### Preliminary Technical Program

**Thursday, September 23**

#### 09:00 - 10:30

**S1: Mobile and Wireless Communications I**

<table>
<thead>
<tr>
<th>Title</th>
<th>Presenters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immediate Neighbor Assignment and Reduction in Code Blocking for OVSF-WCDMA</td>
<td>Davinder Singh Saini (Jaypee University of Information Technology, India); Vipin Balyan (Jaypee University of Information Technology, India)</td>
</tr>
<tr>
<td>Analysis of Intercell Interference Coordination by Fractional Frequency Reuse in LTE</td>
<td>Marko Porjazoski (Sts Cyril and Methodius University, Macedonia); Borislav Popovski (University Ss &quot;Cyril and Methodius&quot;, Macedonia)</td>
</tr>
<tr>
<td>Access Point Selection for Improving the Voice Quality and Overall Throughput in Wireless LANs</td>
<td>Mehmet Fatih Tuysuz (Gebze Institute of Technology, Turkey)</td>
</tr>
<tr>
<td>Routing Metric Estimation in Multi-hop Wireless Networks with Fading Channel</td>
<td>Alice Masini (University of Ferrara, Italy); Gianluca Mazzini (University of Ferrara, Italy); Guido Riva (Fondazione Ugo Bordoni, Italy)</td>
</tr>
<tr>
<td>Iterative MIMO Detection: Flexibility and Convergence Analysis of Soft-Input Soft-Output List Sphere Decoding and Linear MMSE detection</td>
<td>Micaela Troglia Gamba (Politecnico di Torino, Italy); Guido Masera (Politecnico di Torino, Italy); Amer Baghdadi (Télécom Bretagne, France)</td>
</tr>
</tbody>
</table>

#### 11:00 - 12:30

**S2: Communication Theory**

<table>
<thead>
<tr>
<th>Title</th>
<th>Presenters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Network Coding-based ARQ Retransmission Strategies for Two-Way Wireless Relay Networks</td>
<td>Quoc-Tuan Vien (Glasgow Caledonian University, United Kingdom); Le-Nam Tran (Kyung Hee University, Korea); Huan X Nguyen (Glasgow Caledonian University, United Kingdom)</td>
</tr>
<tr>
<td>Two Simplified Coding Schemes for Wireless Sensor Networks with Star Topologies</td>
<td>Fan Yang (University of Electronic Science and Technology of China, P.R. China); Chun He (University of Electronic Science and Technology of China, P.R. China); Huai-zong Shao (University of Electronic Science and Technology of China, P.R. China)</td>
</tr>
<tr>
<td>A Novel Orthogonal Pairing Transmission Technique for Downlink CDMA Systems</td>
<td>Ahmed Elkalagy (University of Manchester, United Kingdom); Emad Alsusa (Manchester University, United Kingdom)</td>
</tr>
</tbody>
</table>

#### 11:00 - 12:30

**S3: Mobile and Wireless Communications II**

<table>
<thead>
<tr>
<th>Title</th>
<th>Presenters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distributed Closed-Loop Extended Orthogonal Space Time Block Coding For Two-Way Wireless Relay Networks</td>
<td>Usama Mannai (Loughborough University, United Kingdom); Abdulghani M Elazreg (Loughborough university UK, United Kingdom); Jonathon A Chambers (Loughborough University, United Kingdom)</td>
</tr>
<tr>
<td>The Ultra-Wide Bandwidth Indoor Channel: Measurement Campaign and Modeling</td>
<td></td>
</tr>
</tbody>
</table>
A Micro-Mobility Solution for Supporting QoS in Global Mobility
Nuno Vasco Lopes (University of Minho, Portugal); Maria João M. R. da C. Nicolau (University of Minho, Portugal); Alexandre Santos (University of Minho, Portugal)

Coverage of Wireless Sensor Networks in the Presence of Transparent Obstacles
Mohamadreza Razzazi (AUT Faculty member, Iran); Azade Fotouhi (Master of Science Student, Iran)

