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GC'11 - Workshops: 2011 IEEE GLOBECOM Workshops (GC Wkshps) - Program

Committees and welcome

Monday, December 5

Registration

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Coffee/Tea Break

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Lunch break

Lunch Break

BREAK: Lunch break

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Rafael T Antonello (Federal University of Pernambuco & Brazilian Federal Institute of Education, Brazil); Stenio Fernandes (Federal University of Pernambuco, Brazil); Djamel Hadj Sadok (Federal University of Pernambuco, Brazil); Judith Kelner (Federal University of Pernambuco, Brazil)
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Operator-driven Framework for Establishing and Unifying Autonomic Network and Service Management Solutions
Kostas Tsagkaris (University of Piraeus, Greece); Panagiotis Vlacheas (University of Piraeus, Greece); Aimilia Bantouna (University of Piraeus & Telecommunication Networks and integrated Services Laboratory, Greece); Panagiotis Demestichas (University of Piraeus, Greece); Gerard Nguengang (Thales Communications SA, France); Mathieu Bouet (Thales Communications SA, France); Laurent Ciavaglia (Alcatel-Lucent, France); Pierre Peloso (Alcatel-Lucent, France); Imen Grida Ben Yahia (Orange Labs, France); Christian Destré (Orange Labs, France)
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S2: Multimedia Coding and Processing

A TV Program-Oriented User Generated Content Service with Seamless Video Reconstruction Ranking in Cloud Networks
Wei-Ting Cho (National Cheng Kung University, Taiwan); Chin-Feng Lai (National Ilan University, Taiwan); Shau-Yin Tseng (Industrial Technology Research Institute, Taiwan); Han-Chieh Chao (National Ilan University, Taiwan); Yueh-Min Huang (National Cheng Kung University, Taiwan)
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Privacy-Preserving License Plate Image Processing
Ikechukwu Azogu (University of Massachusetts Dartmouth, USA); Hong Liu (University of Massachusetts Dartmouth, USA)
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An Improved Method for Side Information Generation and Correlation Parameter Estimation for Distributed Video Coding
Bin Li (Beijing University of Posts and Telecommunications, P.R. China); Yumei Wang (Beijing University of Posts and Telecommunications, P.R. China); Yu Liu (Beijing University of Posts and Telecommunications, P.R. China); Lin Zhang (Beijing University of Posts and Telecommunications, P.R. China)
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Lightweight Packet Scheduling Algorithms for Content Uploading From Mobile Devices to Media Cloud
Yonggang Wen (Nanyang Technological University, Singapore); Ge Zhang (Nanyang Technological University, Singapore); Xiaoqing Zhu (Cisco Systems, USA)
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S3: Resource allocation in cognitive radio networks

Real-Time TVWS Trading Based on a Centralized CR Network Architecture
Athina Bourdena (University of the Aegean, Greece); Evangelos Pallis (Technological Educational Insitute of Crete, Greece); Georgios Kormentzas (University of the Aegean, Greece); Harry Skianis (University of the Aegean, Greece); George Mastorakis (Technological Educational Institute of Crete, Greece)
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Learning-based Dynamic Channel Selection for Opportunistic Spectrum Access
Chin-Wen Chou (HTC, Taiwan); Kate Ching-Ju Lin (Academia Sinica, Taiwan)
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Coalitional Game Formulation for Multi-Channel Cooperative Cognitive Radio Networks
Yu-Wei Chan (National Tsing Hua University, Taiwan); Ronald Y. Chang (Academia Sinica, Taiwan); Feng-Tsun Chien (National Chiao Tung University, Taiwan); Min-Kuan Chang (National Chung Hsing University, Taiwan); Yeh-Ching Chung (National Tsing Hua University, Taiwan)
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Reciprocal Spectrum Sharing Game and Mechanism in Cellular Systems with Cognitive Radio Users
Pin-Yu Chen (National Taiwan University, Taiwan); Weng Chon Ao (National Taiwan University, Taiwan); Shih Chun Lin (National Taiwan University, Taiwan); Kwang-Cheng Chen (National Taiwan University, Taiwan)
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Spectrum Map Retrieval Using Cognitive Radio Network Tomography
Chung-Kai Yu (Graduate Institute of Communication Engineering, National Taiwan University, Taiwan); Kwang-Cheng Chen (National Taiwan University, Taiwan)
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SCPA - 2: SCPA - Routing and Multicast Protocols and Algorithms

