TECHNICAL PROGRAM: SYMPOSIUMS, SPECIAL SESSIONS, WORKSHOPS

Tuesday, September 11

Tuesday, September 11, 15:00-16:30, (BRAČ)

SYM1/I: SYMPOSIUM ON RFID TECHNOLOGIES & THE INTERNET OF THINGS.DEMONSTRATIONS SESSIONS (16:30-17:00)

Symposium organizer: Luigi Patrono, University of Salento, Italy
Symposium chair: Luigi Patrono, University of Salento, Italy

Triggering and Data Collection Framework for Sensing Application Level
Nikolaos Zarokostas, Panagiotis Dimitropoulos (Sensap SA, Greece); John Soldatos (Athens Information Technology, Greece); Georgios Stamoulis (University of Thessaly, Greece)

Design and Development of a Traceability Service for EPC-enabled Food Supply Chains
Rui Wang, Willibald Günthner (Technical University of Munich, Germany)

Performance Improvement of Multi-Antenna RFID Tags Using Limited Feedback Schemes in ISO 18000-7 Standard
Ali Eksim, Atakan Arslan (TUBITAK BİLGEM UEKAE, Turkey); Mesut Kartal (Istanbul Technical University, Turkey); Serkan Çelik (TUBITAK BİLGEM UEKAE, Turkey)

Posterior Cramer-Rao Lower Bounds of RFID Localization
Theresa Nick (TU Dortmund University, Germany); Jürgen Götze (TU Dortmund University, Germany)

Tuesday, September 11, 15:00-16:30, (VIS)

WRC/I: THE 2ND WORKSHOP ON REGULATORY CHALLENGES IN THE ELECTRONIC COMMUNICATION MARKET– INVITED SESSION

Chair: Mario Weber, Croatian Post and Electronic Communications Agency, Croatia

Regulatory Aspects of Cloud Computing
Ignac Lovrek (University of Zagreb, Croatia); Tomislav Lovric Dražen Lucic (Croatian Post and Electronic Communications Agency, Croatia)

Categorization of telecommunication services from regulatory point of view
Marin Vukovic, Dragan Jevtic (University of Zagreb, Croatia); Antun Caric, Andro Marčev (Croatian Post and Electronic Communications Agency, Croatia)

Measures for preventive Consumer protection in electronic communications
Marina Ljubić Karanović, Gordana Kulišić, Mario Weber (Croatian Post and Electronic Communications Agency, Croatia)

Introducing fixed-mobile number portability - Croatian case
Željka Kardum Ban (Croatian Post and Electronic Communication Agency, Croatia); Gordan Jezic (University of Zagreb, Croatia)

Business Case Assessments of Fixed and Mobile Broadband Access Networks Deployments
Drago Zagar, Visnja Krizanovic, Kresimir Grgic (J. J. Strossmayer University of Osijek, Croatia)

Tuesday, September 11, 17:00-18:30, (BRAČ)

SYM1/II: SYMPOSIUM ON RFID TECHNOLOGIES & THE INTERNET OF THINGS DEMONSTRATIONS SESSIONS (18:30-19:00)

Symposium organizer: Luigi Patrono, University of Salento, Italy
Symposium chair: Luigi Patrono, University of Salento, Italy

WSN and RFID Integrated Solution for Advanced Safety Systems in Industrial Plants
Cosimo Salvatore, Stefano Bocchino (Scuola Superiore Santa Anna, Italy); Matteo Petracca (Consorzio Nazionale Interuniversitario per le Telecomunicazioni, Italy); Riccardo Pelliccia, Marco Ghibaudi (Scuola Scuola Superiore Sant'Anna, Italy); Paolo Pagano (Consorzio Nazionale Interuniversitario per le Telecomunicazioni, Italy)

A Universal Platform for Green RFID Applications Development
Riad Kanan, Darko Petrovic, Ludovic Chappot (University of Applied Sciences, Switzerland)

The Performance Bounds of RFID Protocols In Wireless Channel for ISO 18000-3 Standard
Atakan Arslan (TUBITAK BİLGEM UEKAE, Turkey); Mesut Kartal (Istanbul Technical University, Turkey); Serkan Çelik (TUBITAK BİLGEM UEKAE, Turkey)

