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CNBuB1: The 3rd International Workshop on Community Networks and Bottom-up-Broadband

Improving P2P Streaming in Community-Lab Through Local Strategies

Luca Baldesi, Leonardo Maccari and Renato Lo Cigno (University of Trento, Italy)
pp. 33-39

WiBed, A Platform for Commodity Wireless Testbeds

Pau Escrich (Guifi.net, Spain); Emmanouil Dimogerontakis (Universitat Politècnica de Catalunya, Spain); Eloi Carbo (Universitat Politècnica de Catalunya (Barcelona), Spain); Roger Baig (Fundació Privada per a la Xarxa Oberta, Lliure i Neutral Guifi.net, Spain); Axel Neumann, Alexandre Fonseca and Leandro Navarro (Universitat Politècnica de Catalunya, Spain); Felix Freitag (Technical University of Catalonia, Spain)
pp. 85-91

Software-Defined Crowd-Shared Wireless Mesh Networks

Ahmed Abujoda (Leibniz Universität Hannover, Germany); Arjuna Sathiseelan (University of Cambridge, United Kingdom); Amr Rizk and Panagiotis Papadimitriou (Leibniz Universität Hannover, Germany)
pp. 130-135

CWN1: 2014 The First International Workshop on Cooperative Wireless Networks

Coordinating Replication Decisions in Multi-copy Routing for Opportunistic Networks

Nikolaos Papanikos and Evangelos Papapetrou (University of Ioannina, Greece)
pp. 8-13

Opportunistic Forwarding of Network-Coded Multicast Traffic in Wireless Sensor Networks

Jens Horneber (Karlsruhe Institute of Technology (KIT), Germany)
pp. 66-71

Wishart and Pseudo Wishart Matrix Eigenvalue Distributions for Cooperative Cognitive Radio Sensing

Usama Y. Mohamad and Dirk Dahlhaus (University of Kassel, Germany)
pp. 114-119

EN4PPDR1: The IEEE WiMob 2014 Workshop on Emergency Networks for Public Protection and Disaster Relief

Building an IT Platform for Strategic Crisis Management Preparation

Alexandre Ahmad (DIGINEXT, France); Arjen Boin (Crisisplan / Leiden University, The Netherlands); Fredrik Bynander (National Defence College, Sweden); Giovanni Pintore (CRS4, Italy); Fabio Ganovelli (ISTI-CNR, Italy); George Leventakis (Center for Security Studies (KEMEA), Greece); Olivier Balet (DIGINEXT, France)
pp. 20-27

Integration between Terrestrial and Satellite Networks: the PPDR-TC vision

Carlo Augusto Grazia, Martin Klapez, Natale Patriciello and Maurizio Casoni (University of Modena and Reggio Emilia, Italy); Angelos Amditis (Institute of Communication and Computer Systems, Greece); Evangelos Sdongos (Institute of Communication and Computer Systems & National Technical University of Athens, Greece); Henryk Gierszal (Adam Mickiewicz University, Poland);

Dimitris Kanakidis (EXUS, Greece); Christos Katsigiannis (EXUS S.A., Greece); Krzysztof Romanowski (ITTI, Poland); Pedro Simplicio and André Oliveira (TEKEVER, Portugal); Sean Sonander (Rinicom, United Kingdom); James Jackson (Rinicom Ltd, United Kingdom)
pp. 77-84

E-SPONDER System: A new Communication Infrastructure for Future Emergency Networks

Tiziana Campana (University of Modena e Reggio Emilia, Italy); Maurizio Casoni (University of Modena and Reggio Emilia, Italy); Alexandros Karagiannis (National Technical University of Athens, Greece); Konstantinos Maliatsos (University of Piraeus & National Technical University of Athens, Greece); Athanasios Marousis (National Technical University of Athens, Greece)
pp. 136-143

SCUCA1: The 2nd IEEE WiMob 2014 International Workshop on Smart City and Ubiquitous Computing Applications (SCUCA 2014)

The Web of Things: towards smart pervasive environments

CNBuB2: The 3rd International Workshop on Community Networks and Bottom-up-Broadband

Federation of Community Networking testbeds

Gerard Marin and Leandro Navarro (Universitat Politècnica de Catalunya, Spain)
pp. 200-204

Tracking and Predicting Link Quality in Wireless Community Networks

Pere Millan and Carlos Molina (Universitat Rovira i Virgili, Spain); Esunly Medina (Universitat Politècnica de Catalunya, India); Davide Vega and Roc Meseguer (Universitat Politècnica de Catalunya, Spain); Bart Braem and Chris Blondia (iMinds - University of Antwerp, Belgium)
pp. 239-244