Robust Multicast Scheduling Based on Relaying, Power Control, and Rate Adaptation in Wireless Networks
Izhak Rubin (University of California at Los Angeles, USA); Kian Hedayati (UCLA, USA)
pp. 1116-1121

An Adaptive Threshold Method to Address Routing Issues in Delay-Tolerant Networks
Nicole Ng (Mitre Corporation, USA); Chorng Hwa Chang (Tufts University, USA); Zhongjian Zou (Tufts University, USA); Sai Tang (Tufts University, USA)
pp. 1122-1126

A Greedy Ant Colony Optimization for Routing in Delay Tolerant Networks
Ana Cristina Vendramin (Federal Technological University of Paraná, Brazil); Anelise Munaretto (UTFPR, Brazil); Myriam Regattieri Delgado (Federal Univestity of Technology of Paraná, Brazil); Aline Carneiro Viana (INRIA/TU-Berlin, France)
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Traffic Engineering Framework for Inter-working Multi-hop Wireless Networks
Oladayo Salami (University of Cape Town, South Africa)
pp. 1133-1138

Ant-based Dynamic Hop Optimization Protocol: a Routing Algorithm for Mobile Wireless Sensor Networks
Alexandre Massayuki Okazaki (Federal University of Santa Catarina & Laboratory for Software and Hardwate Integration, Brazil); Antônio Augusto Fröhlich (Federal University of Santa Catarina, Brazil)
pp. 1139-1143

WiUAV2: Connectivity and Coverage Optimization for Unmanned Systems

Decentralized Connectivity and User Localization Via Wireless Robotic Networks
Nicola Bezzo (University of New Mexico, USA); Rafael Fierro (UNM, USA)
pp. 1285-1290

Evaluation of Potential Fields Mobility Strategies for Aerial Network Provisioning
Niklas Goddemeier (TU Dortmund University, Germany); Sebastian Rohde (TU Dortmund University, Germany); Jakob Pojda (TU Dortmund University, Germany); Christian Wietfeld (TU Dortmund University, Germany)
pp. 1291-1296

Dynamic Coverage of Time-Varying Environments Using a Mobile Robot - a Communication-Aware Perspective
Alireza Ghaffarkhah (University of New Mexico, USA); Yuan Yan (University of New Mexico, USA); Yasamin Mostofi (University of New Mexico, USA)
pp. 1297-1302

Real-Time Dynamic Planning to Maintain Network Connectivity in a Team of Unmanned Air Vehicles
Andrew Kopeikin (Massachusetts Institute of Technology, USA); Sameera Ponda (Massachusetts Institute of Technology, USA); Jonathan How (Massachusetts Institute of Technology, USA)
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SG3: Demand Response and Smart Metering

Demand Side Management for Wind Power Integration in Microgrid Using Dynamic Potential Game Theory

Chenye Wu (Tsinghua University, P.R. China); Hamed Mohsenian-Rad (Texas Tech University, USA); Jianwei Huang (The Chinese University of Hong Kong, Hong Kong); Amy Yuexuan Wang (Tsinghua University & Institute for Interdisciplinary Information Sciences, P.R. China)
pp. 1199-1204

An Integer Linear Programming and Game Theory Based Optimization for Demand-side Management in Smart Grid

Ziming Zhu (Loughborough University, United Kingdom); Jie Tang (Loughborough University, United Kingdom); Sangarapillai Lambotharan (Loughborough University, United Kingdom); Woon Hau Chin (Toshiba Research Europe Limited, United Kingdom); Zhong Fan (Toshiba Research Europe, United Kingdom)
pp. 1205-1210

Anybody Home? Keeping User Presence Privacy for Advanced Metering in Future Smart Grid

Shuping Gong (University of Tennessee, Knoxville, USA); Husheng Li (University of Tennessee, USA)
pp. 1211-1215

Light-Weight Key Distribution and Management for Advanced Metering Infrastructure