Implementation and validation of an energy-efficient MAC scheduler for WSNs by a test bed approach
Daniele Alessandrelli (Scuola Superiore Sant'Anna, Italy); Luca Mainetti, Luigi Patrono (University of Salento, Italy); Giovanni Pellerano (Scuola Superiore Sant'Anna, Italy); Matteo Petracca (Consorzio Nazionale Interuniversitario per le Telecomunicazioni, Italy); Maria Laura Stefanizzi (University of Salento, Italy)

Performance analysis of the Slot Counter algorithm in comparison with the real performance of a commercial RFID reader supporting the EPC Class 1 Generation 2 protocol
Hugo Landaluce, Asier Perallos, Ignacio J. García Zuazola Ignacio Angulo (University of Deusto, Spain)

Tuesday, September 11, 17:00-18:30, (VIS)

WRC/II: THE 2ND WORKSHOP ON REGULATORY CHALLENGES IN THE ELECTRONIC COMMUNICATION MARKET– INVITED SESSION

Chair: Gordan Jezic, University of Zagreb, Croatia

IPv6 Deployment and Transition Plans in Croatia: Evaluation Results and Analysis
Ognjen Dobrijevic (University of Zagreb, Croatia); Velimir Svedek (Croatian Post and Electronic Communications Agency, Croatia); Maja Matijasevic (University of Zagreb, Croatia)

Current Approach to Preserving the Open and Neutral Character of the Internet in Croatia
Zdravko Jukic (University of Zagreb, Croatia & Croatian Post and Electronic Communications Agency, Croatia); Anita Budimir, Mario Weber (Croatian Post and Electronic Communications Agency, Croatia)

Bringing broadband to all: Broadband USO in Croatia
Ivana Dražić Lutilsky (University of Zagreb, Croatia); Pero Previšić (Croatian Post and Electronic Communications Agency, Croatia)

Radiofrequency Spectrum Public Auctions in the Republic of Croatia
Marijan Globan, Ivančica Sakal (Croatian Post and Electronic Communications Agency, Croatia)

An experimental analysis of Simultaneous Multiple Round Auction formats and Combinatorial Clock Auction formats
Lina Damic, Nenad Peteh, Ana Petric, Gordan Jezic (University of Zagreb, Croatia)

Wednesday, September 12

Wednesday, September 12, 8:30-11:00, (BRAČ)

SYM1/III: SYMPOSIUM ON RFID TECHNOLOGIES & THE INTERNET OF THINGS DEMONSTRATIONS SESSIONS (10:00-10:30)

Symposium organizer: Luigi Patrono, University of Salento, Italy
Symposium chair: Luigi Patrono, University of Salento, Italy

A Secure and Private RFID Authentication Protocol Based on Quadratic Residue
Süleyman Kardaş, Serkan Çelik, Mehmet Sariyüce (TUBITAK BILGEM, Turkey); Albert Levi (Sabanci University, Turkey)

Designing EPCIS through Linked Data and REST principles
Stefano Turchi, Lucia Ciofi (University of Firenze, Italy); Federica Paganelli (National Inter-University Consortium for Telecommunications & Research Unit of Firenze, Italy); Franco Pirri (University of Firenze, Italy); Dino Giuli (University of Firenze, Italy)

IDA-Pay: an innovative micro-payment system based on NFC technology for Android mobile devices
Luca Mainetti, Luigi Patrono, Roberto Vergallo (University of Salento, Italy)

Secure Document and Asset Tracking
Heinz Lugo, Diana M Segura Velandia, Paul Conway, Axel Bindel, Andrew West (Loughborough University, United Kingdom)

An Innovative Animals Tracking System based on Passive UHF RFID Technology
Luca Catarinucci, Riccardo Colella, Luca Mainetti, Vincenzo Mighali, Luigi Patrono, Ilaria Sergi, Luciano Tarricone (University of Salento, Italy)

Wednesday, September 12, 8:30-10:00, (HVAR)

SYM2/I: SYMPOSIUM ON ENVIRONMENTAL ELECTROMAGNETIC COMPATIBILITY (EEMC) I

Symposium organizers: Dragan Poljak, Vesna Roje, University of Split
Symposium co-chairs: Dragan Poljak, Vesna Roje, University of Split

Vertical Dipole above a PEC Ground Representing a Part of a PLC System - Numerical versus Analytical Study
Dragan Poljak, Vicko Doric (University of Split, Croatia); Khalil El Khamlichi Drissi (Universite Blaise Pascal & LASMEA Laboratory, France); Mohamed Chaaban, (Université Blaise Pascal, France); Chloe Garrec (Lebanese University Institute, Lebanon)