Exploring local service allocation in Community Networks

Davide Vega (Universitat Politècnica de Catalunya, Spain); Guillem Cabrera (Universitat Oberta de Catalunya, Spain); Roc Meseguer (Universitat Politècnica de Catalunya, Spain); Joan Manuel Marquès (Universitat Oberta de Catalunya, Spain)
pp. 273-280

CWN2: 2014 The First International Workshop on Cooperative Wireless Networks

A Practical Approach for Base Station On/Off Switching in Green LTE-A HetNets

Elias Yaacoub (Qatar Mobility Innovations Center (QMIC), Qatar)
pp. 159-164

Local cooperative caching policies in multi-hop D2D networks

Javed Iqbal, Paolo Giaccone and Claudio Rossi (Politecnico di Torino, Italy)
pp. 245-250

A Software-Defined Mobile Network Architecture

Carlos Giraldo and Felipe Gil-Castiñeira (University of Vigo, Spain); Cristina López-Bravo (Universidade de Vigo, Spain); Francisco J. González-Castaño (Universidad de Vigo, Spain)
pp. 287-291

EN4PPDR2: The IEEE WiMob 2014 Workshop on Emergency Networks for Public Protection and Disaster Relief

Evaluating Passive Neighborhood Discovery for Low Power Listening MAC Protocols

Hamed Khanmirza (University of Tehran, Iran); Olaf Landsiedel and Marina Papatriantafidou (Chalmers University of Technology, Sweden)
pp. 173-180

TEMPEST: Test EnvironMent for Performance Evaluation of the Scheduling of packeTs

Carlo Augusto Grazia, Maurizio Casoni and Paolo Valente (University of Modena and Reggio Emilia, Italy)
pp. 231-238

Performance Evaluation of A Technology Independent Security Gateway for Next Generation Networks

Fudong Li (Plymouth University, United Kingdom); Nathan Clarke, Steven Furnell and Is-Haka Mkwawa (University of Plymouth, United Kingdom)
pp. 281-286

SCUCA2: The 2nd IEEE WiMob 2014 International Workshop on Smart City and Ubiquitous Computing Applications (SCUCA 2014)

UnCrowdTPG: Assuring the Experience of Public Transportation Users

Mattia Gustarini, Jerome Marchanoff, Marios Fanourakis and Christiana Tsiourti (University of Geneva, Switzerland); Katarzyna Wac (University of Geneva & Quality of Life group, Switzerland)
pp. 1-7

Dynamic Cargo Routing on-the-Go: The Case of Urban Solid Waste Collection

Artemios G. Voyiatzis (Industrial Systems Institute / RC Athena, Greece); John Gialelis (University of Patras, Greece); Dimitris Karadimas (Industrial Systems Institute/RC Athena, Greece)
pp. 58-65

Smart Cities Recharged: Improving Electrical Vehicles Recharging by Routine-Aware Scheduling

Mehmet Sukru Kuran (Abdullah Gul University, Turkey); Aline Carneiro Viana (INRIA, France); Luigi Iannone (Telecom ParisTech, France); Daniel Kofman (Telecom ParisTech & RAD Data Communications, France); Gregory Mermoud (Cisco, USA); Jean-Philippe Vasseur (Cisco Systems, USA)
pp. 106-113

IoT: Internet of Things Communications and Technologies (IoT - CT 2014)

DCCA: Differentiating Clear Channel Assessment for Improved 802.11/802.15.4 Coexistence

Alex King, James Brown and Utz Roedig (Lancaster University, United Kingdom)
pp. 45-50

An Architecture supporting Knowledge flow in Social Internet of Things systems

Orfefs Voutyras, Panagiotis Bourellos, Dimosthenis Kyriazis and Theodora Varvarigou (National Technical University of Athens, Greece)
pp. 100-105

IoT Architecture Proposal for Disabled People

Nuno Vasco Lopes (University of Minho, Portugal)
pp. 152-158

Enforcement of Security Policy Rules for the Internet of Things

Ricardo Neisse (European Commission Joint Research Centre, Italy); Gary Steri (European Commission JRC, Italy); Gianmarco Baldini (Joint Research Centre - European Commission, Italy)
pp. 165-172