LTE multi-antenna techniques based on Alamouti SFBC with correlated channels
Lise Safatly (University of Nantes, France); Guillaume Andrieux (IREENA, France); Jean Francois Diouris (University of Nantes, France)

S4: Communication Software

A new Hybrid Frame ALOHA and Binary Splitting algorithm for anti-collision in RFID systems
Mohammed Al-Medhwahi (Sana'a University, Yemen); 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 (RWTH Aachen University, Germany); Klaus Wehrle (RWTH Aachen University, Germany)

Managing Constraints of Validation in Model Transformations
Laszlo Lengyel (Budapest University of Technology and Economics, Hungary); Tihamer Levendovszky (Budapest University of Technology and Economics, Hungary); Hassan Charaf (Budapest University of Technology and Economics, Hungary)

A software architecture for simplifying the JSLEE service design and creation
Mauro Femminella (University of Perugia, Italy); Emanuele Maccherani (University of Perugia, Italy); Gianluca Reali (University of Perugia, Italy)

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

14:00 - 15:30

S5: Mobile and Wireless Communications III

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

Analysis of Call Setup Delay for Circuit Switched Fallback in Evolved Packet System (CSFB)
Hua Jiang (Huawei Tech. USA, USA)

Cube Lattice Decoder
Masoud Alghoniemy (Egypt-Japan University of Science and Technology (E-JUST), Egypt); Ahmed Tewfik (Univ. of Minnesota, USA)

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

Adaptive MMSE Multiuser Detection (A-MMSE-MUD) in Asynchronous Cooperative CDMA
**Networks**

Athar Qureshi (University of Greenwich, UK, United Kingdom); Triantafyllos Kanakis (University of Greenwich, United Kingdom); Charan Litchfield (University of Greenwich, United Kingdom); Predrag Rapajic (University of Greenwich, United Kingdom)

**S6: Next Generation Networks and Services**

*An Adaptive Call Admission Control Scheme with Complete Bandwidth Sharing for Multi-Class Traffic in Wireless Networks*

Sharifa Al Khanjari (Sultan Qaboos University, Oman); Bassel Arafeh (Sultan Qaboos University, Oman); Khalid Day (Sultan Qaboos University, Oman); 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 (National Taiwan University, Taiwan); Zsehong Tsai (National Taiwan University, Taiwan)

*Cloud Architecture for Tight Interaction with the Real World and Deep Sensor-Data Aggregation Mechanism*

Hidetaka Aoki (Hitachi, Ltd., Japan); Hiroaki Shikano (Hitachi, Ltd., Japan); Michitaka Okuno (Central Reserach Lab., Hitachi, Ltd., Japan); Yuji Ogata (Hitachi, Ltd., Japan); Hiroki Miyamoto (Hitachi, Ltd., Japan); Yuji Tsushima (Hitachi, Ltd., Japan); Takeki Yazaki (Hitachi,Ltd, Japan); Shinji Nishimura (Central Research Lab., Hitachi. Ltd., Japan)

**SS1: Special Session on RFID technologies & the Internet of things**

*Technique for Preventing DoS Attacks on RFID Systems*

Deepak Tagra (Dalhousie University, Canada); Md. Musfiq Rahman (Dalhousie University, Canada); Srinivas Sampalli (Dalhousie University, Canada)

*Implementation of Global Antipassback Feature in Physical Access Control Applications using Contactless Smart Tags*

Kutay A Ersen (Bogazici University, Turkey)

*An Empirical Study of DRER Model in Managing Temporal RFID Data*

Lijuan Niu (Dalian Maritime University, P.R. China)

*CoMoSeR: Cost Model for Security-Enhanced RFID-Aided Supply Chains*

Matthieu-P. Schapranow (Hasso Plattner Institute, Germany)

*Use of RFID technology and CCOW standard for patient traceability*

Sergio Sbrenni (Istituto Superiore di Sanita, Italy); Tommaso Piazza (ISMETT, Italy); Velio Macellari (Istituto Superiore di Sanità, Italy)

