PRELIMINARY LIST OF ACCEPTED PAPERS / SESSIONS

GENERAL CONFERENCE

WIRELESS COMMUNICATIONS

ID	Title	Authors
1570464995	Statistics of the Product of Three Nakagami-m Random Variables with Applications	Dragana Krstić; Mihajlo Stefanović; Petar Nikolić; Sinisa Minić
1570464787	FPGA-Based Reconfigurable Multi-channel Variable Fractional Rate DDC for Satellite Communication	Gourab Maiti; Dileep K G
1570465026	Case study of spatial channel model for vehicle-tovehicle communication in roadside scattering environment	Hanene Zormati; Jalel Chebil; Jamel Bel Hadj Tahar
1570466269	BER Based OFDM PAPR Estimation	Adriana Lipovac; Ante Mihaljević
1570467095	User-centric JT-CoMP for High Altitude Platforms	Muhammad D Zakaria; David Grace; Paul D Mitchell; Tareq M. Shami
1570461263	Car to X Communication with Optical Wireless as Support and Alternative to RF-Technologies for Roads and Future Transportation	Pasha Bekhrad; Hristo Ivanov; Erich Leitgeb
1570461820	Optimizing communication costs based on the Evolved Variational Message Passing algorithm using an enhanced version of Junction Tree in wireless networks	Kaouther Hedhly; Mohamed Laaraiedh; Fatma Abdelkefi; Mohamed Siala
1570464763	Mitigation of Nonlinear Amplifier Distortion for CP-OFDM Based Cognitive Radio Systems	Lajnef Hanen; Maha Cherif; Moez Hizem; Ridha Bouallegue

5G TECHNOLOGIES

ID	Title	Authors
1570463852	Outage Probability of Direct and Relay Assisted Transmission in NOMA Systems with Energy Harvesting	Nouha Dahi; Noureddine Hamdi
1570464823	Application of Two-Constant Feedback Quasi Orthogonal Space Time Block Coding in Massive Receiver Antennas	Abdulghani M Elazreg; Ramadan Elsabae; Mohamed Shrud; Ahmad Kharaz
1570461703	Iterative SDR-based Hybrid Precoding Algorithm for mmWave massive MIMO Systems	Moufida Hajjaj; Ameni Mejri; Ridha Bouallegue; Salem Hasnaoui
1570460228	Fast Transport for Edge Computing in 5G Networks	Åke Arvidsson; Lars Westberg
1570461284	Enhanced Extended Access Barring Mechanism for Massive Machine-Type Communications in 5G Context	Sirine Ben Alaya; Med Taher Missaoui; Mounir Frikha
1570461190	Singular Value Thresholding based Adaptive Approach for Hybrid Beamforming in MmWave Massive MIMO-OFDM Transmitters	Ameni Mejri; Moufida Hajjaj; Salem Hasnaoui; Ridha Bouallegue

NETWORK DESIGN AND MANAGEMENT

1570459741	Designing a private CDN with an off-sourced network infrastructure: model and case study	Claudia Canali; Andrea Corbelli; Riccardo Lancellotti
1570461610	NEMO: A Flexible Java-based Network Emulator	Luca Davoli; Yanina Protskaya; Luca Veltri
1570462995	KISS methodologies for network management and anomaly detection	Carlos Vega; Javier Aracil; Eduardo Magaña
1570467191	Message Format and Field Semantics Inference for Binary Protocols Using Recorded Network Traffic	Gergő Ládi, Levente Buttyan and Tamás Holczer

OPTICAL COMMUNICATIONS

1570461615	Development of a Three Dimensional Multi-Service/Multi-Diagonal Code for OCDMA System	Nabiha Jellali ; Moez Ferchichi ; Monia Najjar Bounouh
1570462585	Optimization of the Optical Power Budget for Various WDM-PON Network Designs with Traffic Protection Securing	Rastislav Róka
1570460156	Research of PAM-4, DB, NRZ and RZ for Implementation in Next-Generation PONs	Sandis Spolitis; Inna Kurbatska; Vjaceslavs Bobrovs

