TECHNICAL PROGRAM: SYMPOSIUMS & SPECIAL SESSION

Thursday, September 23

Thursday, September 23, 14:00-15:30, (HVAR)

SS1: SPECIAL SESSION ON RFID TECHNOLOGIES AND THE INTERNET OF THINGS

Special session organizer: Luigi Patrono, University of Salento, Italy
Special session chair: Luigi Patrono, University of Salento, Italy

Technique for Preventing DoS Attacks on RFID Systems
Deepak Tagra, Musfiq Rahman, Srinivas Sampalli, *Dalhousie University, Canada*

CoMoSeR: Cost Model for Security-Enhanced RFID-Aided Supply Chains
Matthieu-P. Schapranow, Mike Nagora, Alexander Zeier, *Hasso Plattner Institute, Germany*

Use of RFId Technology and CCOW Standard for Patient Traceability
Sergio Sbrenni, *Istituto Superiore di Sanità, Italy;* Tommaso Piazza, *ISMETT, Italy;* Velio Macellari, *Istituto Superiore di Sanità, Italy*

High Performance RFID tags for item-level Tracing Systems
Luca Catarinucci, Riccardo Colella, Mario De Blasi, Vincenzo Mighali, Luigi Patrono, Luciano Tarricone, *University of Salento, Italy*

Thursday, September 23, 16:00-17:30, (HVAR)

SS2: SPECIAL SESSION ON ON AD HOC AND SENSOR NETWORKS

Special session organizer: Joel Rodrigues, University of Beira Interior, Portugal
Special session chair: Josip Lörinc, University of Split, Croatia

Average End-to-End Packet Delay Performance of IEEE 802.11 with Gamma Distributed Mean Service Time Intervals
Faisal Iradat, Sayeed Ghani, *Institute of Business Administration, Pakistan*

A Fastest Multi-Hop Routing Scheme for Information Dissemination in Vehicular Communication Systems
Muhammad Bilal, Pauline ML Chan, Prashant Pillai, *University of Bradford, United Kingdom*

Friday, September 24

Friday, September 24, 9:00-10:30, (ŠOLTA)

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

A Comparison of Methods for Fault Prediction in the Broadband Networks
Željko Deljac, *HT-Hrvatski Telekom, Croatia;* Marijan Kunštić, *University of Zagreb, Croatia*

Management of Real Time Constraints in Sensor Networks
Violeta Felea, *Université de Franche-Comté, France*

Measuring the Effect of AES Encryption on VoWLAN QoS
Mohammed M. Alani*, Gulf University, Kingdom of Bahrain*

MEEAC: An Enhanced Scheme for Supporting QoS granularity by Multipath Explicit Endpoint Admission Control
Saeed Osali, Reza Farahbakhsh, Amir Mahdi Abdolhosseini, *Fava Pars Co. Iran*

Friday, September 24, 9:00-10:30, (VIS)

SYM1/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

Power Line Communication and Compromising Radiated Emission
Pierre Degauque, Pierre Laly, Virginie Degardin, Martine Lienard, *University of Lille, France*

Some Integrals and Integral Transformations of Lightning Pulse Functions
Vesna Javor, *University of Nis, Serbia*

Assessment of Lightning Stroke Incidence to Modern Wind Turbines
Petar Sarajcev, *University of Split, Croatia*

Assessment of Lightning Stroke Incidence to Underground Power Cables
Petar Sarajcev, *University of Split, Croatia*

Boundary Element Modeling of Complex Grounding Systems: Study on Input Impedance and Transient Response
Dragan Poljak, Darko Cerdic, *University of Split, Croatia*

SYM1/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

On Shielding Effectiveness Measurements Using Dual Vibrating Intrinsic Reverberation Chamber
Jacek Skrzypczynski, *Wroclaw University of Technology, Poland*

Estimated Peak Power Density in the Vicinity of Cellular Base Stations in Albanian Territory
Bexhet Kamo, Rozeta Miho Mitrushi, Vladi Kolici, Olimpjon Shurdi, Algenti Lala, *Polytechnic University of Tirana, Albania*

