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Monday, June 6, 09:00 - 12:00

Tutorial I

Open RF-digital interfaces and wireless ontologies

Room: Plenary

Chair: Todor Cooklev (IPFW, USA)

Monday, June 6, 12:00 - 13:30

Lunch

Monday, June 6, 13:30 - 16:30

Tutorial 2

Big Data and Telecom: Telecom Analytics

Room: Plenary

Chair: Mehmet Ulema (Manhattan College, USA)

Making decisions based on data collection and analysis is certainly nothing new. In today's high-bandwidth, cloud-based interconnected world armed with advances in hardware and software, data can be captured and stored at massive scales and analyzed at breathtaking speeds. Data analytics helps the decision makers gain new insights and understanding by relying on data analyses and statistical methods. Telecomm service providers and network operators are blessed to be in the middle of this big data. But, they need to be able to take advantage of it by using data analytics in their decision making processes. This talk will discuss and review issues of real-time analytics on network operations, cost reductions, customer experience, revenue assurance, personalized marketing and more.

Monday, June 6, 17:00 - 21:00

Welcome Reception

Room: Coffee Break Lounge

Tuesday, June 7, 09:00 - 09:30

Opening Plenary

Room: Plenary

Tuesday, June 7, 09:30 - 10:30

Keynote 1

LiFi Attocell Networking - Taking the Small Cell Concept to a New Level

Room: Plenary

Chair: Mehmet Ulema (Manhattan College, USA)

Tuesday, June 7, 10:30 - 11:00

Coffee Break

Room: Coffee Break Lounge

Tuesday, June 7, 11:00 - 12:30

Communication and Information theory

Room 1

Chair: Sylwester Sobolewski (USAF AFMC AFLCMC / WNYEDA, USA)

Code-Aware Quantizer Design for Finite-Precision Min-Sum Decoders

Zeina Mheich (Telecom Bretagne, France); Thien Truong Nguyen-Ly (CEA-LETI, France); Valentin Savin (CEA LETI, France); David Declercq (ETIS ENSEA/univ. of Cergy-Pontoise/CNRS, France)

Information Theory and Optimization of Analog Feedback Communication Systems

Anatoliy Platonov (Warsaw University of Technology, Poland)

An Algorithm for Synthesis of Families of Binary Signals of Length $2n$ with Optimal Periodic Correlation Properties

Borislav Bedzhev (115 Universitetska Str. & University of Ruse "A. Kanchev", Bulgaria); Mihail Iliev (University of Ruse, Bulgaria)

Time-Invariant Spatially Coupled Low-Density Parity-Check Codes with Small Constraint Length

Marco Baldi, Massimo Battaglioni, Franco Chiaraluce and Giovanni Cancellieri (Università Politecnica delle Marche, Italy)

Spatial Modulation GFDM: A Low Complexity MIMO-GFDM System For 5G Wireless Networks

Ersin Öztürk, Ertugrul Basar and Hakan A. Çırpan (Istanbul Technical University, Turkey)

Open Flow and Software-Defined Networks

Room 2

Chair: Agata Manolova (Technical University of Sofia, Bulgaria)

On Throughput Estimation with TXOP Sharing in IEEE 802.11ah Networks

Evgeny Khorov (Skolkovo Institute of Science and Technology & IITP RAS, Russia); Vyacheslav Loginov and Andrey Lyakhov (IITP RAS, Russia)

Method for resource allocation of virtualized network functions in hybrid environment

Larysa Globa (National University of Technology of Ukraine "KPI" Kiev, Ukraine); Mariia Skulysh and Svitlana Sulima (National Technical University of Ukraine "Kyiv Polytechnic Institute", Ukraine)

Video-on-Demand System Architecture with ALTO-SDN Integration

Cihat Cetinkaya and Muge Sayit (Ege University, Turkey)

Database as a Service in a Public Administration Datacenter

Enrica Salbaroli (Lepida SpA, Italy); Elisa Benetti (LepidaSpA, Italy); Andrea Fiocchi (Lepida S.p.A., Italy); Gianluca Mazzini (University of Ferrara and LepidaSpA, Italy)

Adaptive Data Caching for Provisioning Sensors-As-A-Service

Subarna Chatterjee (Indian Institute of Technology Kharagpur, India); Sudip Misra (Indian Institute of Technology-Kharagpur, India)

