vehkaperä (Royal Institute of Technology (KTH), Sweden); Yuming Jiang (Norwegian University of Science and Technology (NTNU), Norway)
pp. 428-433

Cycle Time Distribution and Control for the Deficit Round Robin Packet Scheduler

Gary Chang (Northwestern University, USA); Chung-Chieh Lee (Northwestern University, USA)
pp. 434-440

CSS: Communication Services and Applications

Performance Evaluation of a Context Provisioning Middleware

Eike Reetz (University of the West of England & University of Applied Sciences Osnabrück, United Kingdom); Michael Knappmeyer (University of Applied Sciences Osnabrück & University of the West of England, Germany); Saad Liaquat Kiani (University of the West of England & UWE, United

Kingdom); Nigel Baker (University of the West of England, United Kingdom); Ralf Tönjes (University of Applied Sciences Osnabrück, Germany)
pp. 441-445

A CoAP-Gateway for Smart Homes

Olaf Bergmann (Universitaet Bremen, Germany); Kai Hillmann (Universitaet Bremen, Germany); Stefanie Gerdes (Universitaet Bremen, Germany)
pp. 446-450

Characterizing Top User Behavior of Sina Microblogging in the Context of Different Events

Yubao Zhang (National University of Defense Technology, P.R. China); Hui Wang (National University of Defense Technology, P.R. China); Zhihong Jiang (National University of Defence Technology, P.R. China); Pei Li (National University of Defense Technology, P.R. China)
pp. 451-455

FoSSicker: A Personalized Search Engine by Location-Awareness

Mingyang Sun (Dalian University of Technology, P.R. China); Weifeng Sun (Dalian University of Technology, P.R. China); Lei Shu (Osaka University, Japan); Mingchu Li (Dalian University of Technology, Canada); Lei Xue (Dalian University of Technology, P.R. China)
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IP III: Invited Papers III

Vehicular Networks and Applications: Challenges, Requirements and Service Opportunities

Junyi Li (Qualcomm, USA); Michal Wodczak (Ericsson, Poland); Xinzhou Wu (Qualcomm, USA); T. Russell Hsing (Telcordia Technologies, USA)
pp. 660-664

Vehicular Testbeds - Validating Models and Protocols before Large Scale Deployment

Mario Gerla (University of California at Los Angeles, USA); Jui-Ting Weng (University of California, Los Angeles, USA); Eugenio Giordano (University of California at Los Angeles & Università di Bologna, USA); Giovanni Pau (UCLA, USA)
pp. 665-669

MIMO VANETS: Research Challenges and Opportunities

Amr El-Keyi (Nile University, Egypt); Tamer ElBatt (Nile University, Egypt); Fan Bai (General Motors, USA); Cem Saraydar (General Motors R&D, USA)
pp. 670-676

Modeling of Packet Dropout for UAV Wireless Communications

Yifeng Zhou (Communications Research Centre, Canada); Jun Li (Communications Research Centre of Canada, Canada); Louise Lamont (Communications Research Centre Canada, Canada); Camille-Alain Rabbath (Defence R&D Canada, Canada)
pp. 677-682

WC III: MIMO technology

Coordinated MultiPoint Uplink Capacity over a MIMO Composite Fading Channel

Symeon Chatzinotas (University of Luxembourg, Luxembourg); Björn Ottersten (KTH Royal Institute of Technology, Sweden)
pp. 1061-1065

Lattice Reduction-Aided Minimum Mean Square Error K-Best Detection for MIMO Systems

Sébastien Aubert (Research unit IETR, France); Youssef Nasser (American University of Beirut, Lebanon); Fabienne Nouvel (INSA, France)
pp. 1066-1070

Layered Block Diagonalization for Base Station Cooperated Multiuser MIMO with Partial Channel State Information Feedback

Kenichi Higuchi (Tokyo University of Science, Japan)
pp. 1071-1076

MISO Amplify Forward Scheme and its Viability

Narayanan Krishnan (WINLAB, Rutgers, The State University of New Jersey, USA); Bala Natarajan (Kansas State University, USA)
pp. 1077-1080