Electromagnetic Field Exposure of 13.56 MHz RFID Loop Antenna
Damir Senić, Dragan Poljak, Antonio Šarolić, *University of Split Croatia*

The Effect of 1800 MHz Electromagnetic Field on Oxidative Stress Parameters in Earthworms (Eisenia fetida)
Sanja Banjeglav, Krešimir Malarić, Mirta Tkalec, *University of Zagreb, Croatia*

Modeling of Canonical Surfaces used for Mutual Coupling Reduction
Tin Komljenovic, Marko Bosiljevac, Zvonimir Sipus, *University of Zagreb, Croatia*

SYM1/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

Time Domain Analytical Modeling of Finite Length Thin Wire Embedded in Homogeneous Lossy Medium
Silvestar Šesnić, Dragan Poljak*, University of Split, Croatia*

On Time-domain Numerical Modeling of a Ground Losses in the Problem of Thin Wire above an Imperfect Ground
Sinisa Antonijevic, Dragan Poljak, *University of Split, Croatia*

Simulations of Electromagnetic Field Coupling to Transmission Lines using FEKO and SuzANA Codes
Damir Senic, Dragan Poljak, *University of Split, Croatia;* Khalil El Khamlici Drissi, *Blaise Pascal University, France;* Nikolina Giljanović, *University of Split, Croatia*

Improving the Helical Antenna Performance by Changing the Pitch Angle and the Shape of Reflector
Maja Škiljo, Zoran Blazevic, Ante Jurišić, Katarina Pandžić, *University of Split, Croatia*

SS4: SPECIAL SESSION ON GREEN NETWORKING

Special session organizers: Antonio Capone, Politecnico di Milano - DEI, Italy; Josip Lörinc, University of Split, Croatia
Special session Chair: Josip Lörinc, University of Split, Croatia

Heuristic Approach for Optimized Energy Savings in Wireless Access Networks
Josip Lorincz, *University of Split, Croatia;* Massimo Bogarelli, Antonio Capone, *Politecnico di Milano, Italy*; Dinko Begušić *University of Split, Croatia*

Encoder Power Consumption Comparison of Distributed Video Codec and H.264/AVC in Low-complexity Mode
Anna Ukhanova, *Technical University of Denmark, Denmark;* Eugeniy Belyaev, *St. Petersburg Institute for Informatics and Automation of Russian Academy of Sciences, Russia;* Søren Forchhammer, *Technical University of Denmark, Denmark*

Source Coding Technique for Energy Efficient IEEE 802.15.4 Wireless Sensor Networks
Joze Mohorko, Uros Pesovic, Peter Planinsic, Zarko Cucej, *University of Maribor, Slovenia*

An Energy Efficient MAC Protocol for Cluster Based Event Driven WSN Applications
Nukhet Sazak, *Sakarya University, Turkey;* Ismail Erturk, *Kocaeli University, Turkey;* Etem Koklukaya, Murat Cakiroglu, *Sakarya University, Turkey*

PoliSave: Efficient Power Management of Campus PCs (INVITED PAPER)
Luca Chiaraviglio, Marco Mellia, *Politecnico di Torino, Italy*

Thursday, September 23

Thursday, September 23, 9:00-10:30, (ŠOLTA)

S1: MOBILE AND WIRELESS COMMUNICATIONS I

Chair: Alice Masini, University of Ferrara, Italy

Immediate Neighbor Assignment and Reduction in Code Blocking for OVSF-WCDMA
Vipin Balyan, Davinder S Saini, *Jaypee University of Information Technology, India*

Analysis of Intercell Interference Coordination by Fractional Frequency Reuse in LTE
Marko Porjazoski, Borislav Popovski, *University "Sts Cyril and Methodius", Macedonia*

Access Point Selection for Improving the Voice Quality and Overall Throughput in Wireless LANs
Mehmet Fatih Tüysüz, Haci Ali Mantar, *Gebze Institute of Technology, Turkey*

Routing Metric Estimation in Multi-hop Wireless Networks with Fading Channel
Alice Masini, Gianluca Mazzini, *University of Ferrara, Italy;* Guido Riva, *Fondazione Ugo Bordoni, Italy*