Joseph Kamto (Prairie View A&M University, USA); Lijun Qian (Prairie View A&M University, USA); John Fuller (PVAMU, USA); John Attia (PVAMU, USA)
pp. 1216-1220

Coffee Break

Coffee/Tea Break

BREAK: Coffee break

MIMO

Downlink Beamforming in Multi-Antenna Two-Tier Networks with User Selection

Daniel Jaramillo-Ramirez (France Telecom, Research & Development Division & Supélec, France); Marios Kountouris (Supélec, France); Eric Hardouin (France Telecom, Research & Development Division, France)
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Coordinated MIMO Precoding for Power Minimization in Femtocell Systems

Olga Muñoz-Medina (Technical University of Catalonia, Spain); Josep Vidal (Universitat Politècnica de Catalunya, Spain); Adrian Agustin (Technical

University of Catalonia (UPC), Spain); Antonio Pascual-Iserte (Universitat Politècnica de Catalunya, Spain); Sergio Barbarossa (University of Rome, Italy)
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Decentralized Weighted Sum Rate Maximization in MIMO-OFDMA Femtocell Networks
Adrian Agustin (Technical University of Catalonia (UPC), Spain); Josep Vidal (Universitat Politècnica de Catalunya, Spain); Olga Muñoz-Medina (Technical University of Catalonia, Spain); Javier R. Fonollosa (Universitat Politècnica de Catalunya - Barcelona Tech (UPC), Spain)
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Panel Discussion

2-II: System design, performance and capacity II

Minimum Bit-Error-Rate Nonlinear Precoding for Multi-User Distributed Antenna Systems
Daniel Castanheira (University of Aveiro, Portugal); Atilio Gameiro (Telecommunications Institute/Aveiro University, Portugal); Adão Silva (Instituto de Telecomunicações (IT)/University of Aveiro, Portugal)
pp. 183-187

Distributed Versus Centralized Zero-Forcing Precoding for Multicell OFDM Systems
Reza Holakouei (Instituto de Telecomunicações - Universidade de Aveiro, Portugal); Adão Silva (Instituto de Telecomunicações (IT)/University of Aveiro, Portugal); Atílio Gameiro (Instituto de Telecomunicações / Universidade de Aveiro, Portugal)
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Joint Resource Allocations in Distributed Antenna Systems with Coherent Transmitter
Tan Wang (Beijing University of Posts and Telecommunications, P.R. China); Ying Wang (Beijing University of Posts and Telecommunications, P.R. China)
pp. 194-198

Capacity of Distributed Antenna Systems in Multi-Floor Buildings
Hassan Osman (University of Kent, United Kingdom); Huiling Zhu (University of Kent, United Kingdom); Temitope Alade (University of Kent, United Kingdom); Dimitris Toumpakaris (University of Patras, Greece)
pp. 199-202

MCECN4: Advances on Propagation Issues for Wireless Communications

Performance Evaluation for Code Division Multiple Access with Space-Frequency Block Code Downlink Transmission Over Multipath Weibull Fading Channel Model

Taimour Aldalgamouni (Jordan University of Science and Technology, Jordan); Amer M Magableh (Jordan University of Science and Technology, Jordan); Salsabeel Al-Theiabat (Jordan University of Science and Technology, Jordan)

pp. 575-579

Exact Analytical Solution for End-to-End SNR of Multihop AF Relaying Systems

Norman C. Beaulieu (University of Alberta, Canada); Samy S. Soliman (University of Alberta, Canada)

pp. 580-585

Characterization of Inter-Body Interference in Context Aware Body Area Networking (CABAN)

Sean F. Heaney (Queen's University, Belfast, United Kingdom); William G. Scanlon (Queen's University Belfast & University of Twente, United Kingdom); Emiliano Garcia-Palacios (Queens University Belfast, United Kingdom); Simon Cotton (Queen's University, Belfast, United Kingdom); Adrian McKernan (Queen's University Belfast, United Kingdom)

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Fair Channel Allocation and Power Control for Uplink and Downlink Cognitive Radio Networks