EMC in Electronic System Developed to Support Measurements in Space Environment
Davor Mance (ETH Zürich, Institute of Geophysics, Switzerland); Jadranka Marasovic (University of Split, Croatia);

Optimal Design for a Class of Spherical Helical Antennas Applied in Wireless Transmission of Energy by Resonant Coupling
Zoran Blažević, Maja Škiljo (University of Split, Croatia)

Radiation pattern and impedance of a quarter wavelength monopole antenna above a finite ground plane
Zlatko Zivkovic, Damir Senic (University of Split, Croatia); Christof Bodendorf (Federal Office for Radiation Protection, Germany); Jacek Skrzypczynski (Wroclaw University of Technology & Thales Nederlands, Poland); Antonio Sarolic (University of Split, Croatia)

Influence of the Grounding Electrode Conductivity on the Induced Transient Current
Silvestar Sesnic, Dragan Poljak (University of Split, Croatia)

Wednesday, September 12, 8:30-10:00, (VIS)

WRC/III: THE 2ND WORKSHOP ON REGULATORY CHALLENGES IN THE ELECTRONIC COMMUNICATION MARKET– INVITED SESSION

Chair: Drago Zagar, J.J. Strossmayer University of Osijek, Croatia

Market, Standardization, and Regulation Development in Machine-to-Machine Communications
Damjan Katusic (University of Zagreb, Croatia); Mario Weber (Croatian Post and Electronic Communications Agency, Croatia); Iva Bojic, Gordan Jezic, Mario Kusek (University of Zagreb, Croatia)

Device Connection Platform for M2M Communication
Vanesa Čačković, Željko Popović (Ericsson Nikola Tesla, Croatia)

Protection of Data Relating to EU Consumers in the IoT Age
Nina Gumzej (University of Zagreb, Croatia)

Introduction of Light Licensing Regime in Republic of Croatia
Krunoslav Bejuk, Ana Katalinic Mucalo (Croatian Post and Electronic Communications Agency, Croatia)

Wednesday, September 12, 16:30-17:30, (BRAČ)

SS1: SPECIAL SESSION ON GREEN NETWORKING AND COMPUTING

Special session organizers: Antonio Capone, Politecnico di Milano, Josip Lorincz, University of Split, Croatia
Special session chair: Josip Lorincz, University of Split, Croatia

On the Effectiveness of Sleep Modes in Backbone Networks with Limited Configurations
Luca Chiaraviglio (Politecnico di Torino, Italy); Antonio Cianfrani (University of Roma "La Sapienza", Italy)

Green Polymorphic Approach for Service Quality
Fawaz AL-Hazemi (Korea Advanced Institute of Science and Technology, Korea)

Green Traffic Engineering for Future Core Networks
George Athanasiou, Carlo Fischione (KTH Royal Institute of Technology, Sweden)

Circuit Switching and Time-domain Optical Sub-wavelength Switching Technologies: Evaluations on the Power Consumption
Edoardo Bonetto (Politecnico di Torino, Italy); Ahmed Triki, Esther Le Rouzic, Bernard Arzur, Paulette Gavignet (Orange Labs, Networks and Carriers, France)

Introducing Fairness in Cooperation among Green Mobile Network Operators
Leonardo Militano, Antonella Molinaro, Antonio Iera (University Mediterranea of Reggio Calabria, Italy); Ármin Petkovics (Budapest University of Technology and Economics, Hungary)

Bit per Joule and Area Energy-efficiency of Heterogeneous Macro Base Station Sites
Josip Lorincz, Nikola Dimitrov, Toncica Matijevic (University of Split, Croatia)

Wednesday, September 12, 16:00-17:30, (VIS)

SS2: SPECIAL SESSION ON AD-HOC AND SENSOR NETWORKS

Special session organizer: Joel Rodrigues, University of Beira Interior, Portugal
Special session chair: Julije Ozegovic, University of Split, Croatia

An Enhanced Broadcasting Scheme for IEEE 802.11p according to Lane Traffic Density
Jhihoon Joo, Rinara Woo, Dong Seog Han (Kyungpook National University, Korea)

Seamless Interconnection of WSN and Internet
Kemal Serdaroglu (Yeditepe University & Institute of Natural Sciences, Turkey); Sebnem Baydere (Yeditepe University, Turkey)