Cloud of Secure Elements: An Infrastructure For The Trust of Mobile NFC Services

Pascal Urien (Télécom ParisTech, France)
pp. 213-218

A NFP Model for Internet of Things applications

Sabrina Sicari, Alessandra Rizzardi and Alberto Coen-Portisini (University of Insubria, Italy); Cinzia Cappiello (Politecnico di Milano, Italy)
pp. 265-272

SCUCA3: The 2nd IEEE WiMob 2014 International Workshop on Smart City and Ubiquitous Computing Applications (SCUCA 2014)

A full end-to-end Platform as a Service for Smart City Applications

Charalampos Doukas and Fabio Antonelli (CREATE-NET, Italy)
pp. 181-186

Mobile cultural experiences and their long-term preservation

Emmanuel S. Sardis (National Technical University of Athens - NTUA, Greece); Anastasios D Doulamis (National Technical University of Athens, Greece); Georgia Kyriakaki (Technical University of Crete, Greece); Vasileios Anagnostopoulos (National Technical University of Athens, Greece)
pp. 219-224

Integrating gesture-based identification in context-aware applications: a system approach

Héctor Cuevas (Universidad Politécnica de Madrid, Spain); Ana M. Bernardos (Universidad Politecnica de Madrid, Spain); Xian Wang and Luca Bergesio (Universidad Politécnica de Madrid, Spain); Jose R Casar (Universidad Politecnica de Madrid, Spain)
pp. 257-264

eHPWAS: e-Health Pervasive Wireless Applications and Services (eHPWAS'14)

A New Web-based E-health platform

Noura Baccar (University of Tunis Elmanar & Cynapsys, Tunisia); Ridha R. Bouallegue, B. (Ecole Supérieure des Communications de Tunis, Tunisia)
pp. 14-19

GRASP for the Vehicle Routing Problem with Time Windows, synchronization and precedence constraints

Syrine Roufaida Ait Haddadene, Nacima Labadie and Caroline Prodhon (University of Technology of Troyes, France)
pp. 72-76

Continuous wearable health monitoring using novel PPG optical sensor and device

Armen Poghosyan (Sensogram Technologies Inc. & Institute for Physical Research, Armenia); Vahram Mouradian (Sensogram Technologies inc., USA); Levon Hovhannisyan (Sensogram Technologies Ltd., Armenia)
pp. 120-123

iHealth: A Fuzzy approach for provisioning Intelligent Health-care system in Smart City

Suman Sankar Bhunia, Sourav Dhar and Nandini Mukherjee (Jadavpur University, India)
pp. 187-193

EN4PPDR3: The IEEE WiMob 2014 Workshop on Emergency Networks for Public Protection and Disaster Relief

Design and Deployment of a Wireless Sensor Network for Landslide Risk Management

Andrea Giorgetti and Matteo Lucchi (University of Bologna, Italy); Emanuele Tavelli (Winet, Italy); Marco Chiani and Davide Dardari (University of Bologna, Italy)
pp. 292-297

Sensor data collection experiments with Chaoster in the Fed4FIRE federated testbeds

Balazs Pataki and Laszlo Kovacs (MTA SZTAKI, Institute for Computer Science and Control of the Hungarian Academy of Sciences, Hungary)
pp. 306-313

Environmental EMF Monitoring in the SEMONT System Using Quad-band AMB 8057/03 Sensor

Danka Antic (University of Novi Sad & Faculty of Technical Sciences, Novi Sad, Serbia); Nikola Djuric and Dragan Kljajic (Faculty of Technical Sciences, University of Novi Sad, Serbia)
pp. 328-333

DSoNets: The First IEEE WiMob 2014 Workshop On Dynamic Social Networks

SONIC: Towards Seamless Interaction in Heterogeneous Distributed OSN Ecosystems

Sebastian Göndör (Telekom Innovation Laboratories / TU Berlin, Germany); Hussam Hebbó (TU Berlin, Germany)
pp. 407-412

Exploiting Social Preferences for Congestion Control in Opportunistic Networks

Dimitrios-Georgios Akestoridis, Nikolaos Papanikos and Evangelos Papapetrou (University of Ioannina, Greece)
pp. 413-418

EN4PPDR4: The IEEE WiMob 2014 Workshop on Emergency Networks for Public Protection and Disaster Relief

Business models and multi-domain analysis for acquiring broadband PPDR systems

Piotr Tyczka (ITTI Ltd., Poland); Henryk Gierszal (Adam Mickiewicz University, Poland); Krzysztof Romanowski (ITTI, Poland); Damien Lavaux (Thales Communications, France); Christos Katsigiannis (EXUS S.A., Greece); Karina Pawlina (ITTI Ltd., Poland)
pp. 334-340