Ding Xu (Beijing University of Posts and Telecommunications, P.R. China); Zhiyong Feng (Beijing University of Posts and Telecommunications, P.R. China); Yizhe Li (Beijing University of Posts and Telecommunications, P.R. China); Ping Zhang (WTI-BUPT, P.R. China)

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Spatial, Spectral and Temporal Adaptation for Fast Fading MIMO-OFDMA Systems

Balkan Kecicioglu (Intel Corporation, USA); Wenxun Qiu (University of Texas at Dallas, USA); Hlaing Minn (University of Texas at Dallas, USA); John Hansen (University of Texas at Dallas, USA)

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MENS3-2: QoS for emerging networks

Client-Side Architecture for Mobile Service QoS Monitoring Using Generalized Extreme Value Theorem

Ammar Kamel (Western Michigan University, USA); Ala I Al-Fuqaha (Western Michigan University, USA)

pp. 690-694

I-DWRR - an Insolvency Enabled Scheduling Scheme Extending Deficit Weighted Round Robin
Patrick-Benjamin Bök (Ruhr-University Bochum, Germany); Katharina Kohls (Ruhr-University Bochum, Germany); York Tüchelmann (Ruhr-University Bochum, Germany); Kolja Kollorz (Ruhr-University Bochum, Germany)
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MENS4-2: Autonomic Networking, Cognitive Networking, and Self-Management

A Model-Driven Approach to Design and Verify Autonomic Network Behaviors
Arun Prakash (Fraunhofer FOKUS & Technische Universität Berlin, Germany); Ranganai Chaparadza (Fraunhofer Fokus, Germany); Alexej Starschenko (Fraunhofer FOKUS, Germany)
pp. 701-706

Autonomicity in Distributed Mobility Management
Yuhong Li (Beijing University of Posts and Telecommunications, P.R. China)
pp. 707-711

S3: Network Protocol and Security

Testbed-based Performance Evaluation of Routing Protocols for Vehicular Delay-Tolerant Networks
João Dias (Instituto de Telecomunicações, University of Beira Interior, Portugal); João Isento (Instituto de Telecomunicações, University of Beira Interior, Portugal); Vasco N. G. J. Soares (Polytechnic Institute of Castelo Branco, Instituto Telecomunicações, University of Beira Interior, Portugal); Farid Farahmand (Sonoma State University, USA); Joel J. P. C. Rodrigues (Instituto de Telecomunicações, University of Beira Interior, Portugal)
pp. 51-55

Performance Evaluation of Channel Guard Scheme for Cognitive Radio Networks
Tigang Jiang (University of Electronic Science and Technology of China (UESTC), P.R. China); Honggang Wang (University of Massachusetts, Dartmouth & College of Engineering, USA); Wei Wang (South Dakota State University, USA)
pp. 56-60

Matrix-Tree Based Hybrid Broadcast Encryption
Li Tao (Nanyang Technological University, Singapore); Huaqun Guo (Institute for Infocomm Research, Singapore); Maode Ma (Nanyang Technological University, Singapore)
pp. 61-65

Frame Fountain: Coding and Decoding MAC Frames
Qingmei Yao (University of Southern Mississippi, USA); Chong Tang (University of Southern Mississippi, USA); Shaoen Wu (University of Southern Mississippi, USA)
pp. 66-71

S4: Performance of cognitive radio networks

Effect of the Primary User Traffic on Cognitive Relaying with Adaptive Transmission
Anlei Rao (King Abdullah University of Science and Technology, Saudi Arabia); Hao Ma (King Abdullah University of Science and Technology, Saudi Arabia); Mohamed-Slim Alouini (KAUST, Saudi Arabia); Yunfei Chen (University of Warwick, United Kingdom)
pp. 992-996

Queue Performance Measures for Cognitive Radios in Spectrum Sharing Systems
Abdallah K Farraj (Texas A&M University, USA); Scott Miller (Texas A&M University, USA); Khalid A. Qaraqe (Texas A&M University at Qatar, USA)
pp. 997-1001

Performance Evaluation of Multiband Multi-Sensor Spectrum Sensing Systems
Che Kang Liang (Queen's University, Canada); Steven D Blostein (Queen's University, Canada)
pp. 1002-1007