Tuesday, June 7, 12:30 - 14:00

Lunch Break

Tuesday, June 7, 14:00 - 15:30

Mobile and Wireless Communications and Networking I

Room 2

Chair: Liljana Gavrilovska (Ss Cyril and Methodius University - Skopje, Macedonia, the former Yugoslav Republic of)

Effective and Efficient Compound Feature Vectors Applicable To Discrimination Of Any Conceivable Bandpass Modulated Waveforms *** %

Sylwester Sobolewski (USAF AFMC AFLCMC / WNYEDA, USA); William L Adams, Jr. (United States Air Force, USA); Ravi Sankar (University of South Florida, USA)

A Self-Organizing Downlink ICIC Scheme for LTE *** *

Akın Soysal, Bengi Mizrahi, Irfan Ali, K. Berker Loğoğlu and Arda Akman (Argela Technologies, Turkey)

Data Detection Based Iterative Channel Estimation for Coded SM-OFDM Systems *** %

Yusuf Acar (Istanbul Kultur University, Turkey); Mehmet Merih Leblebici and Hakan Dogan (Istanbul University, Turkey); Erdal Panayirci (Kadir Has University, Turkey)

Delay Spread Evaluation of HF Channels based on Ray Tracing *** *)

Radu Mitran (Land Forces Academy, Romania); Mircea Stanic (Land Forces Academy)

Waste Heat Transport Models for Green Clouds ***+\$

Andriy Prof. Dr. habil. (Dr. Sci.II) Luntovskyy (BA Dresden University of Cooperative Education & Staatliche Studienakademie BA Dresden, Germany); Igor Melnyk (NTUU KPI Kyiv, Ukraine); Larysa Globa (National University of Technology of Ukraine "KPI" Kiev, Ukraine)

Autonomous learning model for achieving multi cell load balancing capabilities in HetNet ***B#5

Plamen Trifonov Semov, Pavlina Koleva and Krasimir Tonchev (Technical University of Sofia, Bulgaria); Alben Mihovska (Aarhus University, Denmark); Vladimir K. Poulkov (Technical University of Sofia, Bulgaria)

Special session eHealth and Networking for Advanced Cancer Detection I

Room 1

Chair: Kristina Bliznakova (Technical University of Varna, Bulgaria)

The special session "eHealth and Networking for Advanced Cancer Detection" aims to bring together and establish networking amongst researchers working in the field of biomedical imaging, image processing, computational modeling and simulations, bioinstrumentation and medical imaging technologies, focused on eHealth and Networking approaches for advanced cancer detection.

GUI for CT Image Segmentation via Active Contours ***+)

Veska Georgieva and Evetoslav Ermakov (Technical University, Bulgaria)

Fuzzy logic controller development for classification of patient status based on physiological parameters ***; \$

Boban Temelkovski (Military Academy General Mihailo Apostolski, Macedonia, the former Yugoslav Republic of); Jugoslav Achkoski (Military Academy General Mihailo Apostolski, Macedonia, the former Yugoslav Republic of); Rumen Stainov (University of Applied Sciences Fulda, Germany)

Tuesday, June 7, 15:30 - 16:00

Coffee Break

Room: Coffee Break Lounge

Tuesday, June 7, 16:00 - 17:30

Mobile and Wireless Communications and Networking II

Room 2

Chair: Anatoliy Platonov (Warsaw University of Technology, Poland)

Performance Analysis of Cooperative Spatial Modulation with Multiple-Antennas at Relay (,)
Gökhan Altın, Ertugrul Basar, Umit Aygözü and Mehmet E. Çelebi (Istanbul Technical University, Turkey)

Outage Probability and Base Station Coverage in Low Power Wide Area Networks (, \$
Hendrik Lieske and Sebastian Rauh (Friedrich-Alexander Universität Erlangen-Nürnberg (FAU), Germany); Joerg Robert (Friedrich-Alexander University Erlangen-Nuremberg, Germany); Albert Heuberger (Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany)

1.2 Gbps radio link implementation in THz band based on IEEE 802.11n standard (, -)
Teodor Narytnik (Ukrainian Academy of Sciences, Ukraine); Leonid Uryvsky (National Technical University of Ukraine "Kyiv Polytechnic Institute", Ukraine); Serhiy Osypchuk (Institute of Telecommunication Systems & National Technical University of Ukraine, Ukraine); Oleksii Lutchak (Ukrainian Academy of Sciences, Ukraine)

