TECHNICAL PROGRAM: SYMPOSIUMS, SPECIAL SESSIONS, WORKSHOPS

Thursday, September 15, 14:00-15:30, (GRAND BALLROOM 1)

SYM1/I: SYMPOSIUM ON RFID TECHNOLOGIES & THE INTERNET OF THINGS (DEMONSTRATIONS SESSIONS)

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

RFID Tag Readability around White Wine Bottles
Isabel Exposito, Iñigo Cuiñas (University of Vigo, Spain)

Towards RFID Traceability Systems of Farmed Fish Supply Chain
Mira Trebar, Andrej Grah (University of Ljubljana, Slovenia); Alejandro Alvarez-Melcon, Alfredo Parreño (Technical University of Cartagena, Spain);

RFID and WSNs for Traceability of Agricultural Goods from Farm to Fork: Electromagnetic and Deployment Aspects on Wine Test-Cases
Luca Catarinucci (University of Salento, Italy); Iñigo Cuiñas, Isabel Exposito (University of Vigo, Spain); Riccardo Colella (University of Salento, Italy); Jose Antonio Gay Fernandez (University of Vigo, Spain); Luciano Tarricone (University of Salento, Italy)

Evolution of Wireless Sensor Networks towards the Internet of Things: a Survey
Luca Mainetti, Luigi Patrono (University of Salento, Italy); Antonio Vilei (STMicroelectronics, Italy)

Path Following for Indoor Robots with RFID Received Signal Strength
Ran Liu, Philipp Vorst, Artur Koch, Andreas Zell (University of Tuebingen, Germany)

Thursday, September 15, 16:00-17:30, (GRAND BALLROOM 1)

SYM1/II: SYMPOSIUM ON RFID TECHNOLOGIES & THE INTERNET OF THINGS

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

Towards a framework for evaluating the benefits of RFID adoption in supply chains
Luca Cremona, Matteo Della Bordella (Università Carlo Cattaneo - LIUC, Italy); Luca Mainetti (University of Salento, Italy); Luca Mari (Università Cattaneo - LIUC, Italy); Luigi Patrono (University of Salento, Italy); Aurelio Ravarini (Università Carlo Cattaneo - LIUC, Italy)

Lightweight Matrix-based Authentication Protocol for RFID
Vinod Ramachandra, Md. Musfiq Rahman, Srinivas Sampalli (Dalhousie University, Canada)

On the Weakness of Contactless System under Relay Attacks
Pierre-Henri Thevenon, Olivier Savry (CEA, LETI, Minatec France); Smail Tedjini (LCIS Lab, Grenoble INP, France)

Minimization of energy consumption in passive HF contactless and RFID systems
Pierre-Henri Thevenon, Olivier Savry (CEA, France); Smail Tedjini (Grenoble-inp, France)

Design and Development of a Social Shopping Experience in the IoT domain: the ShopLovers solution
Ugo Biader Ceipidor, Carlo Maria Medaglia, Valentina Volpi, Alice Moroni, Serena Sposato, Manuele Tamburrano, (Sapienza University of Rome, Italy)

Friday, September 16, 8:30-11:00, (GRAND BALLROOM 2)

WECR: WORKSHOP ON THE ELECTRONIC COMMUNICATIONS REGULATORY CHALLENGES - EXPERIENCES FROM THE LOOKING TO THE FUTURE PROJECT

Chair: Antun Caric, Croatian Agency for Post and Electronic Communications, Croatia

Broadband Ecosystem for Rural Areas in the Republic of Croatia
Antun Caric (Croatian Agency for Post and Electronic Communications, Croatia); Danijel Mileta (Ministry of the Sea, Transport and Infrastructure, Croatia); Josip Sajnovic (Croatian Post and Electronic Communications Agency, Croatia)

Next Generation Network and Regulatory Challenges
Ignac Lovrek (University of Zagreb, Croatia); Drazen Lucic, Gasper Gacina (Croatian Post and Electronic Communications Agency, Croatia)

Workshop: The Electronic Communications Regulatory Challenges - Experiences from the Looking to the Future Project Croatian approach to Digital Dividend
Ivancica Sakal, Zeljko Tabakovic (Croatian Post and Electronic Communications Agency, Croatia); Sonja Grgic, Dijana Tralic (University of Zagreb, Croatia)