A Geographically Homogeneous Mesh Grouping Scheme for Broadcast Cognitive Pilot Channel in Heterogeneous Wireless Networks
Zhiqing Wei (Beijing University of Posts and Telecommunications, P.R. China); Zhiyong Feng (Beijing University of Posts and Telecommunications, P.R. China)
pp. 1008-1012

SCPA - 3: SCPA - MAC Layer

Performance of Only-Phase Equalization in OFDM with Soft Decoding in Indoor Environment
Esam Ali Obiedat (CommScope Inc., USA)
pp. 1144-1147

Intelligent Cross-Layer Distributed Data Aggregation in Wireless Sensor Networks
Minglei Huang (University of Wisconsin-Madison, USA); Yu Hen Hu (University of Wisconsin-Madison, USA)
pp. 1148-1152

Establishing Performance Bounds for Alternating Cooperative Broadcasts Under High Path-Loss
Aravind Kailas (University of North Carolina at Charlotte, USA)
pp. 1153-1157

Mobility Prediction Clustering Algorithm for UAV Networking
Chunhua Zang (Nanjing University of Aeronautics and Astronautics, P.R. China)
pp. 1158-1161

WiUAV3: Networking Protocols and Cooperative Behavior of Unmanned Systems

Communication Protocols for Underwater Data Collection Using a Robotic Sensor Network
Geoffrey A Hollinger (University of Southern California, USA); Sunav Choudhary (University of Southern California, USA); Parastoo Qarabaqi (Northeastern University, USA); Chris Murphy (Woods Hole Oceanographic Institution & Massachusetts Institute of Technology, USA); Urbashi Mitra (University of Southern California, USA); Gaurav Sukhatme (University of Southern California, USA); Milica Stojanovic (Northeastern University, USA); Hanumant Singh (Woods Hole Oceanographic Institution, USA); Franz Hover (MIT, USA)
pp. 1308-1313

One-Step-Ahead Kinematic Compressive Sensing
Franz Hover (MIT, USA); Robert Hummel (Massachusetts Institute of Technology, USA); Urbashi Mitra (University of Southern California, USA); Gaurav Sukhatme (University of Southern California, USA)
pp. 1314-1319

Highly Reliable Communication Protocol for WSN-UAV System Employing TDMA and PFS Scheme
Dac-Tu Ho (Waseda University, Japan); Shigeru Shimamoto (Waseda University & Graduate School of Global Information and Telecommunication Studies, Japan)
pp. 1320-1324

Panel

S4: Video Streaming and Overlay Networks

Prediction-based Loss Recovery for Frame-level Streaming Video
Chun-I Kuo (National Cheng Kung University, Taiwan); Chi Huang Shih (Hungkuang University, Taiwan); Ce-Kuen Shieh (National Cheng Kung University, Taiwan); Wen-Shyang Hwang (National Kaoshiung University of Applied Science, Taiwan)
pp. 72-76

An Architecture for Autonomic Management of Overlay Networks
Yousif Al Ridhawi (University of Ottawa, Canada); Imad Abdeljaouad (University of Ottawa, Canada); Ahmed Karmouch (University of Ottawa, Canada)
pp. 77-82

An End-to-End Video Quality Metric Considering Impacts From Both Encoding and Transmission
Yang Yan (BUPT, P.R. China); Wen Xiangming (Beijing University of Posts and Telecommunications, P.R. China)
pp. 83-88

Friday, December 9

Registration

CCNet1: Complex Networks

Self-organization of Nodes Using Bio-Inspired Techniques for Achieving Small World Properties
Rachit Agarwal (Telecom SudParis & SAMOVAR UMR 5157, France); Abhik Banerjee (Nanyang Technological University, Singapore); Vincent Gauthier (Institut TELECOM; Telecom SudParis; SAMOVAR UMR, France); Monique Becker (Institut TELECOM; Telecom SudParis, France); Chai Kiat Yeo (Nanyang Technological University, Singapore); Bu Sung Lee (Nanyang Technological University, Singapore)
pp. 89-94