Hybrid access control with cell range expansion for LTE-A heterogeneous networks (, %\$\$
Aleksandar Ichkov (Ss. Cyril and Methodius University in Skopje & Wireless Networking Group (WinGroup), Macedonia, the former Yugoslav Republic of); Vladimir Atanasovski (Ss Cyril and Methodius University in Skopje, Macedonia, the former Yugoslav Republic of); Liljana Gavrilovska (Ss Cyril and Methodius University - Skopje, Macedonia, the former Yugoslav Republic of)

Basic Limits for LTE-Advanced Radio and HetNet Optimization in the Outdoor-to-indoor Scenario (, %\$)
Sofia Sousa (Universidade da Beira Interior & Instituto de Telecomunicações, Portugal); Fernando J. Velez (University of Beira Interior & Instituto de Telecomunicações, Portugal); Alben Mihovska (Aarhus University, Denmark); Ramjee Prasad (Aalborg University, Denmark)

Special session eHealth and Networking for Advanced Cancer Detection II

Room 1

Chair: Zhivko Bliznakov (Technical University of Varna & University of Patras, Bulgaria)

Tuesday, June 7, 18:00 - 21:00

Social Event Day 2

Room: Plenary

Wednesday, June 8, 09:00 - 10:00

Patron's Keynote

Room: Plenary

Chair: Vladimir K. Poulkov (Technical University of Sofia, Bulgaria)

Wednesday, June 8, 10:00 - 11:00

Keynote 2

The cost of information: How many bits per processing energy?

Room: Plenary

Chair: Erdal Panayirci (Kadir Has University, Turkey)

Wednesday, June 8, 11:00 - 11:30

Coffee Break

Room: Coffee Break Lounge

Wednesday, June 8, 11:30 - 13:00

Cognitive Radio and Networking

Room 1

Interference Identification based on Long Term Spectrum Monitoring and Cluster Analysis

Vladimir K. Poulkov, Iliia Iliev, Boncho Bonev, Peter Petkov and Kliment Angelov (Technical University of Sofia, Bulgaria)

An ARQ-Based Protocol for Cooperative Spectrum Sharing in Underlay Cognitive Radio Networks

Sema Sarac and Umit Aygölü (Istanbul Technical University, Turkey)

Dynamic Spectrum Allocation in Cognitive Radio: Throughput Calculations

Ronald Nissel and Markus Rupp (TU Wien, Austria)

Effect of Inter-Block-Interference-free Region on Compressed Sensing Based Channel Estimation in TDS-OFDM Systems

Mehmet Basaran (Istanbul Technical University, Turkey); Serhat Erkucuk and Habib Senol (Kadir Has University, Turkey); Hakan A. Çırpan (Istanbul Technical University, Turkey)

Multimedia Networks and Applications

Room 2

Chair: Gianluca Mazzini (University of Ferrara and LepidaSpA, Italy)

Efficient Storage and Replication Solutions for Healthcare Applications

Andreea Mihaela Pintilie (Politehnica University of Bucharest, Romania); Elena Apostol and Ciprian Dobre (University Politehnica of Bucharest, Romania)

Estimating Energy Consumption during Live Migration of Virtual Machines

Kateryna Rybina and Alexander Schill (Technische Universität Dresden, Germany)

Prediction and Preemptive Control of Network Congestion in Distributed Real-Time Environment

Ramandeep Dhanoa and Waqar Haque (University of Northern British Columbia, Canada)

Combined EEG and EMG fatigue measurement framework with application to hybrid brain-computer interface

Agata Manolova (Technical University of Sofia, Bulgaria); Georgi Tsenov (Technical University of Sofia, Bulgaria); Violeta Lazarova (TU-Sofia, Bulgaria); Nikolay Neshov (Technical University of Sofia, Bulgaria)

Face Recognition Based on Subject Dependent Hidden Markov Models

Petia Georgieva (University of Aveiro, Portugal); Petya Dinkova (TU-Sofia, Bulgaria); Agata Manolova (Technical University of Sofia, Bulgaria); Mariofanna Milanova (University of Arkansas at Little Rock, USA)