A Novel Method of Determining EWS Wake-up Trigger for ISDB-T Digital Television Receivers

Satoshi Takahashi (Hiroshima City University, Japan)
pp. 348-353

A Real World Evaluation of Push to Talk Service Over IMS and LTE for Public Safety Systems

Alhad Kuwadekar (University of South Wales, United Kingdom)
pp. 365-370

GROWN-1: GReen Optimized Wireless Networks Workshp -1

Energy Efficient RRM Strategies for Current and Upcoming TeTRA Cellular Systems

Enrico Del Re (University of Florence, Italy); Simone Morosi and Pierpaolo Piunti (University of Florence - CNIT, Italy); Giacomo Mazzi and Ottavio Gremigni (University of Florence, Italy)
pp. 40-44

An Ultra Low Power High Sensitivity Wake-Up Radio Receiver with Addressing Capability

Michele Magno (ETH Zurich and University of Bologna, Switzerland); Luca Benini (University of Bologna, Italy)
pp. 92-99

Cooperative Beamforming in Ad-Hoc Networks with Sublinear Transmission Power

Thomas Janson (University of Freiburg, Germany); Christian Schindelbauer (University of Freiburg & Rechnernetze und Telematik an der Albert-Ludwigs-Universität Freiburg, Germany)
pp. 144-151

RAWMAC: A Routing Aware Wave-based MAC Protocol for WSNs

Pietro Gonizzi (University of Parma, Italy); Paolo Medagliani (Thales Communications and Security, France); Gianluigi Ferrari (University of Parma, Italy); Jeremie Leguay (Thales Communications & Security, France)
pp. 205-212

Keynote1: Keynote Talk 1: Three Decades of Ubiquitous Computing Development: Opportunities and New Challenges

Mark Weiser predicted a connected and ubiquitous world in his visionary paper in the late 1980s. It has taken that vision over 30 years to be truly put in practice. Much of this deployment is due to the advance in wireless technology. This talk will review some

of the opportunities of today's ubiquity and the unexpected challenges that it has thrown out. In particular, the talk will relate these issues to the examples of important developments such as of digital life memories or life logging and their applications, mobile cloud technology, and the effect of smart services such as smart cities on privacy and security.

ST1: Sixth International Workshop on Selected Topics in Mobile and Wireless Computing

Physical PH1

Analysis evaluation of collision detection scheme utilizing MIMO transmission

Yoshiaki Morino, Takefumi Hiraguri, Toshiyuki Ogawa and Hideaki Yoshino (Nippon Institute of Technology, Japan); Kentaro Nishimori (Niigata University, Japan)
pp. 28-32

Towards Understanding Interruption and Reordering in HSPA/HSPA+ Networks

Lennart Schulte, Gautam Raj Moktan, Mikko Särelä and Jukka M J Manner (Aalto University, Finland)
pp. 51-57

On Using Relays with Carrier Aggregation for Planning 5G Networks Supporting M2M Traffic

Elias Yaacoub (Qatar Mobility Innovations Center (QMIC), Qatar); Zaher Dawy (American University of Beirut, Lebanon)
pp. 124-129

Analytic Performance Evaluation of M-QAM Based Decode-and-Forward Relay Networks Over Enriched Multipath Fading Channels

Mulugeta K Fikadu (Tampere University of Technology, Finland); Paschalis C. Sofotasios (Tampere University of Technology & Aristotle University of Thessaloniki, Finland); Mikko Valkama (Tampere University of Technology, Finland); Qimei Cui (Beijing University of Posts and Telecommunications, P.R. China)
pp. 194-199

UB1: Ubiquitous Computing, Services and Applications

A Novel Application Model and an Offloading Mechanism for Efficient Mobile Computing

Jose Andres Gonzalez Barrameda and Nancy Samaan (University of Ottawa, Canada)
pp. 419-426

Context-Aware Adaptive Recommendation of Resources for Mobile Users in a University Campus

Guilherme Medeiros Machado and José Palazzo (Federal University of Rio Grande do Sul, Brazil)
pp. 427-433

K-Means Based Clustering Approach for Data Aggregation in Periodic Sensor Networks

Hassan Harb (Lebanese University, Lebanon); Abdallah Makhoul (University of Franche-Comté, France); David Laiymani (LIFC, France); Ali Jaber (Lebanese University, Lebanon); Rami Tawil (LIU University, Lebanon)
pp. 434-441