Overview of Looking to the Future Project
Mario Weber (Croatian Post and Electronic Communications Agency, Croatia); Gordan Jezic (University of Zagreb, Croatia); Miljenko Krvisek (Croatian Post and Electronic Communications Agency, Croatia)

Findings of the Public Consultation on Network Neutrality in Croatia: Report and Analysis
Zdravko Jukic, Mario Weber (Croatian Post and Electronic Communications Agency, Croatia); Maja Matijasevic (University of Zagreb, Croatia)

Next Generation Access and Investment issues
Ivana Drazic Lutilsky (University of Zagreb, Croatia); Domagoj Jurjevic (HAKOM, Croatia); Marina Ivic (University of Zagreb, Croatia)

Towards Assessment of IPv6 Readiness, Deployment and Transition Plans in Croatia
Velimir Svedek (Croatian Post and Electronic Communications Agency, Croatia); Ognjen Dobrijevic, Maja Matijasevic (University of Zagreb, Croatia); Ivana Golub, Tomislav Stivojevic (CARNet, Croatia)

Friday, September 16, 9:00-10:30, (GRAND BALLROOM 1)

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

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

Experimental Validation of Wireless Localization Techniques in IEEE802.15.4 Networks
Besem Abid, Matteo Petracca, Paolo Pagano, Stefano Bocchino, Daniele Alessandrelli (Scuola Superiore Sant'Anna, Italy)

Event-based Location Detection
Johannes Westhuis, Jürgen Dunkel, Ralf Bruns (Hanover University of Applied Sciences and Arts, Germany)

Signal Modeling and Processing for Physiological Sensing through UWB Radars
Marco Baldi, Franco Chiaraluce, Matteo Moretti, Francesco Venieri, Blerina Zanaj (Università Politecnica delle Marche, Italy)

0.469 PDFSA protocol for RFID Arbitration
Luca Barletta, Flaminio Borgonovo, Matteo Cesana (Politecnico di Milano, Italy)

SystemC Modeling of RFID Systems for Robustness Analysis
Gilles Fritz (Grenoble INP - LCIS, France); Vincent Beroulle (Lcis-Esisar-Inpg, France); Oum-El-Kheir Aktouf (Grenoble INP - LCIS, France); David Hély (Grenoble INP - LCIS, France)

Friday, September 16, 9:00-10:30, (GRAND BALLROOM 3)

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

An Improved Algorithm for Indirect Time domain Analysis of Thin Wire Structures
Sinisa Antonijevic, Vicko Doric, Dragan Poljak (University of Split, Croatia)

Assessment of SAR Distribution in the Human Eye and Pregnant Woman Models at GSM Frequencies Using FEKO Software Package
Zlatko Zivkovic, Duje Despalatovic, Dragan Poljak, Antonio Sarolic (University of Split, Croatia); Khalil El Khamlichi Drissi (Universite Blaise Pascal, France)

Analysis of Arrays of Printed Strip Dipole Antennas
Ruzhdi Sefa (University of Prishtina, Kosova); Faton Tefiku (Nokia, Inc, USA); Arianit Maraj (University of Prizren, Kosova)

Design and Testing of a Diode-Based Electric Field Probe Prototype
Zlatko Zivkovic, Damir Senic, Antonio Sarolic, Ante Vucic (University of Split, Croatia)

Influence of Human Head and Hand on PIFA Antenna Matching Properties and SAR
Antonio Sarolic, Damir Senic, Zlatko Zivkovic, Ante Zorica (University of Split, Croatia)

Friday, September 16, 9:00-10:30, (TERRACE BALLROOM 2)

SS1: SPECIAL SESSION ON AD-HOC AND SENSOR NETWORKS

Special session organizer: Joel Rodrigues, University of Beira Interior, Portugal.
Special session chair: Mario Cagalj, University of Split, Croatia

Hierarchical Duty Cycle Management (HDCM) protocol
Danilo Blasi (STMicroelectronics, Italy)

A Collaborative Target Tracking Algorithm Considering Energy Constraint in WSNs
Vinh Tran-Quang (Shibaura Institute of Technology & Hanoi University of Technology, Japan); Phat Nguyen Huu, Takumi Miyoshi (Shibaura Institute of Technology, Japan)