An Internet Local Routing Approach Based on Network Structural Connectivity
Pau Erola (Universitat Rovira i Virgili, Spain); Sergio Gómez (Universitat Rovira i Virgili, Spain); Alex Arenas (Universidad Rovira I Virgili, Spain)
pp. 95-99

Towards Community-Centric Integrity Management in Crowd-Sourced Systems
Amin Ranjbar (McGill University, Canada); Muthucumaru Maheswaran (McGill University, Canada)
pp. 100-104

S1: Hybrid and Heterogeneous Networks

Efficient Zero - Knowledge Identification Based on One Way Boolean Transformations
Peter Stavroulakis (Technical University of Crete, Greece); Oleksandr P. Markovskyi (National Technical University of Ukraine, (Polytechnic Institute of Kiev), Ukraine); Nikolaos G. Bardis (University of Military Education - Hellenic Army Academy, Greece); Nikolaos Doukas (Hellenic Army Academy, Greece)

pp. 275-280

A Generalized Spatial Boundary Analysis Method for Clustering/Multi-hop Hybrid Routing in Wireless Sensor Networks
Sampath Priyankara (University of Osaka & Graduate School of Information Science and Technology, Japan); Kazuhiko Kinoshita (Osaka University, Japan); Hideki Tode (Osaka Prefecture University, Japan); Koso Murakami (Osaka University, Japan)
pp. 281-286

A Novel Tractable Framework to Analyse Heterogeneous Cellular Networks
He Wang (Australian National University & NICTA, Australia); Mark C. Reed (Australian National University, Australia)
pp. 287-292

A New Distributed Optimization Framework for Hybrid Ad-hoc Networks
Georgios Tychogiorgos (Imperial College, United Kingdom); Athanasios Gkelias (Imperial College London, United Kingdom); Kin K. K. Leung (Imperial College, United Kingdom)
pp. 293-297

S1: Opening and Keynote Session

Opening plenary and keynote speech

PLS-KS1: PLS:Key-Note Speaker 1

Keynote Speech: Fundamentals of Cooperation in Cellular Networks

Prof. H. Vincent Poor, Princeton University

S0#0: Welcome session

UbiCoNet-0: Invited talk - Hiroshi Dempo

CUBIQ - Ubiquitous service platform / Hiroshi Dempo, NEC, Japan

S0#1: Keynote

Coffee Break

Coffee Break

Coffee break

S1: Session 1: WiMAX and LTE

WiMAX Non-Saturated Analysis
Giovanni Giambene (University of Siena, Italy); Snezana Hadzic (University of Siena, Italy)
pp. 1325-1329

A New Approach for Improving Indoor LTE Coverage
Carlos Gandarillas (Telefonica Research and Development, Spain); Victor Iglesias (Telefonica Research and Development, Spain); Maria Teresa Aparicio (Telefonica Research and Development, Spain); Emilio Mino (Telefónica Investigacion y Desarrollo & Telefonica, Spain); Pedro Olmos (Telefonica Reseach and Development, Spain)
pp. 1330-1335

Keynote Speech: Coordinated Multipoint Processing and Relaying

Prof. Markku Juntti, University of Oulu

Session I: The wireless aspects of rural communications

IncrEase: A Tool for Incremental Planning of Rural Fixed Broadband Wireless Access Networks
Giacomo Bernardi (The University of Edinburgh, United Kingdom); Mahesh K Marina (The University of Edinburgh, United Kingdom); Francesco Talamona (NGI SpA, Italy); Dmitry Rykovanov (NGI SpA, Italy)
pp. 1013-1018

Next Generation Communication Technologies: Wireless Mesh Network for Rural Connectivity
Adnan Quadri (North South University & Amadeyr Cloud Ltd., Bangladesh); Montasir Farhan (North South University & Amadeyr Cloud, Bangladesh); Kazi M. Hasan (North South University, Bangladesh); Elizabeth Ali (Amadeyr Cloud, Bangladesh); Ashir Ahmed (Kyushu University & Grameen Communications, Japan)
pp. 1019-1023