Iterative MIMO Detection: Flexibility and Convergence Analysis of Soft-Input Soft-Output List Sphere Decoding and Linear MMSE detection
Micaela Troglia Gamba, Guido Masera, *Politecnico di Torino, Italy;* Amer Baghdad, *Telecom Bretagne, France*

Thursday, September 23, 9:00-10:30, (VIS)

S2: Communication Theory

Chair: Hrvoje Dujmić, University of Split, Croatia

Network Coding-based ARQ Retransmission Strategies for Two-Way Wireless Relay Networks
Quoc-Tuan Vien, *Glasgow Caledonian University, United Kingdom*; Le-Nam Tran, *Kyung Hee University, Rep. of Korea;* Huan X. Nguyen, *Glasgow Caledonian University, United Kingdom*

Two Simplified Coding Schemes for Wireless Sensor Networks with Star Topologies
Fan Yang, Chun He, Huai-zong Shao, *University of Electronic Science and Technology of China, China*

Thursday, September 23, 11:00-12:30, (ŠOLTA)

S3: MOBILE AND WIRELESS COMMUNICATIONS II

Chair: Zoran Blažević, University of Split, Croatia

Distributed Closed-Loop Extended Orthogonal Space Time Block Coding For Two-Way Wireless Relay Networks
Usama Mannai, Abdulghani M Elazreg, Jonathon A Chambers, *Loughborough University, United Kingdom*

The Ultra-Wide Bandwidth Indoor Channel: Measurement Campaign and Modeling
Luca Alfredo Annoni, Riccardo Minutolo, Mauro Montanari, Tommaso Sabatini*, THALES ITALIA S.p.a , Italy*

A Micro-Mobility Solution for Supporting QoS in Global Mobility
Nuno Vasco Lopes, Maria João Nicolau, Alexandre Santos, *University of Minho, Portugal*

Coverage of Wireless Sensor Networks in the Presence of Transparent Obstacles
Mohamadreza Razzazi, Azade Fotouhi, *Amirkabir University of Technology, Iran*

LTE Multi-antenna Techniques Based on Alamouti SFBC with Correlated Channels
Lise Safatly, Guillaume Andrieux, Jean Francois Diouris, *IREENA, France*

Thursday, September 23, 11:00-12:30, (VIS)

S4: COMMUNICATION SOFTWARE

Chair: Hrvoje Dujmić, University of Split, Croatia

A New Hybrid Frame ALOHA and Binary Splitting Algorithm for Anti-collision in RFID Systems
Mohammed Al-Medhwahi, Abdulsalam Alkholidi, *Sana'a University, Yemen;* Habib Hamam, *University of Moncton, Canada*

Flexible Analysis of Distributed Protocol Implementations using Virtual Time
Elias Weingärtner, *RWTH Aachen University, Germany;* Marko Ritter*, PlusServer AG, Germany;* Raimondas Sasnauskas, Klaus Wehrle, *RWTH Aachen University, Germany*

Managing Constraints of Validation in Model Transformations
László Lengyel, Tihamér Levendovszky, Hassan Charaf, *Budapest University of Technology and Economics, Hungary*

A Software Architecture for Simplifying the JSLEE Service Design and Creation
Mauro Femminella, Emanuele Maccherani, Gianluca Reali, *University of Perugia, Italy*

MPR-based Pruning Techniques for Shortest Path Tree Computation
Juan Antonio Cordero Fuertes, *INRIA, France*

Thursday, September 23, 14:00-15:30, (ŠOLTA)

S5: MOBILE AND WIRELESS COMMUNICATIONS III

Chair: Julije Ožegović, University of Split, Croatia

Blind Turbo Equalization with EM Algorithm for DPSK Systems
Serkan Yakut, *Balikesir University, Turkey;* Cabir Vural, *Sakarya University, Turkey*

Cube Lattice Decoder
Masoud Alghoniemy, *Egypt-Japan University of Science and Technology, Egypt*; Ahmed H. Tewfik, *University of Minnesota, USA*

A New Price-based Spectrum Sharing Algorithm in Cognitive Radio Networks
Hoda Shah Mohammadian, Bahman Abolhassani, *Iran University of Science and Technology, Iran*