The P2P-RPL Routing Protocol for IPv6 Sensor Networks: Testbed Experiments
Emmanuel Baccelli, Matthias Philipp (INRIA, France); Mukul Goyal (University of Wisconsin - Milwaukee, USA)

Efficient Motion Estimation Algorithm Using Edge Feature and Arithmetic Coding for Video Compression on WVSNs
Phat Nguyen Huu (Shibaura Institute of Technology, Japan); Vinh Tran-Quang (Shibaura Institute of Technology & Hanoi University of Technology, Japan); Takumi Miyoshi (Shibaura Institute of Technology, Japan)

Hybrid Detection Method for Cognitive Radio
Tanuja Dhope, Dina Simunic (University of Zagreb, Croatia);
Ramjee Prasad (Aalborg University, Denmark)

Friday, September 16, 15:00-16:30, (GRAND
BALLROOM 3)

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*

**Full Wave Model versus Transmission Line
Representation of Tesla's Wave Propagation: 155th
Anniversary of Birth of Nikola Tesla**
Dragan Poljak, Zoran Blažević, Silvestar Sesnic, Mario
Cvetković (University of Split, Croatia)

**HF Comparison of Image and TL Models of a Horizontal
Thin-Wire Conductor in Finitely Conductive Earth**
Vesna Arnautovski-Toseva (University Blaise Pascal,
France); Khalil El Khamlichi Drissi (Universite Blaise Pascal
& LASMEA Laboratory, France); Kamal Kerroum (University
of Clermont Ferrand, France)

**Analysis of Grounding Electrode Input Impedance
Calculation**
Damir Cavka, Dragan Poljak (University of Split, Croatia)

**Lightning electromagnetic field of a double-peaked
channel-base current**
Vesna Javor (University of Nis, Serbia)

Friday, September 16, 17:00-18:30, (GRAND
BALLROOM 3)

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

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

An Algorithm to Simulate Impulsive Noise
Pablo Torío, Manuel García Sánchez , Iñigo Cuiñas
(University of Vigo, Spain)

**Impulsive Noise Rejection by Polarization Orthogonality
in OFDM**
Pablo Torío, Manuel García Sánchez (Universidade de Vigo,
Spain)

**Researching the Different Polarizations of Impulsive
Noise**
Pablo Torío, Manuel García Sánchez (Universidad de Vigo,
Spain)

**Using Wavelets to Define and Detect Harmonic
Fingerprints in Non-Sinusoidal Waveforms_**
Ileana Nicolae, Marian-Stefan Nicolae (University of Craiova,
Romania)

Friday, September 16, 17:00-18:30, (GRAND
BALLROOM 1)

SS2: SPECIAL SESSION ON GREEN NETWORKING

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

Energy-efficient cryptography: application of KATAN
Sergey P Panasenko, Sergey Smagin (Ancud Ltd., Russia)

**Energy-aware flow allocation algorithm for Energy
Efficient Ethernet networks**
Isaac Seoane, José Alberto Hernández (Universidad Carlos
III de Madrid, Spain); Pedro Reviriego (Universidad Antonio
de Nebrija, Spain); D. Larrabeiti (Universidad Carlos III de
Madrid, Spain)

**Energy-Aware Retransmission Scheme for Multimedia
Delivery over Wireless Networks**
Deema Abdallah, Sanaa Sharafeddine (Lebanese American
University, Lebanon)

Saturday, September 17, 10:30-12:00, (BRAČ)

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

Using Temporal Neural Networks to Forecasting of Broadband network faults
Zeljko Deljac (HT-Hrvatski telekom, Croatia); Marijan Kunstic (University of Zagreb, Croatia); Boris Spahija (HT-Hrvatski telekom, Croatia)

Capacity Maximizing Cell-Selection in Heterogeneous Cellular Networks
Jeong Soo Park, Gil-Su Heo, Yong-Hwan Lee (Seoul National University, Korea)

Infrastructure-Dependent Wireless Multicast over 802.11n WLAN
Jean Vella, Saviour Zammit (University of Malta, Malta)

Saturday, September 17, 12:00-13:00, (BRAČ)

SYM1/IV: SYMPOSIUM ON RFID TECHNOLOGIES & THE INTERNET OF THINGS (DEMONSTRATIONS SESSIONS)

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

Use of NFC and QR code Identification in an Electronic Ticket System for Public Transport
Luka Finžgar, Mira Trebar (University of Ljubljana, Slovenia)