Wednesday, June 8, 13:00 - 14:00

Lunch

Room: Plenary

Wednesday, June 8, 14:00 - 15:30

Special Session on Enhanced Living Environments

Room 1

Chair: Nuno M. Garcia (Universidade da Beira Interior & Instituto de Telecomunicações, Universidade Lusófona de Humanidades e Tecnologias, Portugal)

The special session on Enhanced Living Environments (ELE) aims to be a forum for interdisciplinary discussions and dissemination of original contributions on ELE architectures, protocols, components, interfaces, technologies, data acquisition and data mining techniques providing better quality of service (QoS) and quality of experience (QoE), and enhanced performance analysis. The topic is highly related to Internet of Things (IoT), Ambient Assisted Living (AAL), Cloud Computing, 5G and future network architectures, wireless sensor networks (WSN), and many others towards standards and interoperable approaches for the future AAL/ELE platforms. Investigations, discussions and experiences from different stakeholders' perspective on AAL/ELE technologies are welcome.

Development of Low Cost Energy Efficient Home Sensing Internet Gateway: A pilot study

Andrej Grguric (Ericsson Nikola Tesla d. d., Croatia); Miran Mosmondor (Ericsson Nikola Tesla, Croatia); Darko Huljenic (Ericsson Nikola Tesla d. d., Croatia)

IoT Agro-Meteorology for Viticulture Disease Warning

George Suciu (Politehnica University of Bucharest & BEIA Consult International SRL, Romania); Octavian Fratu and Alexandru Vulpe (University Politehnica of Bucharest, Romania); Victor Suciu (BEIA / UPB, Romania); Cristina Butca (Politehnica University of Bucharest & Beia Consult International, Romania)

Interoperability in IoT Infrastructures for Enhanced Living Environments

Ennio Gambi, Laura Montanini, Laura Raffaeli and Susanna Spinsante (Università Politecnica delle Marche, Italy); Lambros Lambrinos (Cyprus University of Technology, Cyprus)

Quality of Life Context Influence Factors Improvement Using Houseplants and Internet of Things

Milos Ljubojevic (Academic and Research Network of Republic of Srpska, Bosnia and Herzegovina); Martina Zoric (University of Novi Sad, Serbia); Mitar Simic (University of Banja Luka, Bosnia and Herzegovina); Zdenka Babić (Faculty of Electrical Engineering, University of Banja Luka, Bosnia and Herzegovina)

A Data Fusion Model to Evaluate Computerized Pain Diaries on Anxiety and Depression Assessment

Nuno Pombo (University of Beira Interior & BSAFE - Lab, Portugal); Nuno M. Garcia (Universidade da Beira Interior & Instituto de Telecomunicações, Universidade Lusófona de Humanidades e Tecnologias, Portugal); Kouamana Bousson (University of Beira Interior, Portugal)

On Avoiding Panic by Pedestrian Route Recommendation in Smart Spaces

Marin Lujak and Sascha Ossowski (Universidad Rey Juan Carlos, Spain)

AALaaS Intelligent Backhuls for P2P Communication in 5G Mobile Networks

Rumen Stainov (University of Applied Sciences Fulda, Germany); Rossitza Ivanova Goleva, Seferin Mirtchev and Dimitar Atamian (Technical University of Sofia, Bulgaria); Mircho Mirtchev (Technical

Wednesday, June 8, 15:30 - 16:00

Coffee Break

Room: Coffee Break Lounge

Wednesday, June 8, 16:00 - 17:45

Sensor and IoT Communications

Room 1

Chair: Todor Cooklev (Indiana University Purdue University Fort Wayne, USA)

Evaluation and Managing Sensor Network Connectivity through a Set of Graph Theory Methods

Tsenka Lazarova Stoyanova and Christos Antonopoulos (University of Patras, Greece); Rozalina Dimova (Technical University - Varna, Bulgaria); Stavros Koubias and George Papadopoulos (University of Patras, Greece)

Partitioning Algorithm for a Resource-Constrained Robotic Skin Sensor Network

Mikhail Vilgelm and Gabriel Neamtu (Technical University of Munich, Germany); Philipp Mittendorfer, Gordon Cheng and Wolfgang Kellerer (Technical University of Munich)