Adaptive MMSE Multiuser Detection (A-MMSE-MUD) in Asynchronous Cooperative CDMA Networks
Athar Qureshi, Triantafyllos Kanakis, Charan Litchfield, Predrag Rapajic, *University of Greenwich, United Kingdom*

Thursday, September 23, 14:00-15:30, (VIS)

S6: NEXT GENERATION NETWORKS AND SERVICES

Chair: Zoran Blažević, University of Split, Croatia

An Adaptive Call Admission Control Scheme with Complete Bandwidth Sharing for Multi-Class Traffic in Wireless Networks
Sharifa Al Khanjari, Bassel Arafeh, Khaled Day, Nasser Alzeidi, *Sultan Qaboos University, Oman*

Quality of Signaling (QoSg) Metrics for Evaluating SIP Transaction Performance
Marco Happenhofer, *Vienna University of Technology, Austria*; Peter Reichl, *Telecommunications Research Center Vienna (FTW), Austria*

A Quantized Water-Filling Packet Scheduling Scheme for Downlink Transmissions in LTE-Advanced Systems with Carrier Aggregation
Yao-Liang Chung, Zsehong Tsai, *National Taiwan University, Taiwan*

Cloud Architecture for Tight Interaction with the Real World and Deep Sensor-Data Aggregation Mechanism
Hidetaka Aoki, Hiroaki Shikano, Michitaka Okuno, Yuji Ogata, Hiroki Miyamoto, Yuji Tsushima, Takeki Yazaki, Shinji Nishimura, *Hitachi, Japan*

Thursday, September 23, 16:00-17:30, (ŠOLTA)

S7: MOBILE AND WIRELESS COMMUNICATIONS IV

Chair: Antonio Šarolić, University of Split., Croatia

Design of Permuted Serially Concatenated Multiple Parity-Check Codes
Marco Baldi, Giovanni Cancellieri, Franco Chiaraluce, Amedeo De Amicis, *Università Politecnica delle Marche, Italy*

Car2X-Communication for Vision-based Object Detection
Lars Hoehmann, Anton Kummert, *University of Wuppertal, Germany*

Analysis of Session Key Negotiation & Distribution Protocols in Wireless Sensor Networks
Munir Hussain, *University of Wales, United Kingdom*; Muhammad Adeel, M. Awais Azam, *University of London, United Kingdom*; M. Amer Shahzad, *University of Gloucestershire, United Kingdom*; Sonia Hameed, *Muhammad Ali Jinnah University, Pakistan*

Power Management of Video Transmission on Wireless Networks for Multiple Receivers
Christos Bouras, Kostas Stamos, Giannis Zaoudis, *University of Patras, Greece*

Thursday, September 23, 16:00-17:30, (VIS)

S8: NETWORK OPERATIONS AND MANAGEMENT

Chair: Luigi Patrono, University of Salento, Italy

Anomaly Detection using Baseline and K-means Clustering
Moisés F. Lima, *State University of Londrina, Brazil*; Bruno B. Zarpelão, *University of Campinas, Brazil*; Lucas D. H. Sampaio, *State University of Londrina, Brazil*; Joel J. P. C. Rodrigues, *University of Beira Interior, Portugal*; Taufik Abrão, Mario Lemes Proença Jr., *State University of Londrina, Brazil*

Analysing Network-wide Anomalies using Dependency Graphs and Baseline
Alexandre A. Amaral, Bruno Zarpelão, *University of Campinas, Brazil*; Joel J. P. C. Rodrigues, *University of Beira Interior, Portugal*; Leonardo S. Mendes, *State University of Campinas, Brazil*; Mario Lemes Proença Jr., *State University of Londrina, Brazil*

SPOP: A Service Provider Oriented Peer-to-peer architecture
Radwane Saad, Ahmed Serhrouchni, *Telecom ParisTech, France*; Ken Chen, *Université of Paris, France*

Design Principles and Practical Implementation of a Situation Aware Multipath Routing Algorithm
Georgeta Boanea, Melinda Barabas, Andrei Bogdan Rus, Virgil Dobrota, *Technical University of Cluj-Napoca, Romania*

Friday, September 24

Friday, September 24, 15:00-16:30, (ŠOLTA)