*High Performance RFID tags for item-level Tracing Systems*

Luca Catarinucci (University of Salento, Italy); Riccardo Colella (University of Salento, Italy); Mario De Blasi (University of Lecce, Italy); Vincenzo Mighali (University of Salento, Italy); Luigi Patrono (University of Salento, Italy); Luciano Terricone (University of Lecce, Italy)
**S7: Mobile and Wireless Communications IV**

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

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

**Analysis of Session Key Negotiation & Distribution Protocols in Wireless Sensor Networks**
Muhammad Adeel (Queen Mary, University of London, United Kingdom)

**A Stable Management Algorithm for Clustering in Mobile Ad-Hoc Networks (MANETs)**
Abdel Rahman H. Hussein (Anglia Ruskin University, Saudi Arabia)

**Power management of video transmission on wireless networks for multiple receivers**
Christos Bouras (University of Patras, Greece); Kostas Stamos (Un. of Patras and RACTI, Greece); John Zaoudis (University of Patras and RACTI, Greece)

---

**S8: Network Operations and Management**

**Anomaly detection using baseline and K-means clustering**
Moisés Fernando Lima (State University of Londrina, Brazil); Bruno Zarpelão (University of Campinas (UNICAMP), Brazil); Lucas Dias H Sampaio (State University of Londrina, Brazil); Joel J. Rodrigues (IT, University of Beira Interior, Portugal); Taufik Abrão (State University of Londrina, Brazil); Mario Lemes Proença Jr. (State University of Londrina, Brazil)

**Analysing network-wide anomalies using dependency graphs and baseline**
Alexandre Amaral (School of Electrical and Computer Engineering, University of Campinas (UNICAMP), Brazil); Bruno Zarpelão (University of Campinas (UNICAMP), Brazil); Joel J. Rodrigues (IT, University of Beira Interior, Portugal); Leonardo Mendes (State University of Campinas - UNICAMP, Brazil); Mario Lemes Proença Jr. (State University of Londrina, Brazil)

**SPOP: A Service Provider Oriented Peer-to-peer architecture**
Radwane Saad (TELECOM ParisTech (ex ENST), France); Ahmed Serhrouchni (ENST, France); Ken Chen (University of Paris, France)

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

---

**SS2: Special Session on Ad-Hoc and Sensor Networks**

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

**Application of Soft-Decision Error Control in Wireless Sensor Networks**
Jasvinder Singh (Cork Institute of Technology, Ireland)

**A Fastest Multi-Hop Routing Scheme for Information Dissemination in Vehicular Communication**
Friday, September 24

09:00 - 10:30

**SYM1/I: Symposium on Environmental Electromagnetic Compatibility (EEMC) I**

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

*Some Integrals and Integral Transformations of Lightning Pulse Functions*
Vesna Javor (University of Nis, Faculty of Electronic Engineering, 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 (University of Split, FESB, Croatia)

**SS3: Special Session on QoS in Wired and Wireless Networks**

*A comparison of methods for fault prediction in the broadband networks*
Željko Deljac (HT-Hrvatski telekom, Croatia); Marijan Kunstic (University of Zagreb, Croatia)

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

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

*MEEAC: An Enhanced Scheme for Supporting QoS granularity by Multipath Explicit Endpoint Admission Control*
Saeed Osali (Amirkabir university of technology, Iran); Reza Farahbakhsh (University of Isfahan, Iran); Amir Mahdi Abdolhosseini (Amirkabir University of Technology (Tehran Polytechnic), Iran)

15:00 - 16:30

**S10: Signal Processing and Coding**

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

*A Comparison Study of Binary and Non-Binary LDPC Codes Decoding*
Distributed Cooperative Space-Time Coding with Parallel Interference Cancellation for Asynchronous Wireless Relay Networks
Abdulghani M Elazreg (Loughborough university UK, United Kingdom); Usama Mannai (Loughborough University, United Kingdom); Jonathon A Chambers (Loughborough University, United Kingdom)