Multiple Input Multiple Output Dirty Paper Coding: System Design and Performance

Zouhair J. Al-qudah (EE/southern Methodist University/Dallas, USA); Dinesh Rajan (Southern Methodist University, USA)
pp. 1081-1086

Multiuser MIMO Capacity with Limited Feedback Trellis Exploration Based Precoder

Sayak Bose (Kansas State University, USA); Dalin Zhu (NEC Laboratories China, P.R. China); Bala Natarajan (Kansas State University, USA)
pp. 1087-1091

CIS: Secure Communications and Networking

On the use of Enhanced Bogon Lists (EBLs) to detect malicious traffic

Ravi Vaidyanathan (Telcordia Technologies Inc., USA); Abhranjit Ghosh (Applied Communication Sciences, USA); Yukiko Sawaya (KDDI R&D Laboratories, Inc., Japan); Ayumu Kubota (KDDI R&D Laboratories Inc., Japan)
pp. 1-6

Gabor-Based RF-DNA Fingerprinting for Classifying 802.16e WiMAX Mobile Subscribers

Donald Reising (AF Institute of Technology, USA); Michael A Temple (Air Force Institute of Technology, USA); Mark E Oxley (Air Force Institute of Technology, USA)
pp. 7-13

A Physical Layer Security Analysis on the Electric-Field Intra-Body Communication

Hongjie Zhu (University of Pennsylvania & Hong Kong University of Science and Technology, USA); Wai Chiu Ng (Hong Kong University of Science & Technology, Hong Kong); Hengying Shan (Hong Kong University of Science & Technology, Hong Kong); Jie George Yuan (Hong Kong University Science and Technology, P.R. China)

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Achievable Secrecy Rates in Physical Layer Secure Systems with a Helping Interferer

Arsenia Chorti (Princeton University & University College London, USA); H. Vincent Poor (Princeton University, USA)

pp. 18-22

Intrusion Detection in IT Networks with Limited Observations

Praveen Bommannavar (Stanford University, USA); Nicholas Bambos (Stanford University, USA)

pp. 23-28

NAPE: Network Algorithms & Performance Evaluation

Call Admission Control with Resource Reservation for Multi-service OFDM Networks

Mehdi Khabazian (QUWIC, Qatar); Osama Kubbar (QU Wireless Innovation Centre & Senior IEEE Member, Qatar); Hossam S. Hassanein (Queen's University, Canada)

pp. 781-785

Self-tuning Batching in Total Order Broadcast Protocols via Analytical Modelling and Reinforcement Learning

Paolo Romano (Inesc-ID, Portugal); Matteo Leonetti (Sapienza Rome University, Italy)

pp. 786-792

Survivable Routing Using Path Criticality

Alireza Bigdeli (University of Toronto, Canada); Ali Tizghadam (University of Toronto, Canada); Alberto Leon-Garcia (University of Toronto, Canada)

pp. 793-797

Effect of Mobility on the Performance of Amplify-and-Forward Cooperation in SC-FDMA System

Youssef Nasser (American University of Beirut, Lebanon); Joumana Farah (Holy-Spirit University of Kaslik, Lebanon); Joseph Kirillos (USEK, Lebanon); Stephanie Bassil (USEK, Lebanon); Maryline Hélard (INSA Rennes & IETR Institute of Electronics and Telecommunications of Rennes, France)

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A Client-side Split-ACK Tool for TCP Slow Start Investigation

Michael Welzl (University of Oslo, Norway); Rolf Normann (University of Oslo, Norway)

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Solving Many to Many Multicast QoS Routing Problem using DCA and Proximal Decomposition Technique

Anh Son Ta (CRP Henri Tudor, Luxemburg); Hoai-An Le Thi (Laboratory of Theoretical and Applied Computer Science, France); Dinh Tao Pham (Laboratory of Modelling, Optimization and Operations Research, France); Djamel Khadraoui (CRP Henri Tudor, Luxemburg)
pp. 809-814