S9: INTERNET AND IP BASED ENVIRONMENTS

Chair: Mario Čagalj, University of Split, Croatia

Rapid Synchronization of RTP Multicast Sessions Using the Retransmission Server
Zlatan Begić, Himzo Bajrić, *BH Telecom Joint Stock Company, Bosnia and Herzegovina*; Mladen Kos, *University of Zagreb, Croatia*

Ontology Based Road Service Task Manager and Route Planning System
Tea Marasović, Renco Marasovic, *University of Split, Croatia*

Cooperative Proxies Network Performance Analysis
Danilo Merlanti, Gianluca Mazzini, *University of Ferrara, Italy*

Fault Diagnosis in Optical Access Network using Bayesian Network
Robert Moštak, Boris Spahija, Željko Deljac, *HT-Croatian Telecom, Croatia*

Integrating Custom Hardware into Sensor Web
Maria Porcius, *Jozef Stefan International Postgraduate School, Slovenia*; Carolina Fortuna, Gorazd Kandus, Mihael Mohorcic, *Jozef Stefan Institute, Slovenia*

Friday, September 24, 15:00-16:30, (BORAK)

S10: SIGNAL PROCESSING AND CODING

Chair: Hrvoje Dujmić, University of Split, Croatia

Distributed Quasi-Orthogonal Type Space-Time Block Coding With Maximal Distance Property For Wireless Relay Networks
Mustafa Abdelaziz Manna, Jonathon A Chambers, *Loughborough University, United Kingdom*

A Comparison Study of Binary and Non-Binary LDPC Codes Decoding
Sanae El Hassani, Marie-Héléne Hamon, Pierre Pénard, *Orange Labs, France*

Distributed Cooperative Space-Time Coding with Parallel Interference Cancellation for Asynchronous Wireless Relay Networks
Abdulghani M. Elazreg, Usama Mannai, Jonathon A. Chambers*, Loughborough University, United Kingdom*

De Bruijn Sequences for Spread Spectrum Applications: Analysis and Results
Susanna Spinsante, Stefano Andrenacci, Ennio Gambi, *Universitá Politecnica delle Marche, Italy*

System Level Analysis and Experimental Characterization of Frequency Pulling in PLLs
Manohiaina Ranaivoniarivo, Sidina Wane, Pascal Philippe, Olivier Aymard, Patrice Gamand, *NXP Semiconductors, France*

Friday, September 24, 17:00-18:30, (ŠOLTA)

S11: QOS AND RESOURCE MANAGEMENT

Chair: Maja Štula, University of Split, Croatia

Leverage Simulation for Analyzing CBSE/MDD Development Process of Embedded Systems
Branka Pavetić, *Infodom d.o.o., Croatia;* Rikard Land, *Mälardalen University, Sweden*

Analysis of QoS Requirements for Delivering IPTV over WiMAX Technology
Adrian Shehu, Arianit Maraj, Rozeta Miho Mitrushi, *Polytechnic University of Tirana, Albania*

Determination of Appropriate Brand Entry Mode for SOE Telecommunication market: a Neuro Marketing and Cross-Cultural Perspective
Duško Lukač, *University of Applied Sciences, Germany;* Michael Schäfer, *Deutsche Telekom AG, Germany*

Friday, September 24, 17:00-18:30, (HVAR)

S12: INTERFACES AND COMMUNICATION PROTOCOLS

Chair: Mario Čagalj, University of Split, Croatia

Passive RTT Measurement during Connection Close
Alexander Moosbrugger, Peter Dorfinger, *Salzburg Research Forschungsgesellschaft m.b.H., Austria*

Simulation Platform for Video Streaming Evaluation
Mario Montagud, Fernando Boronat, Vicent Vidal, *Universidad Politécnica de Valencia, Spain*

Wireless Sensor Networks Routing over Zones
Kamal Beydoun, Violeta Felea, *Université de Franche-Comté, France*

Impact of Content Storage and Retrieval Mechanisms on the Performance of Vehicular Delay-Tolerant Networks
Bruno M. Silva, Vasco N. G. J. Soares, *University of Beira Interior, Portugal;* Mario L. Proença, *State University of Londrina, Brazil;* Joel J. Rodrigues*, University of Beira Interior, Portugal*