De Bruijn Sequences for Spread Spectrum Applications: Analysis and Results
Susanna Spinsante (Università Politecnica delle Marche, Italy); Stefano Andrenacci (Università Politecnica delle Marche, Italy); Ennio Gambi (Università Politecnica delle Marche, Italy)

System Level Analysis and Experimental Characterization of Frequency Pulling in PLLs
Manchiaina Ranaivoniarivo (NXP Semiconductors, France)

Rapid Synchronization of RTP Multicast Sessions Using the Retransmission Server
Zlatan Begic (BH Telecom Joint Stock Company Sarajevo, Bosnia and Herzegovina); Himzo Bajric (BH Telecom, Joint Stock Company, Sarajevo, Bosnia and Herzegovina); Mladen Kos (Faculty of Electrical Engineering and Computing, Zagreb, Croatia)

Ontology Based Road Service Task Manager and Route Planning System
Tea Marasović (FESB, Split, Croatia); Renco Marasovic (Županijske ceste, Split, Croatia)

Cooperative Proxies Network Performance Analysis
Danilo Merlanti (University of Ferrara, Italy); Gianluca Mazzini (University of Ferrara, Italy)

Fault diagnosis in Optical access network using Bayesian Network
Robert Moštak (HT-Hrvatski telekom, Croatia); Željko Deljac (HT-Hrvatski telekom, Croatia); Boris Spahija (HT-Hrvatski telekom, Croatia)

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

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 (Polytechnic University of Tirana, Albania); Rozeta Miho Mitrushi (Polytechnic University of Tirana, Albania); Vladi Kolici (Polytechnic University of Tirana, Albania); Olimpjon Shurdi (Polytechnic University of Tirana, Albania); Algenti Lala (Polytechnic University of Tirana, Albania)

Electromagnetic field exposure of 13.56 MHz RFID loop antenna
Damir Senic (University of Split, Croatia); Dragan Poljak (University of Split, FESB, Croatia); Antonio Sarolic (Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, Croatia)

The effect of 1800 MHz electromagnetic field on oxidative stress parameters in earthworms (Eisenia fetida)
Sanja Banjeglav (Faculty of Electrical Engineering and Computing, University of Zagreb, Croatia); Kresimir Malaric (University of Zagreb, Croatia); Mirta Tkalec (Faculty of Science, Croatia)

Modeling of canonical surfaces used for mutual coupling reduction
S11: QoS and Resource Management

**Leverage simulation for analyzing CBSE/MDD development process of embedded systems**
Branka Pavetić (Infodom, Croatia); Rikard Land (Mälardalen University, Sweden)

**Analysis of QoS requirements for delivering IPTV over WiMAX technology**
Adrian Shehu (Polytechnic University of Tirana, Albania); Arianit Maraj (Polytechnic University of Tirana, Albania); 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**
Dusko Lukac (Rheinische Fachhochschule Köln gGmbH - University of Applied Sciences, Germany); Michael Schäfer (Deutsche Telekom AG, Germany)

S12: Interfaces and Communication Protocols

**Passive RTT Measurement during Connection Close**
Peter Dorfinger (Salzburg Research Forschungsgesellschaft mbH, Austria); Alexander Moosbrugger (Salzburg Research Forschungsgesellschaft mbH, Austria)

**Simulation Platform for Video Streaming Evaluation**
Mario Montagud (Universidad Politécnica de Valencia, Spain); Fernando Boronat (Instituto de Investigación para la Gestión Integrada de Zonas Costeras, Spain); Vicente Vidal (Universidad Politécnica de Valencia, Spain)

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

**Impact of Content Storage and Retrieval Mechanisms on the Performance of Vehicular Delay-Tolerant Networks**
Bruno Silva (Instituto de Telecomunicações, University of Beira interior, Portugal); Vasco Soares (Superior School of Technology of the Polytechnic Institute of Castelo Branco, Portugal); Mario Lemes Proença Jr. (State University of Londrina, Brazil); Joel J. Rodrigues (IT, University of Beira Interior, Portugal)