Adaptive Routing for Multihop IEEE 802.15.6 Wireless Body Area Networks
Antonio M. Ortiz (Letterkenny Institute of Technology, Ireland); Nedal Ababneh (Letterkenny Institute of Technology, Ireland & University of Bahrain, Kingdom of Bahrain); Nicholas Timmons, Jim Morrison (Letterkennt Insitute of Technology, Ireland)

New Velocity Aware Probabilistic Route Discovery Schemes for Mobile Ad hoc Networks
Mustafa Bani Khalaf, Ahmed Y Al-Dubai (Edinburgh Napier University, United Kingdom); Mourad Abed (Université de Valenciennes, France)

User Selective Relaying in Multiple Access Relay Channels
Özgür Özdemir (Selcuk University, Turkey)

Wednesday, September 12, 16:00-17:30, (HVAR)

SYM2/II: SYMPOSIUM ON ENVIRONMENTAL ELECTROMAGNETIC COMPATIBILITY (EEMC) II

Symposium organizers: Dragan Poljak, Vesna Roje, University of Split
Symposium co-chairs: Dragan Poljak, Vesna Roje, University of Split

Design considerations of portable smartphone charging device
Tae-Seon Kim, Soo-Won Kim (Korea University, Korea)

Hybrid BEM/FEM Edge Element Computation of the Thermal Rise in The 3D Model of The Human Eye Induced By High Frequency EM Waves
Hrvoje Dodig (Wessex Institute of Technology, United Kingdom); Dragan Poljak, (University of Split, Croatia); , Andres Peratta (Wessex Institute of Technology, United Kingdom)

TM Plane Wave Coupling to Wire Conductors Above Homogeneous Soil: Comparison Between Complex Image and Transmission Line Approach
Vesna Arnautovski-Toseva (University Blaise Pascal, France); Khalil El Khamlichi Drissi (Universite Blaise Pascal & LASMEA Laboratory, France); Claire Faure, Christophe Pasquier (Université Blaise Pascal, France); Kamal Kerroum (University of Clermont Ferrand, France)

Electromagnetic field estimation using modified transmission line models of lightning strokes
Vesna Javor (University of Nis, Serbia)

Assessment of SAR in the Human Body Exposed to an RFID Loop Antenna
Ivana Zulim, Damir Senic, Dragan Poljak, Antonio Sarolic (University of Split, Croatia)

Thursday, September 13, 8:30-9:45, (HVAR)

SS3: SPECIAL SESSION ON QoS IN WIRED AND WIRELESS NETWORKS

Special session organizer: Pascal Lorenz, University of Haute Alsace, France
Special session chair: Pascal Lorenz, University of Haute Alsace, France

Evaluation of Selective Aggregated Session CAC for QoS provisioning in All-Optical Networks
Andris Skrastiņš, Jans Jeļinskis, Gunārs Lauks (Riga Technical University, Latvia)

P2P-Based Mobility Management Protocol for Global Seamless Handover in Heterogeneous Wireless Networks
Jong Tae Park, Seung-Mu Lee, Seung-Man Chun (Kyungpook National University, Korea)

Spectrum Sharing with Adjacent Channel Constraints
Nicholas Misiunas (University of Massachusetts Lowell, USA); Miroslava Raspopovic (University of Massachusetts Lowell, USA and Belgrade Metropolitan University, Serbia); Charles Thompson, Kavitha Chandra (University of Massachusetts Lowell, USA)

A Spectrum Sensing and Transmission Model for Secondary Users in Cognitive Radios
Pratik Gandhi, Ibrahim Alshawabkeh, Kavitha Chandra, Charles Thompson (University of Massachusetts Lowell, USA)

Thursday, September 13, 8:30-9:45, (VIS)

SS4: SPECIAL SESSION ON LOCALIZATION AND WIRELESS CONTEXT-AWARENESS

Special session organizer: Igor Arambasic, Politechnical University of Madrid, UPM, Spain
Special session chair: Igor Arambasic, Politechnical University of Madrid, UPM, Spain

Comparison of Links Selection Criteria for Mobile Terminal Positioning in Cooperative Heterogeneous Networks
Soumaya Zirari, Benoit Denis (CEA-Leti Minatec, France)