Distributed Monitoring System for Material Handling
Heinz Lugo, Julien Viret, Axel Bindel, Paul Conway, Andrew West (Loughborough University, United Kingdom)

Design and FDTD Analysis of Single-Band and Dual-Band Antennas for RFID and WiMAX Applications
Nazish Irfan, Mustapha C.E. Yagoub (University of Ottawa, Canada); Khelifa Hettak (Communications Research Centre (CRC), Canada)

TECHNICAL PROGRAM: GENERAL CONFERENCE

Thursday, September 15, 9:00-10:30, (GRAND BALLROOM 1)

S1: COMMUNICATION THEORY

Chair: Fulvio Babich, University of Trieste, Italy

System Performance Enhancement for T-Code Family
S. Saleh Hosseini Bidaki, Mostafa Shahabinejad (Shahid Bahonar University of Kerman, Iran)

The Enhancement of System Performance in Quasi-Orthogonal Space-Time-Frequency Codes
Mostafa Shahabinejad, Alireza Morsali (Shahid Bahonar University of Kerman, Iran)

Turbo Codes Construction for Robust Hybrid Multitransmission Schemes
Fulvio Babich, Francesca Vatta (University of Trieste, Italy)

Distortion Estimation Algorithms for Real-Time Video Streaming: an Application Scenario
Fulvio Babich, Marco D'Orlando, Francesca Vatta (University of Trieste, Italy)

Thursday, September 15, 9:00-10:30, (GRAND BALLROOM 3)

S2: INTERFACES AND COMMUNICATION PROTOCOLS

Chair: Mladen Russo, University of Split, Croatia

A Channel-Aware Reservation Protocol for Cooperative Content Distribution over OFDMA Networks
Elias Yaacoub (QUWIC, Qatar); Lina Al-Kanj, Zaher Dawy (American University of Beirut, Lebanon); Sanaa Sharafeddine (Lebanese American University, Lebanon); Adnan Abu-Dayya (QUWIC, Qatar)

QoS-enabled IPv6 Emulation Environment Based on the Open IMS Core
Tomislav Grgic, Niko Boskovic, Maja Matijasevic, (University of Zagreb, Croatia)

Throughput Analysis of a Cognitive Multi-hop IEEE 802.11-based WLAN Overlaid on a Cellular Network
Hosein Soleimani, Farid Ashtiani (Sharif University of Technology, Iran)

Context-Based Natural Image Parsing: A Critical Survey
Toma Roncevic, Maja Braovic, Darko Stipaničev (University of Split, Croatia)

Accelerometer-Based Gesture Classification Using Principal Component Analysis
Tea Marasovic, Vladan Papic (University of Split, Croatia)

Thursday, September 15, 9:00-10:30, (TERRACE BALLROOM 2)

S3: INFORMATION INFRASTRUCTURE AND SECURITY

Chair: Hrvoje Dujmic, University of Split, Croatia

Massey Omura Multiple Users Key Distribution
Danilo Merlanti, Gianluca Mazzini (University of Ferrara, Italy)

XCS based hidden firmware modification on embedded devices
Boldizsár Bencsáth, Levente Buttyan, Tamás Paulik (Budapest University of Technology and Economics, Hungary)

An architecture for threats detection in mobile operators networks
Mario Di Mauro, Roberto Garufi (Co.Ri.Tel., Italy); Fabio Postiglione, Paolo Addesso, Rocco Restaino, Maurizio Longo (University of Salerno, Italy); Andrea Senatore, Anton Luca Robustelli (Ericsson, Italy)

Proof of Proximity with 802.11 Wireless LAN
Till Wollenberg, Thomas Mundt (University of Rostock, Germany)

Thursday, September 15, 11:00-12:30, (GRAND BALLROOM 1)

S4: CONSUMER COMMUNICATIONS TECHNOLOGIES

Chair: Elisa Benetti, University of Ferrara, Italy

A Linear Regression based Cost Function for WSN Localization
Frank Vanheel (Ghent University & University College Ghent, Belgium); Jo Verhaevert (University College Ghent, Belgium); Eric Laermans (UGent, Belgium); Ingrid Moerman (Ghent University - IBBT, Belgium); Piet Demeester (Ghent University, Belgium)