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

SYM1/III: Symposium on Environmental Electromagnetic Compatibility (EEMC) III

**Time domain analytical modeling of finite length thin wire embedded in homogeneous lossy medium**
Silvestar Sesnic (University of Split, Croatia); 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 (University of Split, Croatia); Dragan Poljak (University of Split, Croatia)
Simulations of Electromagnetic Field Coupling to Transmission Lines using FEKO and SuzANA Codes

Damir Senic (University of Split, Croatia); Dragan Poljak (University of Split, FESB, 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

Zoran Blazevic (University of Split, Croatia); Maja Šekelja (University of Split, Croatia); Ante Jurišić (University of Split, Croatia); Katarina Pandžić (University of Split, Croatia)

Saturday, September 25

09:00 - 10:30

SS4: Special Session on Green Networking

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 RAS, Russia); Soren Forchhammer (Technical University of Denmark, Denmark)

Source coding technique for energy efficient IEEE 802.15.4 wireless sensor networks

Joze Mohorko (University of Maribor, Slovenia); Uros Pesovic (University of Maribor, Slovenia); Peter Planinsic (, Slovenia); 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 Köklükaya (Sakarya University, Turkey); Murat Cakir (Sakarya University, Turkey)

TLPER: Threshold Based Load Balancing Protocol for Energy Efficient Routing in WSN