Evaluation of a Geometric Positioning Algorithm for Hybrid Wireless Networks
Nicolas Amiot, Mohamed Laaraiedh, Bernard Uguen (University of Rennes I, France)

Self-Positioning and mapping of rectangular rooms with sectorized narrowband antennas
Igor Arambasic (Politechnical University of Madrid, UPM, Spain); Marios Raspopoulos (Sigint Solutions Ltd, Cyprus); Javier Casajús Quiros, Ivana Raos (Univeridad Politecnica de Madrid, Spain); Stavros Stavrou (Open University of Cyprus, Cyprus)

TECHNICAL PROGRAM: GENERAL CONFERENCE

Tuesday, September 11

Tuesday, September 11, 8:30-10:00, (BRAČ)

S1: COMMUNICATION THEORY

Chair: Giovanni Cancellieri, Università Politecnica delle Marche, Italy

On low-complexity linear channel estimation and frequency-domain equalization in SC-FDMA
Darko Sinanovic, Gordan Sisul, Borivoj Modlic (University of Zagreb, Croatia)

Post-Combiner For Interference Cancellation Algorithm
Rabah Maoudj, Michel Terré (CNAM, France)

On the generator matrix of array LDPC codes
Marco Baldi, Marco Bianchi, Giovanni Cancellieri, Franco Chiaraluce (Università Politecnica delle Marche, Italy); Torleiv Kløve (University of Bergen, Norway)

Tuesday, September 11, 8:30-10:00, (HVAR)

S2: DIGITAL VIDEO BROADCASTING

Chair: Vladan Papic, University of Split, Croatia

Fast Intra Mode Decision For HEVC Video Encoder
Ajit Singh Motra, Ankuj Gupta, Mahesh Shukla, Pankaj Bansal, Vijay Bansal (STMicroelectronics India Private Limited, India)

VP8 Encoder - Cost Effective Implementation
Pankaj Kumar Bansal, Vijay Bansal, Mahesh Narain Shukla, Ajit Singh Motra (ST Microelectronics India Private Limited, India)

Impact of the IEEE 802.11n Frame Aggregation Mechanisms on Video Streaming Quality
Gonçalo Barreira (ISEL, Portugal); João Ascenso (ISEL & IT, Portugal)

VBR video frame size prediction using seasonal ARIMA models
Goran Trlin (University of Split, Croatia)

Tuesday, September 11, 8:30-10:00, (VIS)

S3: COMMUNICATIONS SOFTWARE I

Chair: Zoran Skocir, University of Zagreb, Croatia

Concept, Development and Implementation of FER e-Invoice System
Luka Humski, Boris Vrdoljak, Zoran Skocir (University of Zagreb, Croatia)

Providing Knowledge Collaboration Service based on Open Service Platform
Youngmee Shin, Hyunjoo Bae (Electronics and Telecommunications Research Institue, Korea)

How to Calculate Trust between Social Network Users?
Vedran Podobnik, Darko Striga, Ana Jandras, Ignac Lovrek (University of Zagreb, Croatia)

Design and implementation of a hierarchical SIP-based peer-to-peer network
Óscar Bravo, Antonio Costa, Maria João Nicolau (Universidade do Minho, Portugal)

Open Source Centralized Management for Video Surveillance Data
Chiara Taddia (University of Ferrara, Italy); Gianluca Mazzini (University of Ferrara and LepidaSpA, Italy)

Tuesday, September 11, 10:30-12:00, (BRAČ)

S4: CONSUMER COMMUNICATIONS TECHNOLOGIES

Chair: Elisa Benetti LepidaSpA, Italy

Open Source Management for Multimedia Contents
Elisa Benetti (LepidaSpA, Italy); Daniele Migliorini (University of Pisa, Italy); Gianluca Mazzini (University of Ferrara and LepidaSpA, Italy)

Improving distributed traffic generation performance by using IMUNES network emulator
Valter Vasic, Mirko Suznjevic, Miljenko Mikuc, Maja Matijasevic (University of Zagreb, Croatia)

PCR Jitter Control Based on a Semaphore-Controlled Counter
Heitor J. Savino (Universidade Federal do Amazonas - UFAM, Brazil); Eddie B. L. Filho (Centro de Ciência, Tecnologia e Inovação do Pólo Industrial de Manaus - CTPIM, Brazil)

Follow me! - A Rich Presence Application for Smartphones
Aleksandar Antonic, Ivan Slivar, Ivana Podnar Zarko (University of Zagreb, Croatia)