Stream Scheduling Considerations for SCTP
Robin Seggelmann, Michael Tüxen, *Münster University of Applied Sciences, Germany;* Erwin P. Rathgeb, *University of Duisburg-Essen, Germany*

Thursday, September 23

Thursday, September 23, 9:00-10:30, (BORAK)

WICT/I – WORKSHOP ON INFORMATION AND COMMUNICATION TECHNOLOGIES I

Chair: Elisa Benetti, University of Ferrara, Italy

Performance Evaluation of JTCP over IEEE 802.16 Wireless Networks
Alessandro Andreadis, Sandro Rizzuto, Riccardo Zambon, *University of Siena, Italy*

Elderly Monitoring Through Innovative D-TV Interfaces
David Baldo, Giuliano Benelli, Giovanni Luca Daino, Roberto Sesto, Riccardo Zambon, *University of Siena, Italy*

Interactive Services for Digital Terrestrial Television
Elisa Benetti, Gianluca Mazzini, *University of Ferrara, Italy*

A Quaternary Prediction Technique for MPEG Video Compression
Stefania Bartoletti, Antonio Cremonin, Silvio Granata, Marco Marchini, Alessandro Morelli, Antonio Pedroni, Gianluca Mazzini, *University of Ferrara, Italy*

Mobile Phone Forensics
Ivan Teklić, *Brodosplit, Croatia*

Debugging at Radio Access Network
Kristijan Raič, *University of Split, Croatia;* Tonči Dumanić, *Ericsson Nikola Tesla d.d., Croatia)*

Thursday, September 23, 11:00-12:30, (BORAK)

WICT/II – WORKSHOP ON INFORMATION AND COMMUNICATION TECHNOLOGIES II

Chair: Mladen Russo, University of Split, Croatia

Test Strategy in One Track Software Development Method
Darko Galicic, *Ericsson Nikola Tesla d.d., Croatia;* Željka Car, *University of Zagreb, Croatia*

Resource Based Compensation Protocol for Web Services
Miro Zdilar, *PLIVA Croatia Ltd., Croatia*

"Sono Io®": an Access Control Solution for the Silver Market
Luca Cremona, Federico A. Pigni, *Università Carlo Cattaneo, Italy*

Processing CDRs and IPDRs for Detection Purpose in Fraud Management Systems
Igor Bjelik, *Ericsson Nikola Tesla d.d., Croatia*

Secure Initial Configuration of Resource Constrained Wireless Smart Objects
Colin P. O'Flynn, *NewAE, Canada*

Intelligo: A Client/Server Architecture for Intelligibility Tests
Honorine Mujyambere, Carlo Bellettini, Gianluca Mazzini, *University of Ferrara, Italy*

Friday, September 24

Friday, September 24, 9:00-10:30, (BORAK)

WICT/III – WORKSHOP ON INFORMATION AND COMMUNICATION TECHNOLOGIES III

Chair: Zoran Skočir, University of Zagreb, Croatia

Test Driven Development Method in Software Development Process
Denis Duka, Lovre Hribar, *Ericsson Nikola Tesla, Croatia*

SMS Isolation Function in Signaling Transfer Point
Goran Horvat, Tomislav Hećimović, *Ericsson Nikola Tesla, Croatia*

Reliability of Ariadne Protocol in Ambulatory Wireless Sensor Deployment
Drake Patrick Mirembe, *Makerere University Kampala, Uganda;* Fisseha Mekuria, *Council for Science & Industrial Research Pretoria, South Africa;* Maybin Muyeba, *Manchester Metropolitan University, United Kingdom*

Routing Efficiency Comparison of Chord and PChord Routing Protocols
Muhammad Awais Azam, Muhammad Adeel, *University of London, United Kingdom;* Munir Hussain, *University of Wales, United Kingdom*

Analysis of the Next Generation Network Regulatory Framework
Velimir Švedek, Mario Weber, *HAKOM, Croatia*

Secure Remote Maintenance and Control in an OSGi-aware e-Health Environment
Domagoj Drenjanac, Hrvoje Maračić, Irena Širanović, Krešimir Jurasović, *University of Zagreb, Croatia;* Vedran Galetić, Saša Dešić, *Ericsson Nikola Tesla, Croatia*