Activity Recognition from Sensors using Dyadic Wavelets and Hidden Markov Model

Roland Assam (RWTH Aachen University, Germany); Thomas Seidl (RWTH Aachen University, Germany)
pp. 442-448

WI1: Wireless Communications

Investigation of Capacity Loss and Mean Effective Gain in Multiple Antenna Systems

Belgacem Aouadi (SUP'COM, Tunisia); Jamel Belhadj Tahar (Sup'Com, Tunisia)
pp. 449-454

Adaptive Bit and Power Allocation Algorithm for SVD-MIMO System with Fixed Transmission Rate

Kazuhiko Mitsuyama (Japan Broadcasting Corporation, Japan); Naohiko Iai (Japan Broadcasting Corporation (NHK), Japan)
pp. 455-460

Physical Layer Secrecy for MISO Channel with Quantized Feedback

Ioannis Krikidis and Constantinos Psomas (University of Cyprus, Cyprus)
pp. 461-466

Performance Analysis of Full-duplex MIMO-SVD-SIC based Relay in the Presence of Channel Estimation Errors

Mohamad A. Ahmed (Newcastle University /UK & University of Mosul / IRAQ, United Kingdom); Charalampos C. Tsimenidis and Stephane Le Goff (Newcastle University, United Kingdom)
pp. 467-472

WM1: Wireless Networking, Mobility and Nomadicity

Opportunistic Networks: Minimizing Expected Latency

Shohreh Shaghaghian and Mark Coates (McGill University, Canada)
pp. 473-478

Social Networks for Certification in Vehicular Disruption Tolerant Networks

Thiago R. Oliveira (UFSJ, Brazil); Sergio de Oliveira (Federal University of Sao Joao Del Rey, Brazil); Daniel Fernandes Macedo and José-Marcos Nogueira (Federal University of Minas Gerais, Brazil)
pp. 479-486

PADAVAN: Privacy-Aware Data Accumulation for Vehicular Ad-hoc Networks

Andreas Tomandl, Dominik Herrmann and Hannes Federrath (University of Hamburg, Germany)
pp. 487-493

Predicting Journeys for DTN Routing in a Public Transportation System

Fabio R Segundo (Universidade Federal de Santa Catarina & Universidade Regional de Blumenau, Brazil); Eraldo Silveira e Silva (UFSC University Fed Santa Catarina, Brazil); Jean-Marie Farines (Universidade Federal de SC, Brazil)
pp. 494-499

ST2: Sixth International Workshop on Selected Topics in Mobile and Wireless Computing

Sensor Networks

This is How We Roll: Cultural Traits in Check-in Behaviour

Andreas Komninos (University of Stirling, United Kingdom); Jerjes Besharat and John Garofalakis (University of Patras, Greece); Dimitrios Michelakis (University of Edinburgh, United Kingdom)
pp. 225-230

Energy Preservation in Large-Scale Wireless Sensor Network Utilizing Distributed Compressive Sensing

Nayera Youness (German University in Cairo, Egypt); Khaled Hassan (German University in Cairo (GUC), Egypt)
pp. 251-256

Towards Accurate Mobility and Radio Link Modeling for IEEE 802.15.6 Wearable Body Sensor Networks

Muhammad Mahtab Alam (Qatar Mobility Innovation Center, Qatar); Elyes Ben Hamida (Qatar Mobility Innovations Center (QMIC), Qatar)
pp. 298-305

ST3: Sixth International Workshop on Selected Topics in Mobile and Wireless Computing

Social Networks and Mobile Applications

Non-verbal Audio and Tactile Mobile Navigation

Andreas Komninos (University of Starthclyde, United Kingdom); Marianna Astrantzi (University of West Macedonia, Greece); Athanasios Plessas, Vassilios Stefanis and John Garofalakis (University of Patras, Greece)

pp. 314-321

Routing in Wireless Sensor Networks: An approach using Stackelberg Games

Eirini Karapistoli and Anastasios A. Economides (University of Macedonia, Greece)

pp. 322-327

Smooth Writing Card for a Messaging App

Vivencio Fuentes, Jr. (University of the Philippines Diliman, Philippines); Rowel O Atienza (University of the Philippines, Philippines)

pp. 341-347

Investigating the Android Intents and Permissions for Malware Detection

Fauzia Idrees (City University London & NUST, United Kingdom)

pp. 354-358

WI2: Wireless Communications

SINR Analysis of Cognitive Underlay Systems with Multiple Primary Transceivers in Nakagami-m Fading