RecoMMobile: A spatiotemporal recommender system for mobile users
Igor Sambolec, Ivan Rukavina, Vedran Podobnik (University of Zagreb, Croatia)

MHP Application for a Self Evaluation Service
Elisa Benetti, Gianluca Mazzini (University of Ferrara, Italy)

Validation of PM MAPPER aerosol optical thickness retrievals at 1X1 km2 of spatial resolution
Piero Campalani (University of Ferrara & MEEO Srl, Italy); Thi Nhat Thanh Nguyen (University of Ferrara, Italy); Simone Mantovani (Meeo Srl, Italy); Maurizio Bottoni (SISTEMA GmbH, Austria); Gianluca Mazzini (University of Ferrara, Italy)

Thursday, September 15, 11:00-12:30, (GRAND BALLROOM 3)

S5: MOBILE AND WIRELESS COMMUNICATIONS I

Chair: Dragana Krstic, University of Nis, Serbia

Joint Modeling of Network Related Events with Multi-Dimensional Markov Modulated Deterministic Processes
Paulo Salvador, António Nogueira (University of Aveiro/Instituto de Telecomunicações, Portugal); Rui Valadas (Instituto Superior Técnico/Instituto de Telecomunicações, Portugal); António Pacheco (Instituto Superior Técnico/CEMAT, Portugal)

Optimized Resource Allocation for Video Transmission over Multihop Networks with End-to-End Statistical Delay Bound
Amin Abdel Khalek (The University of Texas at Austin, USA); Zaher Dawy (American University of Beirut, Lebanon)

The Application of GIS in Designing of Wireless Communication Systems with SC Combining in the Presence of Ricean Fading
Dragana Krstic, Goran Stamenović (University of Nis, Serbia); Stefan Panic (Faculty of Natural Sciences and Mathematics, Serbia); Zoran J. Popovic, Dejan Rancic, Mihajlo Stefanovic (University of Nis, Serbia)

Thursday, September 15, 11:00-12:30, (TERRACE BALLROOM 2)

S6: NETWORK OPERATIONS AND MANAGEMENT

Chair: Thomas Dreibholz, University of Duisburg-Essen, Germany

Implicit SIP Proxy Overload Detection Mechanism based on Response Behavior
Marco Happenhofer, Christoph Egger (Vienna University of Technology, Austria)

SIP Proxy High-Load Detection by continuous Analysis of Response Delay Values
Christoph Egger, Marco Happenhofer (Vienna University of Technology, Austria); Peter Reichl (Telecommunications Research Center Vienna (FTW) & Université Européenne de Bretagne, Rennes, Austria)

Multistage SPIT Detection in Transit VoIP
Muhammad Ajmal Azad, Ricardo Morla (University of Porto, Portugal)

Availability Modeling of Grid Computing Environments Using SANs
Reza Entezari-Maleki, Ali Movaghar (Sharif University of Technology, Iran)

Modeling Filtering Predicates Composition with Finite State Automata
Marco Leogrande, Luigi Ciminiera, Fulvio Risso (Politecnico di Torino, Italy)

Thursday, September 15, 14:00-15:30, (GRAND BALLROOM 3)

S7: MOBILE AND WIRELESS COMMUNICATIONS II

Chair: Alice Masini, University of Ferrara, Italy

Code Assignment and Reassignment to reduce new code blocking in WCDMA networks
Vipin Balyan, Davinder Singh Saini (Jaypee University of Information Technology, India)

Multi Code Assignment with Minimum Number of Rakes for OVSF CDMA
Vipin Balyan, Davinder Singh Saini (Jaypee University of Information Technology, India)

Mutual Interference Evaluation in Cognitive Radio Networks with Log-normal Shadowing
Alice Masini, Gianluca Mazzini (University of Ferrara, Italy); Guido Riva (Fondazione Ugo Bordoni, Italy)

Reducing the Number of Iterations in Iterative Demodulation with Turbo Decoding
Salim Haddad, Amer Baghdadi, Michel Jezequel (Telecom Bretagne, France)

Wireless Security Threats: Eavesdropping and Detecting of Active RFIDs and Remote Controls in the Wild
Timo Kasper, David Oswald, Christof Paar (Ruhr-University Bochum, Germany)

Thursday, September 15, 14:00-15:30, (TERRRACE BALLROOM 2)