MACHINE LEARNING APPLICATIONS

1570464576	A community driven approach for click bait reporting	Darius Bufnea; Diana Șotropa
1570460359	Annotating Exam Questions Through Automatic Learning Concept Classification	Damir Pintar; Domagoj Begušić; Frano Škopljanac-Mačina; Mihaela Vranić
1570461268	Using the user's recent browsing history for personalized query suggestions	Ioan Badarinza; Adrian Sterca; Florian Boian
1570461560	A Recommendation System for Shared-Use Mobility Service	Eduardo Lúcio Lasmar, Jr.; Renata Rosa; Demóstenes Zegarra Rodríguez
1570465038	Extending the Configurability of the Comprehensive Computational Model for MCI/ Frailty and Functional Decline Risk Detection, to Integrate Various Combined Behaviour Variation and Risk Recognition Methods	Vladimir D. Urošević; Marina Andrić; Christos Tatsiopoulos; Milan Vukićević

SIGNAL PROCESSING AND CODING

1570465049	Minutiae Detection by Enhancement of Fingerprint Images in Spatial and Wavelet Domain inside ROI	Indrit Enesi; Algenti Lala; Elma Zanaj; Sanije Cela
1570461706	Development of the Decision Support System to Plan the Reverse Logistics in Automotive Industry	Irina Makarova; Ksenia Shubenkova; Anton Pashkevich
1570458874	Network-assisted DASH by Utilizing Local Caches at Network Edge	Antti Heikkinen
1570459245	Comparison study on H.264/AVC, H.265/HEVC and VP9 coded video streams for service IPTV	Tadeus Uhl; Krzysztof Nowicki; Janusz Henryk Klink; Christian Hoppe
1570461664	Deploying Time-based Sampling Techniques in Software-Defined Networking	Solange Rito Lima; João Marco C. Silva; David Teixeira
1570467018	Improving a Parametric Model for Speech Quality Assessment in Wireless Communication Systems	Demóstenes Zegarra Rodríguez; Gabriel F. Pivaro; Renata Rosa; Gabriel Mittag; Sebastian Möller

1570472776	Adaptive Switching Method with AMC and FSS	Shun Kojima, Takashi Akao, Koya Watanabe, Masato Katsuno, Kazuki Maruta and Chang-Jun Ahn

SOFTWARE DEVELOPMENT METHODS

1570465104	A Simulink-Based Rapid Prototyping Workflow for Optimizing Software/Hardware Programming	Asma Rebaya; Kaouther Gasmi; Salem Hasnaoui
1570466125	Improving Software Fault Prediction with Threshold Values	Raed Shatnawi

SPECIAL SESSION ON AD-HOC&SENSORS NETWORKS AND IoT

1570461084	An Efficient Multi-Group Key Management Protocol for Internet of Things	Mohamed Ali Kandi; Hicham Lakhlef; Abdelmadjid Bouabdallah; Yacine Challal
1570465042	Hybrid AF/DF based MAC protocol over shadowed Channels for Wireless Sensor Networks	Amira Ben Ammar; Ali Dziri; Michel Terré; Habib Youssef
1570465139	TDMA Slot Assignment for Interference of Overhearing by Eavesdroppers in Wireless Sensor Networks	Hiroaki Higaki; Masahiro Okuri
1570458914	Fountain codes Data Estimation within Bayesian model Classification in Wireless Sensor Network	Fatma BelAbed; Ridha R. Bouallegue, B.
1570460725	Adaptive Traffic Light Control System Based on WSN: Algorithm Optimization and Hardware Design	Khaled Zaatouri; Mohamed hechmi Jeridi; Tahar Ezzedine

SPECIAL SESSION ON ON CLOUD COMPUTING

1570459432	Sequential Randomization load balancing for Fog Computing	Roberto Beraldi; Hussein Alnuweiri
1570464198	Modeling for a QoS-Efficient Real-Time Video Conferencing System in the Cloud	Aklilu D Tesfamicael; Vicky Liu; Ernest Foo; William Caelli

SPECIAL SESSION ON QoS IN WIRED AND WIRELESS NETWORKS

1570460802	TDMA scheduling strategies for vehicular ad hoc networks: from a distributed to a centralized approach	Mohamed Elhadad; Paul Muhlethaler; Anis Laouiti
1570461698	Content-agnostic web browsing quality assessment	Janusz Henryk Klink; Pawel Bardowski; Tadeus Uhl
1570464780	DVB-T2 coverage area in Albanian allotments using existing Analog TV Transmitting Antennas	Bexhet Kamo; Elson Agastra; Shkelzen Cakaj
1570461562	Quantifying the Quality Improvement of MIMO Transmission System in VoIP Communications	Gabriel F. Pivaro; Renata Rosa; Demóstenes Zegarra Rodríguez; Gabriel Mittag; Sebastian Moller