Petros S. Bithas (Institute for Astronomy, Astrophysics, Space Applications and Remote Sensing, Greece); Athanasios A. Rontogiannis (National Observatory of Athens, Greece); Kostas Berberidis (University of Patras, Greece)

pp. 500-505

An Adaptive Transmission scheme for multiuser MIMO Broadcast Channel in Cognitive Radio

Chung Le (Wilhelm Leibniz University Hannover, Institute of Communications Technology, Germany); Sanam Moghaddamnia (Leibniz University of Hannover, Germany); Jürgen Peissig (Leibniz Universität Hannover, Germany)

pp. 506-512

Software Defined Framework for Multi-Cell Cognitive Radio Networks

Ahmad S Doulat, Ahmad Al Abed Al Aziz, Mahmoud Al-Ayyoub and Yaser Jararweh (Jordan University of Science and Technology, Jordan); Haythem A. Bany Salameh (Yarmouk University, Jordan); Abdallah A Khreishah (New Jersey Institute of Technology, USA)

pp. 513-518

WM2: Wireless Networking, Mobility and Nomadicity

Short-Term Link Quality Estimation for Opportunistic and Mobility Aware Routing in Wearable Body Sensors Networks

Elyes Ben Hamida (Qatar Mobility Innovations Center (QMIC), Qatar); Muhammad Mahtab Alam (Qatar Mobility Innovation Center, Qatar); Mickael Maman (CEA-Leti Minatec Campus, France); Benoit Denis (CEA-Leti Minatec, France)

pp. 519-526

Expected Delay for Topology Construction and Reconfiguration in Harvested 802.15.4 Networks

Gabriele Romaniello (University of Grenoble & STMicroelectronics, France); Olivier Alphand and Andrzej Duda (Grenoble Institute of Technology, France); Roberto Guizzetti (STMicroelectronics, France)

pp. 527-533

Routing Protocol-Independent Contact Optimization for Opportunistic Social Networks

Chen Yang and Radu Stoleru (Texas A&M University, USA)

ST4: Sixth International Workshop on Selected Topics in Mobile and Wireless Computing

QoS

Predicting mobile video inter-download times with Hidden Markov Models

Frederic Beister and Holger Karl (University of Paderborn, Germany)

pp. 359-364

QoS Concept for IEEE 802.16-2012 Based WiMAX Networks

Volker Richter, Rico Radeke and Ralf J. Lehnert (Technische Universität Dresden, Germany)

pp. 371-377

Robust Energy Harvesting Aware Clustering with Fuzzy Petri Net Reasoning Algorithm

Aya Mostafa (System Engineer, Egypt); Khaled Hassan (German University in Cairo (GUC), Egypt)

pp. 378-383

A Cross-Layer Video Multicasting Routing Protocol for Cognitive Radio Networks

Yaser Mhaidat and Mohammad A. Alsmirat (Jordan University of Science and Technology, Jordan);

Osamah S. Badarneh (University of Tabuk, Saudi Arabia); Yaser Jararweh (Jordan University of

Science and Technology, Jordan); Haythem A. Bany Salameh (Yarmouk University, Jordan)

pp. 384-389

ST5: Sixth International Workshop on Selected Topics in Mobile and Wireless Computing

Physical PH1

Cyclostationarity-based spectrum sensing properties for Signals of Opportunity

Md. Lushanur Rahman, Pedro Figueiredo e Silva and Elena Simona Lohan (Tampere University of Technology, Finland)

pp. 390-395

On an efficient equalization structure for aeronautical communications via a satellite link

Bilel Raddadi and Nathalie Thomas (University of Toulouse, France); Charly Poulliat (INP - ENSEEIHT Toulouse, France); Marie-Laure Boucheret (University of Toulouse IRIT Enseeiht, France); Benjamin Gadat (Thales Alenia Space, France)

pp. 396-401

Prediction of Spectral Regrowth for FBMC-OQAM system using Cumulants

S S Krishna Chaitanya Bulusu (Conservatoire National des Arts et Metiers, France); Hmaied Shaiek (CNAM, France); Daniel Roviras (Cnam, France)

pp. 402-406

WM3: Wireless Networking, Mobility and Nomadicity

Node-Centric Energy Balancing For Wireless Networks

Stojan Denic (Telecommunications Research Lab Toshiba, United Kingdom); Yichao Jin (Toshiba Research Europe Ltd, United Kingdom); Stefanos Vatsikas (Toshiba Research Europe, United Kingdom); Mahesh Sooriyabandara (Toshiba Research Europe Limited, United Kingdom)

pp. 542-547

Dynamic and Energy efficient Wireless BAN Platform for Remote Health Monitoring

Karel Heurtefeux and Nasreen Mohsin (Qatar Mobility Innovations Center, Qatar); Elyes Ben Hamida (Qatar Mobility Innovations Center (QMIC), Qatar); Hamid Menouar (Qatar Mobility Innovations Center, Qatar)

pp. 548-555

An Energy Balanced Dynamic Topology Control Algorithm for Improved Network Lifetime