Tuesday, September 11, 10:30-12:00, (HVAR)

S5: MOBILE AND WIRELESS COMMUNICATIONS I

Chair: Zoran Blazevic, University of Split, Croatia

Energy Efficiency using Beamforming at the Base Station in UMTS and LTE
Tiago Gonçalves, Luis M. Correia (Technical University of Lisbon, Portugal); Filipe D. Cardoso (Polytechnic Institute of Setubal, Portugal)

MIMO Strategies for Energy Efficient Transmission in LTE Pico-cell Environments
Filipe D. Cardoso (Polytechnic Institute of Setubal, Portugal); Rodolfo Torrea-Duran, Claude Desset (IMEC, Belgium); Luis M. Correia (Technical University Lisbon, Portugal)

A PPAM technique for energy efficient UWB sensor Body Area Networks
Giovanni Pelliccioni, Fabrizio Borioni, Ennio Gambi (Università Politecnica delle Marche, Italy); Susanna Spinsante (Università Politecnica delle Marche & ArieLAB Srl, Italy)

Video Streaming Over Multi-Radio Access Networks: An Access Aggregation Approach
Nuno Novo (Universidade do Porto, Portugal); Álvaro Gomes, Pedro Miguel Neves (Portugal Telecom Inovação,

Portugal); Manuel Ricardo, Jose M Oliveira (Universidade do Porto, Portugal)

A Game Theoretic Approach to Power Trading in Cognitive Radio Systems
Mahmoud Khasawneh, Anjali Agarwal (Concordia University, Canada); Nishith Goel, Marzia Zaman (Cistel Technology Inc., Canada); Saed Alrabaee (Concordia University, Canada)

Tuesday, September 11, 10:30-12:00, (VIS)

S6: COMMUNICATIONS SOFTWARE II

Chair: Gorazd Kandus, Jozef Stefan Institute, Slovenia

HAVENS: A Highly Accessible Vehicular Network Simulation framework
Rakan Nimer, Hassan A. Artail (American University of Beirut, Lebanon)

Low-Cost Frequency-Stable Beacon Receiver Based on Software Defined Radio
Urban Kuhar, Gorazd Kandus, Andrej Vilhar (Jozef Stefan Institute, Slovenia)

Online monitoring and diagnosis of RFID readers and tags
Rafik Kheddam, Oum-El-Kheir Aktouf, Ioannis Parissis (Grenoble INP - LCIS, France)

Securing Anycast Communications in IPv6 Networks by means of IPSec
João Veiga, Antonio D. Costa, Alexandre Santos (University of Minho, Portugal)

Conversational Quality as a Function of Delay and Interactivity
Jochen Issing (University of Erlangen, Germany); Nikolaus Färber (Fraunhofer IIS, Germany)

Tuesday, September 11, 15:00-16:30, (HVAR)

S7: MOBILE AND WIRELESS COMMUNICATIONS II

Chair: Hrvoje Dujmic,University of Split, Croatia

Outage Probability Analysis of a Multi-Path Cooperative Communication Scheme Based on Single Relay Selection and Amplify-and-Forward Relaying
Usama Mannai, Masoud Eddaghel, Fathi Bribesh, Jonathon A Chambers (Loughborough University, United Kingdom)

Second Order Statistics for SSC Receiver Over α-μ Fading Channels
Petar Nikolic (Tigar Tyres, Serbia); Dragana Krstic (University of Niš, Serbia); Goran Stamenovic (Tigar, Serbia); Dejan Rancic (University of Nis, Serbia)

Outdated Interference Alignment based Transmit Precoding for MU-MIMO
Danish Aziz, Andreas Weber (Bell Labs, Alcatel-Lucent Germany)

Outage Probability For Four Relay Selection In Wireless Relay Networks
Mustafa A Manna, Gaojie Chen, Jonathon A Chambers (Loughborough University, United Kingdom)

Crest Factor Reduction for Carrier Aggregated OFDM Systems
Gauraw Kumar Srivastava, Naresh Kumar Tadkapalli (Centre for Development of Telematics, India)

Collision Rate Adaptive Binary Priority Countdown Protocol
Ivan Kedzo, Julije Ozegovic, Ante Kristic (University of Split, Croatia)

Tuesday, September 11, 17:00-18:30, (HVAR)