SPECIAL SESSION ON SECURITY AND DIGITAL FORENSICS

1570458147	Two Countermeasures against Reaction Attacks on LEDApkc and other QC-MDPC and QC-LDPC based McEliece Cryptosystems in ARQ Setting	Peter Farkaš
1570458637	A Token-based Protocol for Securing MQTT Communications	Marco Calabretta; Riccardo Pecori; Luca Veltri

1570460546	Intrusion Detection Using Data Fusion and Machine Learning	Mohamed hechmi Jeridi; Hacen Khlaifi; Amira Zrelli; Amine Bouatay; Tahar Ezzeddine
1570460606	Malware Detection using Opcode Trigram Sequence with SVM	Amr Elkhawas; Nashwa Abdelbaki
1570466679	SEnSE - An Architecture for a Safe and Secure Integration of Safety-Critical Embedded Systems	Kai Höfig; Amir Klug
1570461613	LiaaS: Lawful Interception as a Service	Mehrnoosh Monshizadeh; Vikramajeet Khatri; Mohammadali Varfan; Raimo Kantola
1570461711	Evaluation of Authentication Based Elliptic Curve Cryptography in wireless sensor networks in IoT Context	Balkis Bettoumi; Ridha Bouallegue

SPECIAL SESSION ON SMART ENVIRONMENTS AND IoT

1570460086	A Smart Precision-Agriculture Platform for Linear Irrigation Systems	Jacopo Aleotti; Michele Amoretti; Alessandro Nicoli; Stefano Caselli
1570460779	A Packet Routing Technique for IoT Based on Least Delay Paths Estimated Through the Measurements of Packet Arrival Rate and Length	Joao Marcos Silva; Shusaburo Motoyama
1570461565	Calculating the Influence of Tagging People on Sentiment Analysis	Breno Ramos; Eduardo Lúcio Lasmar, Jr.; Demóstenes Zegarra Rodríguez; Renata Rosa; André Grutzmann
1570461608	Micro-Expressions Detection Based on Micro-Motions Dense Optical Flows	Sergiu Cosmin Nistor; Adrian Sergiu Darabant; Diana Borza

SPECIAL SESSION ON GREEN NETWORKING AND COMPUTING

1570457027	A fuzzy-logic based energy-efficient clustering algorithm for the wireless sensor networks	Quan Wang; Deyu Lin; Pengfei Yang; Zhiqiang Zhang
1570463759	SeDuCe: a Testbed for Research on Thermal and Power Management in Datacenters	Jonathan Pastor; Jean-Marc Menaud
1570460788	QoS-aware Energy-Efficient Algorithms for Ethernet Link Aggregates in Software-Defined Networks	Pablo Fondo Ferreiro; Miguel Rodríguez Pérez; Manuel Fernández Veiga
1570463232	Decentralised Multi-Agent based Demand Response for Smart Grid with Inclusion of Green Data Centre	Rasoul Rahmani; Irene Moser; Antonio L Cricenti; Hediyeh Karimi

WORKSHOP ON ROBOTIC AND ICT ASSISTED WELLBEING

1570456401	Development and Applications of a 3D Printed Walking Robot - Big-Foot	Ivan Chavdarov; Bozhidar Naydenov; Snezhana Kostova; Aleksandar Krastev; Anna Lekova
1570461686	Social Robot NAO as a self-regulating didactic mediator: a case study of teaching/learning numeracy	Eleni Vrochidou; Aouatif Najoua; Chris Lytridis; Michail Salonidis; Vasileios Kaburlasos; George A Papakostas
1570464139	Object Classification for Child Behavior Observation in the Context of Autism Diagnostics Using a Deep Learning-based Approach	Mihael Presecan; Frano Petric; Zdenko Kovacic

SPECIAL SESSION ON ADVANCED EDUCATIONAL TECHNOLOGIES

1570461450	Development and evaluation of word embeddings for morphology rich languages	Daniel Vasić; Emil Brajković

1570461515	Usage of the blended learning model at the Faculty of education	Matea Markić; Tomislav Volarić
1570461689	Time spent online as an online learning behavior variable in a blended learning environment with an ontology-based intelligent tutoring system	Ines Šarić; Ljiljana Šerić