Xiaoyu Chu and Harish Sethu (Drexel University, USA)

pp. 556-561

Achieving High Throughput and Low Delay by Accurately Regulating Link Queue Length over Mobile Data Network

Ke Liu (Chinese Academy of Sciences & Institute of Computing Technology, P.R. China); Jack Y. B. Lee (The Chinese University of Hong Kong, Hong Kong)
pp. 562-569

Keynote2: Keynote Talk 2: 5G Networks in H2020: SDN-based communication and Network Function Virtualization

Softwarization of networks is a target set by Telecom operators and Cloud service providers for the near future. The challenge is to guarantee carrier grade performance to virtualized network elements hosted on top of SDN-based cloud computing infrastructures. Network manufacturers are robustly investing on virtualization and cloud, but it is still necessary to put an effort on cloud interoperability and federation, possibly involving standardization.

This challenge calls for a redesign of services paradigms and system, and a re-thinking of architectures, interfaces, functions, access and non-access protocols and related procedures, and advanced algorithms, e.g. for identity management, establishment, maintenance and reconfiguration of ICT services and any type resource among SDN-based cloud infrastructures. A large exploitation and adoption of cloud computing, software networks and network functions and services virtualization will make the 5G infrastructure feasible and business viable.

UB2: Ubiquitous Computing, Services and Applications

A Cyber-Physical System for Continuous Monitoring of Water Distribution Systems

Mahima Suresh (Texas A&M University, USA); Usha Manohar and Anjana Gr (Indian Institute of Science, India); Radu Stoleru (Texas A&M University, USA); Mohan Kumar M S (Indian Institute of Science, India)
pp. 570-577

Up and Away: A Visually-Controlled Easy-to-Deploy Wireless UAV Cyber-Physical Testbed

Ahmed M Saeed (Georgia Institute of Technology & Carnegie Mellon University Qatar, USA); Azin Neishaboori (Qatar University & Pennsylvania State University, USA); Amr Mohamed (Qatar University & Qatar University Wireless Innovations Center, Qatar); Khaled A. Harras (Carnegie Mellon University, USA)
pp. 578-584

Local Emergency Detection Approach for Saving Energy in Wireless Body Sensor Networks

Sabrina ElGhers (Houari Boumediene Sciences University, Algeria); Abdallah Makhoul (University of Franche-Comté, France); David Laiymani (LIFC, France)
pp. 585-591

Robust Wi-Fi based Indoor Positioning with Ensemble Learning

Daisuke Taniuchi and Takuya Maekawa (Osaka University, Japan)
pp. 592-597

Differentiating Emergency Voice Traffic in Indoor Wireless Activity Monitoring Network

Alper K. Demir (Kocaeli University, Turkey); Okan Turkes (University of Twente, The Netherlands); Sebnem Baydere (Yeditepe University, Turkey)
pp. 598-603

WI3: Wireless Communications

Performance comparison of CP-OFDM and OQAM-OFDM systems based on LTE parameters

Martin Fuhrwerk and Jürgen Peissig (Leibniz Universität Hannover, Germany); Malte Schellmann (Huawei Technologies Duesseldorf GmbH, Germany)
pp. 604-610

Non-data-aided SNR Estimation for QPSK Modulation in AWGN Channel

Tara Salman (Qatar University, Qatar); Ahmed Badawy (Politecnico di Torino, Italy); Tarek M. Elfouly and Tamer Khattab (Qatar University, Qatar); Amr Mohamed (Qatar University & Qatar University Wireless Innovations Center, Qatar)