A Low Cost and Power Efficient TV White Space Technology Solution for Future Rural Broadband Access Networks
Malcolm Brew (Steepest Ascent Ltd, United Kingdom); Faisal Darbari (University of Strathclyde, Glasgow, United Kingdom); Colin McGuire (University of Strathclyde, United Kingdom); Gregour Bolton (University of Stathclyde, United Kingdom); Stephan Weiss (University of Strathclyde, United Kingdom); Robert Stewart (University of Strathclyde, United Kingdom)
pp. 1024-1028

PerGroup1: Pervasive Group Communication

Alleviating Network Load in Dense Urban Multi-Access Application-Layer Multicast
Christian Hübsch (Karlsruhe Institute of Technology (KIT), Germany); Oliver P. Waldhorst (Ilmenau University of Technology & Karlsruhe Institute of Technology (KIT), Germany)
pp. 105-109

Service Sharing in Mobile Sensing Systems
Pramita Mitra (University of Notre Dame, USA); Christian Poellabauer (University of Notre Dame, USA)
pp. 110-114

Group-based Underwater Wireless Sensor Network for Marine Fish Farms
Jaime Lloret (Universidad Politécnica de Valencia, Spain); Sandra Sendra (Universidad Politécnica de Valencia, Spain); Miguel Garcia (Universidad Politecnica de Valencia, Spain); Ginés Lloret (Instituto Politécnico Marítimo Pesquero del Mediterraneo, Spain)
pp. 115-119

PLS-T1: PLS:Technical Session: Relay Assisted Wiretap Channels

Secure Wireless Communications Via Cooperative Relaying and Jamming
Ling Tang (Southeast University, P.R. China); Xiaowen Gong (Arizona State University, USA); Jianhui Wu (Southeast University, P.R. China); Junshan Zhang (Arizona State University, USA)
pp. 849-853

Gaussian Two-way Wiretap Channel with an Arbitrarily Varying Eavesdropper
Xiang He (Microsoft, USA); Aylin Yener (Pennsylvania State University, USA)
pp. 854-858

Deaf Cooperation for Secrecy in Multiple-Relay Networks
Raef Bassily (University of Maryland, USA); Sennur Ulukus (University of Maryland, USA)
pp. 859-863

S2: Cross-layering and Optimization

Estimators for RBS-Based Time Synchronization in Heterogeneous Wireless Networks

Djamel Djenouri (CERIST research centre, Algiers, Algeria)
pp. 298-302

Fast Multichannel Switching for IEEE 802.11S Multiradio Wireless Mesh Networks

Claude Roy (École de Technologie Supérieure, Canada); Zbigniew Dziong (École de technologie supérieure, University of Quebec, Canada); Jean-Charles Gregoire (University of Quebec, INRS, Canada)
pp. 303-308

Monotonic Signed Graph Approach for Cross-layer Congestion Control in Wireless Ad-hoc Networks

Hemant Kumar Rath (Tata Consultancy Services, India); Rajan M A (Tata Consultancy Services, India); P. Balamuralidhar (Tata Consultancy Services, India)
pp. 309-314

Cross-layer Quality of Service Based Admission Control for Web Services

Frank T. Johnsen (Norwegian Defence Research Establishment (FFI), Norway); Trude H Bloebaum (Norwegian Defence Research Establishment (FFI), Norway); Mariann Hauge (Norwegian Defence Research Establishment (FFI), Norway); Øyvind Kolbu (University of Oslo, Norway)
pp. 315-320

Energy-Efficient Task Allocation for Distributed Applications in Wireless Sensor Networks

Virginia Pilloni (University of Cagliari, Italy); Luigi Atzori (University of Cagliari, Italy)
pp. 321-326

Energy and QoS- a New Perspective in a City Vehicular Communication Network

Hamdi Idjmayyel (University of Leeds, United Kingdom); Wanod Kumar (University of Leeds, United Kingdom); Bilal R Qazi (University of Leeds, United Kingdom); Jaafar Elmirghani (University of Leeds, United Kingdom)
pp. 327-331

S2: Next Generation Network Infrastructures & Green Computing and Communications

An Integration of Semantics in Multi Criteria Decision Making for Converged Multimedia Network Management

Sajjad Ali Mushtaq (Telecom Bretagne Brest, France); Christophe Lohr (Telecom Bretagne, France); Annie Gravey (Institut Telecom - Telecom Bretagne, France)
pp. 712-717