WAHS II: Performance and Security

Improving Robustness of Key Extraction from Wireless Channels with Differential Techniques

Bin Zan (RUTGERS, USA); Marco Gruteser (WINLAB / Rutgers University, USA); Fei Hu (University of Alabama, USA)
pp. 980-984

Simultaneous Optimization of Transmission Range and Actor Movement in WSANs

Hyunbum Kim (The University of Texas at Dallas, USA); Jorge A. Cobb (The University of Texas at Dallas, USA)
pp. 985-989

On the Analysis of Identity Delegation Attacks

Issa M Khalil (United Arab Emirates University & Faculty of Information Technology, UAE); Abdallah A Khereishah (Temple University, USA)
pp. 990-994

E-BOP: A Simple and Efficient Enhancement of ZigBee's BOP protocol

Shunsuke Takagawa (University of Doshisha, Japan); Mehdad N. Shirazi (NICT, Japan); Jun Cheng (Doshisha University, Japan)
pp. 995-999

Utilizing Silent Negative Voting and Sleep/Wakeup Method for Power Efficient Data Fusion

Ramon Sandoval (Lamar, USA); S. Kami Makki (Lamar University, USA); Bo Sun (Lamar University, USA)
pp. 1000-1004

Channel Assignment for WLAN by Considering Overlapping Channels in SINR Interference Model

Kunxiao Zhou (City University of Hong Kong, Hong Kong); Xiaohua Jia (City University of Hong Kong, Hong Kong); Liming Xie (City University of Hong Kong, P.R. China); Yanan Chang (City University of Hong Kong, Hong Kong); Xing Tang (City University of Hong Kong, Hong Kong)
pp. 1005-1009

WC IV: Channel Assesment and design

Iterative Nonlinear Precoding and Link Adaptation for MU-MIMO with CSI Impairments

Hongsan (Harry) Sheng (InterDigital Communications LLC, USA); Yingxue Li (InterDigital Comm LLC, USA)
pp. 1092-1097

Channel Estimation for TDS-OFDM Transmit Diversity Systems over Doubly Selective Channels

Lujing Geng (Tsinghua, P.R. China); Jintao Wang (Tsinghua University, P.R. China); Changyong Pan (Tsinghua University, P.R. China); Ai Bo (Beijing Jiaotong University, P.R. China)
pp. 1098-1102

Closed-Form Evaluation of Area under the ROC of Cooperative Relay-Based Energy Detection in Cognitive Radio Networks

Oluwatobi O Olabiyi (Prairie View A&M University, USA); Annamalai Annamalai (Prairie View A&M University, USA)
pp. 1103-1107

Error Performance of Cooperative Diversity with Distributed Space-Time Code

Peng Huo (University of Mississippi, USA); Lei Cao (The University of Mississippi, USA)
pp. 1108-1112

Dynamic Spectrum Access Analysis in a Multi-User Cognitive Radio Network using Markov Chains

H. Patrick Ngallemo (Université du Québec à Montréal, Canada); Wessam Ajib (Université du Québec à Montréal, Canada); Halima Elbiaze (University of Quebec at Montreal, Canada)
pp. 1113-1117

Noise Impact Factor in the Performance of Interference-Limited Diversity Combining Antenna Arrays

Sebastien Roy (Laval University, Canada)
pp. 1118-1122

IT V: Invited Talk - Distributed Beamforming in Relay-Interference Networks

Speaker: Hamid Jafarkhani, Univ. California, Irvine, USA

N2Women: N2Women Meeting

SCLD: Special Session on Cloud Media

Cloud Mobile Media: Opportunities, Challenges, and Directions

Sujit Dey (University of California, San Diego, USA)
pp. 929-933

CoDaaS:An Experimental Cloud-Centric Content Delivery Platform for User-Generated Contents

Yichao Jin (Nanyang Technological University, Singapore); Yonggang Wen (Nanyang Technological University, Singapore); Guangyu Shi (Huawei Technologies Co., Ltd, P.R. China); Guoqiang Wang (Huawei, USA); Athanasios V. Vasilakos (National Technical University of Athens, Greece)
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