S8: INTERNET AND IP BASED ENVIRONMENTS

Chair: Miljenko Mikuc, University of Zagreb, Croatia

Deploying New Hash Algorithms in Secure Neighbor Discovery
Valter Vasić, Ana Kukec, Miljenko Mikuc (University of Zagreb, Croatia)

Peer-to-Peer for Unreliable Multicast
Danilo Merlanti, Gianluca Mazzini (University of Ferrara, Italy)

A Multi-Variate Classification Approach for the Detection of Illicit Traffic
Eduardo Rocha, Paulo Salvador, António Nogueira (University of Aveiro/Instituto de Telecomunicações, Portugal)

Observer network Web based statistical evaluation
Ljiljana Seric, Tihana Bodrozic, Darko Stipanicev, Toni Jakovcevic (University of Split, Croatia)

Design and Implementation of Web Service Honeypot
Abdallah Ghourabi, Tarek Abbes, Adel Bouhoula (University of Carthage, Tunisia)

S9: MOBILE AND WIRELESS COMMUNICATIONS III

Chair: Vicko Doric, University of Split, Croatia

Power Efficient Femtocell Distribution Strategies
Yoram Haddad (Ben Gurion University of the Negev & Jerusalem College of Technology, Israel); Yisroel A Mirsky (Jerusalem College of Technology, Israel)

MPeersim: Simulation Environment for Mobile P2P Networks
Muhammad Adeel, Laurissa N. Tokarchuk (Queen Mary University of London, United Kingdom)

Performance Analysis of a new Mobility/QoS-aware Architecture
Nuno Vasco Lopes, Maria João M. R. da C. Nicolau (University of Minho, Portugal); Alexandre Santos (University of Minho & R&D Centre Algoritmi, Portugal)

A Desktop Ultra-Wideband Radio Channel Analysis
Zoran Blažević, Duje Čoko, Ivan Plavčić, Toni Jurišić Sokić (University of Split, Croatia)

S10: COMMUNICATIONS SOFTWARE

Chair: Gordan Jezic, University of Zagreb, Croatia

Evaluation of A New Multipath Congestion Control Scheme using the NetPerfMeter Tool-Chain
Thomas Dreibholz, Martin Becke, Hakim Adhari, Erwin P. Rathgeb (Universität Duisburg-Essen, Germany)

NEPI: An Integration Framework for Network Experimentation
Alina Quereilhac, Mathieu Lacage, Claudio Freire, Thierry Turletti, Walid Dabbous (INRIA, France)

Multicore SIP Parsing with Imperative and Declarative Implementations
Ivan Skuliber (Ericsson Nikola Tesla corp. & University of Zagreb, Croatia); Vedrana Jankovic, Ruzica Zec (University of Zagreb, Croatia)

Case Study on Performance of a Group Communication System in the realm of Voice over IP
Stefan Kohlhauser, Thomas Turek, Josef Mitterbauer, Heimo Zeilinger (Vienna University of Technology, Austria); Michael Kreilmeier (Frequentis AG, Austria)

SoftCOM 2011 PROFESSIONAL PROGRAM: WORKSHOP

Thursday, September 15

Thursday, September 15, 16:00-17:30, (TERRACE BALLROOM 2)

WICT/I – WORKSHOP ON INFORMATION AND COMMUNICATION TECHNOLOGIES I

Chair: Zoran Skocir, University of Zagreb, Croatia

Implementation of leaky bucket module for simulations in NS-3
Petros Baltzis (University of Patras, Greece); Christos Bouras, Kostas Stamos, Giannis Zaoudis (University of Patras and RACTI, Greece)

Network and Services Monitoring System
Elisa Benetti, Gianluca Mazzini (University of Ferrara, Italy)

Activity Based Costing system in telecommunications industry
Ivana Dražić Lutilsky, Sanja Broz Tominac, Marina Ivic (University of Zagreb, Croatia)

Evolution of Network Architecture towards Future Networks
Željko Popovic, Vanesa Čačković, Zdravko Kasalo (Ericsson Nikola Tesla, Croatia)

High Availability and Disaster Recovery of Microsoft SQL Server using Failover Clustering and Hyper-V
Ljubo Brodaric (Siemens d. d., Croatia); Dario Petrovic (University of Split, Croatia)