SPECIAL SESSION ON ENVIRONMENTAL ELECTROMAGNETIC COMPATIBILITY (EEMC)

1570457556	On the Frequency Domain Analysis of Straight Thin Wire Radiating Above a Lossy Half-Space	Dragan Poljak; Milica Rančić
1570461637	An Analysis of the Distribution of Inter-Flash Time Intervals in the Area of the Säntis Tower	Antonio Sunjerga; Marcos Rubinstein; Gerhard Diendorfer; Farhad Rachidi
1570461641	Transient Impedance of Interconnected Wind Turbine Grounding Systems	Antonio Sunjerga; Quanxin Li; Dragan Poljak; Marcos Rubinstein; Farhad Rachidi
1570464389	Electric Field Radiated in the Air by a Dipole Antenna Placed Above a Two-Layered Lossy Half Space: Comparison of Plane Wave Approximation with the Modified Image Theory Approach	Anna Susnjara; Vicko Doric; Dragan Poljak
1570466736	FDTD Modeling of the Landmine Detection via Ground Penetrating Radar Response	Silvestar Sesnic
1570464395	Stochastic Thermal Dosimetry for the Three Compartment Head Model	Anna Susnjara; Mario Cvetković; Hrvoje Dodig; Dragan Poljak

POSTERS/ ABSTRACTS SESSION

1570461463	Stimulus Artifact Removal using Matrix Pencil Method	Zied Mizouri; Khalil El Khamlichi Drissi; Lenaïc Monconduit; Christophe Pasquier; Benoît Sion; François Gabrielli
1570464246	Towards reliable IoT: Testing LoRa communication	Hrvoje Rudeš; Ivana Nizetic Kosovic; Mario Cagalj; Toni Perkovic

PROFESSIONAL PROGRAM

24TH WORKSHOP ON INFORMATION AND COMMUNICATION TECHNOLOGIES

1570461042	Teaching Requirements Engineering to Computer Science Graduate Students. An Experience Report	Grigoreta Cojocar; Adriana Guran
1570461468	LIMO (LIve MOnitor): an eye-catching open-source tool for real-time visualization of network traffic	Denis Ferraretti; Stefano Bonino; Filippo Turetta; Gianluca Mazzini
1570461474	Fundamental Computer Skills: Integrating Technology into Teaching for Preschool Children in Romania	Adriana Guran; Anamaria Moldovan; Grigoreta Cojocar
1570461591	Using MEC, Machine Learning and Network slicing to Adapt Resource Utilization According to Network Needs	Marwa Abderrahim; Asma Ben Letaifa; Sami Tabbane
1570461713	QoE anomaly detection based on Ensemble Learning and Feature Selection	Abar Tasnim; Asma Ben Letaifa; Sadok El Asmi
1570461717	Energy-Efficient Transmission Technique based on Dijkstra Algorithm for decreasing energy consumption in WSNs	Maha Abderrahim; Hela Hakim; Hatem Boujemaa; Farid Touati
1570461905	Sentiment Analysis of Movie Reviews	Katarina Anđela Vrgoč; Matija Pauković; Mladen Russo; Matko Saric

1570476264	A Low-Cost Energy Conservation Strategy For M2M Differentiated Services in 5G/HetNets	Kaouther Taleb Ali
1570461274	Acquiring Digital Skills and New Qualifications by Introducing Modern Technologies in Education	Snezhana Kostova; Ivan Chavdarov; Aleksandar Krastev; Anna Lekova; Maya Dimitrova
1570467216	Internet of Things (IoT): A Way to Improve Humans Wellbeing	George A Papakostas; Antonios Sourmelis; Anestis Staikopoulos; Venetis Kanakaris
1570467218	Improving Management of Logistics By Integrating Blockchain, IoT and Drones Towards Wellbeing	Venetis Kanakaris; Anestis Staikopoulos ; Antonios Sourmelis
POSTERS / DEMO PROFESSIONAL SESSION		
1570461543	Image-based 3D reconstruction: exploring workflow with open-source software	Ivan Todoric; Ana Kuzmanić Skelin; Mirjana Bonkovic