Sohail Jabbar (Bahria University Islamabad Pakistan, Pakistan)
<table>
<thead>
<tr>
<th>Session ID</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>1569327735</td>
<td>VDSL2 According to the 998 Frequency Plan</td>
<td>Vodolsak</td>
</tr>
<tr>
<td>1569336429</td>
<td>Design and Implementation of a Web 2.0 Service Platform for DPWS-based Home-Appliances in the Cloud Environment</td>
<td>Chung-Ming Huang; Hao-Hsiang Ku; Yen-Wen Chen</td>
</tr>
<tr>
<td>1569335786</td>
<td>Round-trip delay in HFC network</td>
<td>Igor Bedalov; Milutin Kapov</td>
</tr>
<tr>
<td>156933081</td>
<td>&quot;Sono Io®&quot;: an access control solution for the silver market</td>
<td>Luca Cremona; Federico A. Pigni</td>
</tr>
<tr>
<td>1569330441</td>
<td>Routing Efficiency Comparison of Chord and PChord Routing Protocols</td>
<td>Muhammad Azam; Muhammad Adeel</td>
</tr>
<tr>
<td>1569329569</td>
<td>Secure Remote Maintenance and Control in an OSGi-aware e-Health Environment</td>
<td>Vedran Galetić; Kresimir Jurasovic; Domagoj Drenjanac; Hrvoje Maračić; Irena Širanović; Sasa Desic</td>
</tr>
<tr>
<td>1569330359</td>
<td>Resource based Compensation Protocol for Web Services</td>
<td>Miro Zdilar</td>
</tr>
<tr>
<td>1569329535</td>
<td>A Novel Test Architecture for Wireless Communication System</td>
<td>Sihai Zhang; Lingjuan Han; LinHong Yu; Wuyang Zhou</td>
</tr>
<tr>
<td>1569333303</td>
<td>Elderly Monitoring Through Innovative D-TV Interfaces</td>
<td>David Baldo; Giuliano Benelli; Giovanni Luca Daino; Roberto Sesto; Riccardo Zambon</td>
</tr>
<tr>
<td>Title</td>
<td>Authors</td>
<td></td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Predicting Energy Consumption of Mobile Devices</td>
<td>Jukka M J Manner; Le Wang; Ville Koponen</td>
<td></td>
</tr>
<tr>
<td>A Quaternary Prediction Technique for MPEG Video Compression</td>
<td>Stefania Bartoletti; Antonio Cremonini; Silvio Granata; Marco Marchini; Alessandro Morelli; Antonio Pedroni; Gianluca Mazzini</td>
<td></td>
</tr>
<tr>
<td>Interactive Services for Digital Terrestrial Television</td>
<td>Elisa Benetti; Gianluca Mazzini</td>
<td></td>
</tr>
<tr>
<td>SoftAccel: A Software-only IP Network Application Accelerator</td>
<td>Huiyong Zhang; Yuebin Bai; Zhi Li; Wei Wu; Huixing Peng; Xiaoxia Liu</td>
<td></td>
</tr>
<tr>
<td>Face Recognition in Video Based on One Frontal View</td>
<td>Marijan Zivic</td>
<td></td>
</tr>
<tr>
<td>Secure Initial Configuration of Resource Constrained Wireless Smart Objects</td>
<td>Colin P. O'Flynn</td>
<td></td>
</tr>
<tr>
<td>Processing CDRs and IPDRs for detection purpose in Fraud management systems</td>
<td>Igor Bjelik</td>
<td></td>
</tr>
<tr>
<td>New Mapping Technique for Steganography in Fingerprint Images</td>
<td>Hanan Mahmoud</td>
<td></td>
</tr>
<tr>
<td>New Algorithmic Countermeasures for Differential Power Analysis Attacks on Smart Cards</td>
<td>Hanan Mahmoud</td>
<td></td>
</tr>
<tr>
<td>Spanning tree optimization for energy balancing in wireless sensor networks</td>
<td>Andras Olah; Janos Levendovszky; Gergely Treplan; Gábor Kiss</td>
<td></td>
</tr>
<tr>
<td>ID</td>
<td>Title</td>
<td>Authors</td>
</tr>
<tr>
<td>------------</td>
<td>----------------------------------------------------------------------</td>
<td>----------------------------------------------</td>
</tr>
<tr>
<td>1569335989</td>
<td>Store and Forward Fax over IP for Multicast System</td>
<td>Abdul Haseeb</td>
</tr>
<tr>
<td>1569330049</td>
<td>Modeling and analysis of SMS isolation function in Signaling Transfer Point</td>
<td>Goran Horvat; Tomislav Hečimović</td>
</tr>
<tr>
<td>1569330503</td>
<td>MIMO implementation in evolved HSPA systems</td>
<td>Davor Grgurevic; Dina Simunic</td>
</tr>
<tr>
<td>1569336315</td>
<td>Improving Handoff throughput in 3GPP UMTS/WLAN Interworking Architecture in Black hole condition</td>
<td>Majid Fouladian</td>
</tr>
<tr>
<td>156933503</td>
<td>PCPD: a Framework for MAC Layer Misbehavior Studying in IEEE 802.11 Networks</td>
<td>Arash Modaresi; Mozhgan Mohebbi; Mehdi Dehghan</td>
</tr>
<tr>
<td>156932143</td>