S8: MOBILE AND WIRELESS COMMUNICATIONS III

Chair: Vedran Podobnik, University of Zagreb, Croatia

A slotted Aloha based Random Access Cognitive Radio Network and its Performance Evaluation
Muhammed Enes Bayrakdar, Sedat Atmaca, Alper Karahan (University of Kocaeli, Turkey)

Hybrid Content Forwarding Technique for Bluetooth Communication Environment
Sardar Kashif Ashraf Khan (Mirpur University of Science and Technology, Pakistan); Jonathan Loo, Muhammad Awais Azam (Middlesex University, United Kingdom); Humaira Sardar (Fatima Jinnah Women University, Pakistan); Muhammad Adeel, Laurissa N Tokarchuk (Queen Mary University of London, United Kingdom)

An Optimization-based Approach for Passenger to Shared Taxi Allocation
Hadi El Hosni, Nourhan Farhat, Rakan Nimer, Nour Alawieh, Chadi El Masri, Mark Saroufim, Hassan Artail, Joe Naoum-Sawaya (American University of Beirut, Lebanon)

Enhanced Lobby Influence: Knowledge based content forwarding algorithm for opportunistic communication networks
Sardar Kashif Ashraf Khan (Mirpur University of Science and Technology, Pakistan); Jonathan Loo, Muhammad Azam (Middlesex University, United Kingdom); Humaira Sardar (Fatima Jinnah Women University, Pakistan); Muhammad Adeel, Laurissa Tokarchuk (Queen Mary University of London, United Kingdom)

Thursday, September 13

Thursday, September 13, 8:30-9:45, (BRAČ)

S9: QOS AND RESOURCE MANAGEMENT

Chair: Riccardo Lancellotti, University of Modena and Reggio Emilia, Italy

Loss Ratio Simulation Method of MMPP/D/1/K Using Statistical Techniques
Kan Toyoshima (NTT, Japan)

Online SOA Chain Performance Monitoring In Mixed Environments
Goran Trlin, Ivan Zoraja (University of Split, Croatia)

Automated clustering of VMs for scalable cloud monitoring and management
Claudia Canali, Riccardo Lancellotti (University of Modena and Reggio Emilia, Italy)

Adaptive Algorithm for WTFC to TCP Flow Control Proxy
Vesna Pekic, Julije Ozegovic, Ivan Kedzo (University of Split, Croatia)

Towards QoE-driven Multimedia Service Negotiation and Path Optimization with Software Defined Networking
Andreas J. Kassler (Karlstad University, Sweden); Lea Skorin-Kapov (University of Zagreb, Croatia); Ognjen Dobrijevic, Maja Matijasevic (University of Zagreb, Croatia); Peter Dely (Karlstad University, Sweden)

Thursday, September 13, 10:00-11:30, (BRAČ)

S10: SIGNAL PROCESSING AND CODING

Chair: Mirjana Bonkovic, University of Split, Croatia

A Weighted Zero-Attracting Leaky-LMS Algorithm
Mohammad Shukri Salman (Mevlana University, Turkey); Mohammad Naser Sabet Jahromi, Aykut Hocanin, Osman Kukrer (Eastern Mediterranean University, Turkey)

PIC detector with coded distributed closed-loop EO-STBC under imperfect synchronization
Abdulghani M Elazreg, Walid Qaja, Jonathon A Chambers (Loughborough University, United Kingdom)

Neural network as edge detector
Niksa Antisic (Siemens, Croatia); Mirjana Bonkovic, Barbara Dzaja (University of Split, Croatia)

The Design of Sum-of-Sinusoids Channel Simulators Using the Iterative Nonlinear Least Square Approximation Method
Akmal Fayziyev, Matthias Pätzold (University of Agder, Norway)

Feature Weighted Nearest Neighbour Classification for Accelerometer-Based Gesture Recognition
Tea Marasovic, Vladan Papic (University of Split, Croatia)

Thursday, September 13, 10:00-11:30, (BRAČ)

S11: NETWORK OPERATIONS AND MANAGEMENT

Chair: Maja Stella, University of Split, Croatia

Virtual Lab: a concrete experience in building multi-purpose virtualized labs for Computer Science Education
Aniello Castiglione, Giuseppe Cattaneo, Luigi Catuogno (Universita' degli Studi di Salerno, Italy); Ezio Cerrelli (Dell Italia S.p.A., Italy); Carlo Di Giampaolo, Fulvio Marino (Universita' degli Studi di Salerno, Italy); Rodolfo Rotondo (VMware Italy S.p.A., Italy)