System Analysis of Relaying with Modulation Diversity

Amir Forghani (Ecole de Technologie Superieure, Canada); Georges Kaddoum (ETS Engineering School, University of Québec, Canada); Yogesh Nijsure and Francois Gagnon (Ecole de Technologie Superieure, Canada)

pp. 617-621

Fair Resource Allocation in Multiuser OFDMA Downlink with Passive Eavesdropping

Sotiris Karachontzitis (University of Patras, Greece); Stelios Timotheou and Ioannis Krikidis (University of Cyprus, Cyprus); Kostas Berberidis (University of Patras, Greece)

pp. 622-627

WM4: Wireless Networking, Mobility and Nomadicity

Multiband CSMA/CA with RTS-CTS Strategy

Baher Mawlawi (CEA - LETI, France); Jean-Baptiste Doré (CEA, France); Nikolai Lebedev (CPE Lyon / CITI Laboratory, University of Lyon, France); Jean-Marie Gorce (INSA-Lyon, France)

pp. 628-633

Resource-Constrained Medium Access Control Protocol for Wearable Devices

Lorenzo Bergamini (DIS Sapienza Universita' di Roma, Italy); Giorgio Corbellini (Disney Research Zurich, Switzerland); Stefan Mangold (Disney Research, Switzerland)

pp. 634-641

A Channel Selection Strategy for WLAN in Urban Areas by Regression Analysis

Shugo Kajita, Hirozumi Yamaguchi and Teruo Higashino (Osaka University, Japan); Shigeki Umehara, Fumiya Saitou, Hirofumi Urayama and Masaya Yamada (Sumitomo Electric Industries, LTD., Japan); Taka Maeno (Space-Time Engineering Japan, Inc., Japan); Shigeru Kaneda (Space-Time Engineering, LLC., USA); Mineo Takai (University of California, Los Angeles & Osaka University, USA)

pp. 642-647

An Investigation on Blind Rendezvous Algorithms

Hadi Gharibdoust (KULeuven, Belgium); Mostafa Pakparvar (Gent University, Belgium)

pp. 648-653

WI4: Wireless Communications

Gaussian Process for RSS-based Localisation

Manuel Aravecchia (University of Trento & Fondazione Bruno Kessler - FBK-ICT, Italy); Stefano Messelodi (Fondazione Bruno Kessler, Italy)

pp. 654-659

Implementation of a Proxy-based CMT-SCTP Scheme for Android Smartphones

Atsuo Tachibana and Yoshiaki Yoshida (KDDI R&D Laboratories, Japan); Megumi Shibuya and Teruyuki Hasegawa (KDDI R&D Laboratories Inc., Japan)

pp. 660-665

Dynamic Transmission Power Control based on Exact Sea Surface Movement Modeling in Underwater Acoustic Sensor Networks

Sungryul Kim (Pusan National University, Korea); Seongjin Park (Pusan National University of Korea, Korea); Younghwan Yoo (Pusan National University, Korea)

pp. 666-672

Packet-Loss Modelling for Multi-Radio Wireless Sensor Networks

Elham Younesian (Polytechnic University of Turin, Iran); Hussein Khaleel and Maria Teresa Delgado (Istituto Superiore Mario Boella (ISMB), Italy); Claudio Pastrone (Istituto Superiore Mario Boella, Italy); Roberto Garelo (Politecnico di Torino, Italy)

pp. 673-678

WM5: Wireless Networking, Mobility and Nomadicity

LBVS-T: a Location-Based Video Streaming Control Scheme for Trains

Chung-Ming Huang (National Cheng Kung University, Taiwan); Yuan-Tse Yu (National Kaohsiung Normal University, Taiwan); Ssu-Wei Wu (National Cheng Kung University, Taiwan)
pp. 679-684

Load-aware Hand-offs in Software Defined Wireless LANS

Anil kumar Rangiseti (IIT HYDERABAD, India); Hardik B Baldaniya (IIT Hyderabad, India); Pradeep Kumar B (Indian Institute of Technology Hyderabad, India); Bheemarjuna Reddy Tamma (IIT Hyderabad, India)
pp. 685-690

A model to evaluate MBSFN and AL-FEC techniques in a multicast video streaming service

Carlos M. Lentisco (Universidad Politécnica de Madrid, Spain); Luis Bellido (Telematic Systems Engineering Department, Technical University of Madrid (DIT-UPM), Spain); Alejandro de la Fuente (Universidad Carlos III de Madrid, Spain); Encarna Pastor (Universidad Politecnica de Madrid, Spain); Raquel Perez Leal and Ana Garcia Armada (Universidad Carlos III de Madrid, Spain)
pp. 691-696

Selective C-/U-plane Split and CoMP to Improve Moderate Speed Users Performance in Small Cell Deployments

Mohammad Joud and Mario Garcia-Lozano (Universitat Politècnica de Catalunya, Spain); Silvia Ruiz Boqué (UPC, Spain)
pp. 697-702