<td>Efficient Redundant Reader Elimination in RFID Networks using Reader Weight and Coverage</td>
<td>Nazish Irfan</td>
</tr>
<tr>
<td>1569328481</td>
<td>An Enhanced Two Sided Adaptive Jitter Buffer Algorithm to Maximize the Overall Voice Quality over Multi-rate WLANs</td>
<td>Mehmet Fatih Tuysuz</td>
</tr>
<tr>
<td>156933289</td>
<td>Performance Evaluation of JTCP over IEEE 802.16 Wireless Networks</td>
<td>Alessandro Andreadis; Sandro Rizzuto; Riccardo Zambon</td>
</tr>
<tr>
<td>1569336989</td>
<td>MPLoM: Multi-Providers Location Based Services Integration Platform on Mobile Devices</td>
<td>Roula Karam; Rima Kilany</td>
</tr>
<tr>
<td>1569325057</td>
<td>Test Driven Development Method in Software Development Process</td>
<td>Denis Duka</td>
</tr>
<tr>
<td>Registration</td>
<td>Title of Presentation</td>
<td>Authors</td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------------</td>
<td>---------</td>
</tr>
<tr>
<td>1569327416</td>
<td>A Novel Middleware in Support of Mobility and QoS Management over Heterogeneous Wireless Networks</td>
<td>Liren Zhang; Hesham Elsayed</td>
</tr>
<tr>
<td>1569336995</td>
<td>Alarm Correlations Role in Service Monitoring</td>
<td>Oliver Jukić; Marijan Kunstic</td>
</tr>
<tr>
<td>1569333249</td>
<td>Analysis of the Next Generation Network Regulatory Framework</td>
<td>Mario Weber; Velimir Švedek</td>
</tr>
<tr>
<td>1569335609</td>
<td>Assessment methodology of QoS of transport networks in UMTS</td>
<td>S. Vasiljevic</td>
</tr>
<tr>
<td>1569330309</td>
<td>Robust Synchronization Plan for SDH Network</td>
<td>Jeremy Mpele</td>
</tr>
<tr>
<td>1569333205</td>
<td>Accessing Active Measurement for Delay Distribution of Single and Multi Hop Ad Hoc Wireless Network</td>
<td>Syeda Naqvi</td>
</tr>
<tr>
<td>1569333415</td>
<td>A feasibility study on M2M business in Korean Telecommunications Market</td>
<td>JungHwan Lee</td>
</tr>
<tr>
<td>1569330357</td>
<td>A new steganographic method for color and grayscale images based on opacity</td>
<td>Arezoo Torkaman; Mohamadreza Razzazi</td>
</tr>
<tr>
<td>1569327601</td>
<td>Performance Measurement and Analysis of ZRP for MANETs Using Network Simulator- QualNet</td>
<td>Mankanala SreeRangaRaju</td>
</tr>
<tr>
<td>1569333275</td>
<td>A DS-SS Radar Implementation on Software Defined Radio</td>
<td>Susanna Spinsante; Stefano Andrenacci; Giovanni Pelliccioni; Ennio Gambi</td>
</tr>
<tr>
<td>ID</td>
<td>Title</td>
<td>Authors</td>
</tr>
<tr>
<td>------------</td>
<td>----------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>1569333765</td>
<td>Knowledge within Time-Series Databases</td>
<td>Faraj El-Mouadib; Fathalla Elmansuri</td>
</tr>
<tr>
<td>1569328125</td>
<td>Test strategy in One track software development method</td>
<td>Darko Galicic; Željka Car</td>
</tr>
<tr>
<td>1569330053</td>
<td>A Client/Server architecture for intelligibility tests</td>
<td>Honorine Mujyambere</td>
</tr>
<tr>
<td>1569332883</td>
<td>Proactive copper pair troubleshooting utilizing Principal Component Analysis</td>
<td>Boris Spahija; Željko Deljac</td>
</tr>
<tr>
<td>1569332312</td>
<td>Reliability of Ariadne Protocol in Ambulatory Wireless Sensor Deployment</td>
<td>Drake Patrick Mirembe; Fisseha Mekuria; Maybin Muyeba</td>
</tr>
<tr>
<td>1569329099</td>
<td>Greening Radio Access Networks Using Distributed Base Station Architectures</td>
<td>Georgios Kardaras; Jose Soler; Lars Dittmann</td>
</tr>
</tbody>
</table>

**Workshop on: Distributed Component - Based Embedded Software Systems**

<table>
<thead>
<tr>
<th>ID</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>1569353001</td>
<td>Pride</td>
<td>Ivica Crnković, Séverine Sentilles, Thomas Leveque, Mario Žagar, Ana Petričić, Juraj Feljan, Luka Lednicki, Josip Maras</td>
</tr>
<tr>
<td>1569353003</td>
<td>Classification and Survey of Component Models</td>
<td>Ivica Crnković, Aneta Vulgarakis, Mario Žagar, Ana Petričić, Juraj Feljan, Luka Lednicki, Josip Maras</td>
</tr>
<tr>
<td>1569347345</td>
<td>phpModeler - an approach to Reverse Engineering legacy Web applications</td>
<td>Josip Maras, Ana Petričić, Maja Štula</td>
</tr>
</tbody>
</table>