Network Performance Evaluation of Latest Windows Operating Systems
Josip Balen, Goran Martinovic, Zeljko Hocenski (Josip Juraj Strossmayer University of Osijek, Croatia);

Efficient implementation of packet pre-filtering for scalable analysis of IP traffic on high-speed lines
Paolo Lambruschini, Marco Raggio, Rajiv Bajpai, Abishek Sharma (University of Genoa, Italy)

WiFed: the Federated Wireless with Georeferenced Walled Garden
Elisa Benetti (LepidaSpA, Italy); Andrea Odorizzi, Chiara Taddia (University of Ferrara, Italy); Gianluca Mazzini (University of Ferrara and LepidaSpA, Italy)

An Open Testbed for Diameter Network

Tran Quang Thanh (Tehnical University Berlin, Germany); Yacine Rebahi (Fraunhofer Institute Fokus, Germany); Thomas Magedanz (Tehnical University Berlin, Germany & Fraunhofer Institute FOKUS, Germany)

Performance Analysis of Routing Protocols for Vehicular Delay-Tolerant Networks
Vasco N. G. J. Soares (Polytechnic Institute of Castelo Branco, Potugal &, University of Beira Interior, Portugal); Joel J. P. C. Rodrigues, João Dias, João Isento (University of Beira Interior, Portugal)

Tuesday, September 11

Tuesday, September 11, 8:30-10:00, (KORČULA)

WICT/I – WORKSHOP ON INFORMATION AND COMMUNICATION TECHNOLOGIES I

Chair: Milutin Kapov, University of Split, Croatia

SMP optimizations on video decoders for power & performances
Vijay Kumar Bansal, Mahesh Narain Shukla (ST Microelectronics India Pvt Ltd, India)

Self-management Model for Wireless Mesh Networks Management
Hrvoje Tkalcic (Croatia Airlines Ltd, Croatia)

QoS-CRNSM: QoS Routing Algorithm for Cognitive Radio Network Based on Spectrum Management
Saed Alrabaee, Anjali Agarwal (Concordia University, Canada); Nishith Goel, Marzia Zaman (Cistel Technology Inc., Canada); Mahmoud Khasawneh (Concordia University, Canada)

Tuesday, September 11, 15:00-16:30, (KORČULA)

WICT/II – WORKSHOP ON INFORMATION AND COMMUNICATION TECHNOLOGIES II

Chair: Milutin Kapov, University of Split, Croatia

Bit Error Rate Tester for a digital baseband communication system using an AWGN channel emulator
Francesca Vatta, Antonio Boscolo, Emanuele Viviani, Daniele Salvalaggio (University of Trieste, Italy)

Potrebne pojasne širine i optimalna konfiguracija elemenata VoIP sustava pozivnog centra s obzirom na kašnjenje i kvalitetu reproduciranog govora
Toni Marić, Zeljko Ostojic, Josip Sliskovic (HT Mostar, Bosnia and Herzegovina)

An Overview on Uplink Scheduling In WiMAX Networks
Rihab Maâloul, Ahlem Saddoud, Lamia Chaari, Lotfi Kamoun (SFAX University, Tunisia)

Thursday, September 13

Thursday, September 13, 8:30-9:45, (KORČULA)

WICT/III – WORKSHOP ON INFORMATION AND COMMUNICATION TECHNOLOGIES III

Chair: Joisp Lorinz, University of Split, Croatia

The Integration of Ontologies and RFID NFC in Healthcare
Peter Darcy, Sebastian Binnewies, Bela Stantic (Griffith University, Australia)

A Federal Register For Telecommunications Infrastructures
Stefania Nanni (Lepida SpA, Italy); Gianluca Mazzini (University of Ferrara and LepidaSpA, Italy)

Technology Acceptance: Why is so Important to Understand?
Nikola Marangunic, Andrina Granic (University of Split, Croatia)

Stamp classification using OpenSURF, Bag of Words and Support Vector Machines
Pjero Petej (University of Split & Financial Agency (FINA), Croatia)

A survey of security proposals and issues in wireless body area networks for healthcare applications
Hadda Ben Elhadj, Nourchene Bradai, Lamia Chaari, Lotfi Kamoun (University of SFAX, Tunisia)