Evaluation of BridgePoint Model-Driven Development Tool in Distributed Environment
Nenad Ukic, Marijan Zemljic, Ivan Markota (Ericsson Nikola Tesla, Croatia); Pal Palyi (Ericsson Telecommunications Hungary (ETH), Hungary); Domonkos Asztalos (Ericsson.Hungary Ltd, Hungary)

Friday, September 16

Friday, September 16, 15:00-16:30, (TERRACE BALLROOM 2)

WICT/II – WORKSHOP ON INFORMATION AND COMMUNICATION TECHNOLOGIES II

Chair: Milutin Kapov, University of Split, Croatia

A Survey of the Potential Impact of RFID Technology on the Mobility of People and Freight, and its Impact on Congestion
Saeed Samadi (Khorasan Research Institute for Food Science & Technology & Khorasan Science & Technology Park, Iran)

Performance of Serially Concatenated Convolutional Codes with LM-n Decoding
Piotr Tyczka (Poznan University of Technology, Poland); Karol Górka (Polska Telefonia Cyfrowa Sp. z o. o. T - Mobile, Poland)

Public Unified IPv4 Communication Services over IPv6 Access Network
Rajko Mihajlovic (University of Zagreb, Croatia)

NFC (Near Field Comunication) Applications for a mobile University Campus
Gerrit Kalkbrenner (Universitaet Bremen & TZI, Germany)

Packet classification for content awareness
Radu Miruta (Polytechnic University of Bucharest, Romania)

Active Queue Management, REM Algorithm
Ivan Teklic (Brodosplit, Croatia)

Friday, September 16, 17:00-18:30, (TERRACE BALLROOM 2)

WICT/III – WORKSHOP ON INFORMATION AND COMMUNICATION TECHNOLOGIES III

Chair: Milutin Kapov, University of Split, Croatia

Evaluation on Performances of Internal Antenna within Portable Radio Terminal in VHF Band
Shimpei Akimoto (Chiba University, Japan)

Theoretical framework for LRIC concept
Ivana Dražić Lutilsky, Danijela Milos Sprcic, Marina Ivic (University of Zagreb, Croatia)

Application of Factor Analysis on Improving Diagnostics of Broadband Services
Boris Spahija, Željko Deljac (HT-Hrvatski telekom, Croatia)

Anatomy of Excellence Development
Denis Duka, Lovre Hribar (Ericsson Nikola Tesla, Croatia)

Design and Simulation of Micro strip Antenna for Enhancement Bandwith
Bassesuka Sandoka (Beihang University, P.R. China)

Usage of iPROPS Process in the Development of Communications-related Applications for the Intelligent Home
Milan Ramljak, Mia Čizmić (Ericsson Nikola Tesla, Croatia)

Saturday, September 17, 10:30-13:00, (HVAR)

WICT/IV – WORKSHOP ON INFORMATION AND COMMUNICATION TECHNOLOGIES IV

Chair: Ivan Marinovic, University of Split, Croatia

Analysis of Wireless Smart Metering Solutions
Gergely Ill, Károly Lendvai, Ákos Milánkovich (Budapest University of Technology and Economics, Hungary); Sándor Imre (Technical University of Budapest, Hungary); Sándor Szabó (Budapest University of Technology and Economics, Hungary)

The comparison of Virtual Machine Migration Performance between XEN-HVM, XEN-PV,Open-VZ,KVM-FV, KVM-PV
Igli Tafa (Polytechnic University of Tirana, Albania); Ermal Beqiri (Tirana University, Albania); Elinda Kajo Meçe, Aleksander Xhuvani (Polytechnic University of Tirana, Albania)

Compromise between energy consumption and QOS
Forough Norouzi, Michael A. Bauer (The University of Western Ontario, Canada)

Transmission Line Theory approach used on Typical Power Line Communication Structures
Dino Lozina, Zoran Blažević (University of Split, Croatia); Khalil El Kamlichi Drissi (University Blaise Pascal, France)

Synthetic Aperture Radar Simulation and Measurement
Haris Hadzic, Mijo Grubisic, Zoran Blažević (University of Split, Croatia)

Traffic Load Influence on Power Consumption of GSM and UMTS Base Stations
Josip Lorincz, Nikola Dimitrov, Milutin Kapov, Goran Petrovic (University of Split, Croatia)