Friday, September 24, 17:00-18:30, (BORAK)

WICT/IV – WORKSHOP ON INFORMATION AND COMMUNICATION TECHNOLOGIES IV

Chair: Saša Dešić, Ericsson Nikola Tesla, Croatia

Estimating Quality Level and Test Cost Ratio of Telecom Software Components using Bayesian Estimator
Đani Vladislavic, *Ericsson Nikola Tesla, Croatia*

Telecom Software Reliability Prediction using Goel Okumoto Model
Djani Vladislavic, *Ericsson Nikola Tesla, Croatia*

Introducing Kanban methodology in Design Maintanance Organization of the Telecom Company
Đani Vladislavic, *Ericsson Nikola Tesla, Croatia;* Dinko Begušić, *University of Split, Croatia*

Split Dalmatia County Document Management Software Architecture
Sven Gotovac, *University of Split, Croatia;* Frane Bebić, Damir Brčić, *Split Dalmatia County, Croatia*

Service Blending in Next Generation Network: Health Application
Ivica Ćubić, Goran Kopčak, Ivan Markota, *Ericsson Nikola Tesla, Croatia*

Ericsson Composition Engine
Ivan Markota, Ivica Ćubić, *Ericsson Nikola Tesla d.d., Croatia*

A New Steganographic Method for Color and Grayscale Images Based on Opacity
Mohamadreza Razzazi, Arezoo Torkaman, *Amirkabir University of Technology, Iran*

Software System Test
Marin Morožin, *Ericsson Nikola Tesla d.d., Croatia;* Nikola Rožić, *University of Split,* Ivica Ćubić, *Ericsson Nikola Tesla d.d., Croatia*

Saturday, September 25

Saturday, September 25, 9:00-10:30, (BORAK)

WICT/V – WORKSHOP ON INFORMATION AND COMMUNICATION TECHNOLOGIES V

Chair: Milutin Kapov, University of Split, Croatia

Duty Cycle Measurement under Non Controlled Sampling: Part I
Chiara Taddia, Gianluca Mazzini, *Lepida S.p.A., Italy;* Riccardo Rovatti, *University of Bologna, Italy*

Duty Cycle Measurement under Non Controlled Sampling: Part II
Chiara Taddia, Gianluca Mazzini, *Lepida S.p.A., Italy;* Riccardo Rovatti, *University of Bologna, Italy*

Proactive Copper Pair Troubleshooting Utilizing Principal Component Analysis
Boris Spahija, Željko Deljac, *HT-Croatian Telecom, Croatia*

Assessment Methodology of QoS of Transport Networks in UMTS
Slobodan Vasiljević, *Telekom Srpske, Bosnia and Herzegovina;* Milojko Jevtović, *Faculty of Electrical Engineering, Bosnia and Herzegovina*

DLMS/COSEM Protocol Profiles over Wireless M-Bus, ZigBee and 6LoWPAN on Electricity Meter/Communication Hub and Multi Utility Meter Interface
Ivica Hadjina, *HEP ODS, Croatia;* Dinko Begusic, *Split University, Croatia*

Saturday, September 25, 11:00-12:30, (BORAK)

WICT/VI – WORKSHOP ON INFORMATION AND COMMUNICATION TECHNOLOGIES VI

Chair: Milutin Kapov, University of Split, Croatia

Predicting Energy Consumption of Mobile Devices
Ville Koponen, Jukka Manner, Le Wang, *Aalto University, Finland*

Greening Radio Access Networks Using Distributed Base Station Architectures
Georgios Kardaras, Jose Soler, Lars Dittmann, *Technical University of Denmark, Denmark*

A DS-SS Radar Implementation on Software Defined Radio
Susanna Spinsante, Stefano Andrenacci, Ennio Gambi, *Università Politecnica delle Marche, Italy;* Giovanni Pelliccioni, *ArieLAB Srl, Italy*

Round-trip Delay in HFC Network
Igor Bedalov, *Ericsson Nikola Tesla, Croatia;* Milutin Kapov, *University of Split, Croatia*