Evolution of the Resource Reservation Mechanisms for Machine Type Communication Over Mobile Broadband Evolved Packet Core Architecture
Marius Corici (Fraunhofer FOKUS, Germany); Jens Fiedler (Fokus Fraunhofer, Germany); Thomas Magedanz (Fraunhofer FOKUS, Germany); Dragos Vingarzan (Fraunhofer-FOKUS Institute, Germany)
pp. 718-722

A Novel Architecture for Efficient Management of Multimedia-Service Clouds
Elena Korotich (University of Ottawa, Canada); Nancy Samaan (University of Ottawa, Canada)
pp. 723-727

Enhanced Subcarrier Index Modulation (SIM) OFDM
Dobroslav A. Tsonev (University of Edinburgh, United Kingdom); Sinan Sinanovic (University of Edinburgh, United Kingdom); Harald Haas (The University of Edinburgh, United Kingdom)
pp. 728-732

Session 1: Radio Resource Allocation and Management

Uplink Scheduling for Machine-to-Machine Communications in LTE-based Cellular Systems
Athanasios Lioumpas (University of Piraeus, Greece); Angeliki Alexiou (University of Piraeus, Greece)
pp. 353-357

Performance Analysis of a Distributed Resource Allocation Scheme for D2D Communications
Marco Belleschi (University of Siena, Italy); Gabor Fodor (Ericsson Research, Sweden); Andrea Abrardo (University of Siena, Italy)
pp. 358-362

Power Allocation Schemes for Spatial Field Estimation with Compressed Observations in M2M Capillary Networks
Javier Matamoros (Centre Tecnologic de Telecomunicacions de Catalunya, Spain); Carles Antón-Haro (Centre Tecnologic de Telecomunicacions de Catalunya (CTTC), Spain)
pp. 363-367

Prioritized Random Access with Dynamic Access Barring for RAN Overload in 3GPP LTE-A Networks
Jen-Po Cheng (Academia Sinica, Taiwan); Chia-han Lee (Academia Sinica, Taiwan); Tzu-Ming Lin (ITRI, Taiwan)
pp. 368-372

Throughput Comparison of Random Access Methods for M2M Service Over LTE Networks
Ki-Dong Lee (LG Electronics Mobile Research, USA)
pp. 373-377

A Novel Low Complexity Differential Energy Detection for Sensing OFDM Sources in Low SNR Environment
Parisa Cheraghi (University of Surrey, United Kingdom); Yi Ma (University of Surrey, United Kingdom); Zhengwei Lu (University of Surrey, United Kingdom); Rahim Tafazolli (University of Surrey, United Kingdom)
pp. 378-382

UbiCoNet-1: Ubiquitous Networks

A Study on Energy Efficient Cluster-based Network Coding Protocol for Aggregated-Data Gathering in Wireless Sensor Networks
Qian Xiao (Beijing University of Posts and Telecommunications, P.R. China); Kangfeng Zheng (Beijing University of Posts and Telecommunications, P.R. China); Shoushan Luo (Beijing University of Posts and Telecommunications, P.R. China); Yajian Zhou (Beijing University of Posts and Telecommunications, P.R. China)
pp. 1221-1225

A Flexible QoE Framework for Video Streaming Services
Alberto Alvarez (University of Oviedo, Spain); Sergio Cabrero (University of Oviedo, Spain); Xabiel García Pañeda (University of Oviedo, Spain); Roberto Garcia (University of Oviedo, Spain); David Melendi (University of Oviedo, Spain); Rafael Orea (University of Oviedo, Spain)
pp. 1226-1230

A Framework for Ubiquitous IP Communications in Vehicle to Grid Networks
Sandra Céspedes (University of Waterloo & Icesi University, Canada); Sherman Shen (University of Waterloo, Canada)
pp. 1231-1235

An Energy Efficient, High Throughput MAC Protocol Using Packet Aggregation
Kien Nguyen (The Graduate University for Advanced Studies, Japan); Ulrich Meis (National Institute of Informatics, Japan); Yusheng Ji (National Institute of Informatics, Japan)
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Real Options for Mobile Communication Management
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Coffee Break

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