Formal Verification of Connectivity Management Models in M2M Communications

Anastas Nikolov, Ivaylo Atanasov and Evelina Pencheva (Technical University of Sofia, Bulgaria)

M2M Energy Efficiency Routing Protocol MLCMS by Using 6LoWPAN Based on IoE

Wasan Twayej (BRUNEL UNIVERSITY, United Kingdom); Hamed Saffa Al-Raweshidy (University of Brunel, United Kingdom)

Smart Geophone Sensor Network for Effective Detection of Rainfall Induced Landslides

Deekshit V n (Amrita Viswavidya Peetham, India); Maneesha Ramesh (Amrita University, India); Gj Nair (Amrita Vishwa Vidyapeetham University & Amritapuri, India); Indukala P k (Research Associate, India)

Special Session on Emerging Wireless and Optical technologies for Future Mobile Applications

Room 2

Chair: Ertugrul Basar (Istanbul Technical University, Turkey)

The increasing demand for higher data rates and network capacity from next generation wireless communications systems lead the researchers to investigate the new parts of the frequency spectrum as an alternative to radio frequency (RF) bands for high-speed transmission of the digital data. One of the main reasons for this evolution is the bottleneck in which RF based wireless communications has arrived. Highly dense nature of the current RF spectrum and the interference caused by frequency reusing make the search for alternatives to RF communications inevitable. Visible light communications (VLC) is a promising new technology for next generation wireless communications systems due to its advantages over radio frequency (RF) based systems such as the operation in unregulated and very wide spectrum, no licensing requirements, low cost operation and less interference to RF sensitive devices. More importantly, since the VLC systems combine lighting and communications, the available lightning infrastructure can be used in VLC systems and there are no health concerns related to visible light once the eye safety is ensured. Light emitting diodes (LEDs) can be effectively used in indoor environments for both illumination and communications purposes. Therefore, VLC appears as a green technology for future wireless standards. VLC concept has attracted significant attention from the researchers in the past few years; however, this area still requires more extensive research efforts to unlock its potential for next-generation communication systems. The aim of this special session is to bring experts from academia and industry to present their up-to-date research findings on VLC technologies.

Pilot Assisted Channel Estimation for Asymmetrically Clipped Optical OFDM over Visible Light Channels

Hakan Dogan (Istanbul University, Turkey); Osman Sayli (Recep Tayyip Erdoğan University, Turkey); Erdal Panayirci (Kadir Has University, Turkey)

Analysis of Multiplexed Streaming via Periodic Reservations of Wireless Channel

Evgeny Khorov (Skolkovo Institute of Science and Technology & IITP RAS, Russia); Anton Kiryanov (IITP RAS & MIPT, Russia); Andrey Lyakhov (IITP RAS, Russia)

An Improvement of EDFA efficiency by using Ytterbium co-doped optical fibers

Ingrida Lavrinovica (Riga Technical University, Latvia); Jurgis Porins (Riga Technical University & Faculty of Electronic and Telecommunications, Latvia)

Classification of Teletraffic Service Devices By K-NN, ANFIS and ANN Classifiers

Ivelina Balabanova, Georgi Georgiev and Pencho Penchev (Technical University of Gabrovo, Bulgaria); Stela Kostadinova (Technical University Varna, Bulgaria); Rozalina Dimova (Technical University - Varna, Bulgaria)

QoS-Aware Ant Routing with Security Constraints in Optical Fibre Networks by Using RGB Pheromones

Mohammed M. Saeed Abdullah Al-Momin (Engineerig Technical College/Basra, Iraq); Pavlos Lazaridis (University of Huddersfield, United Kingdom); John Cosmas (Brunel University, United Kingdom); Zaharias D Zaharis (Aristotle University of Thessaloniki, Greece); Albena Mihovska (Aarhus University, Denmark); Stavros Kalafatis (Texas A&M University, USA); Ian A Glover (University of Huddersfield, United Kingdom)

Wednesday, June 8, 19:00 - 23:00

Banquet

Social Event

Room: outside

Thursday, June 9, 09:00 - 10:30

Panel Session

Room: Plenary

Chair: Mehmet Ulema (Manhattan College, USA)

Thursday, June 9, 10:30 - 11:00

Coffee Break

Room: Coffee Break Lounge

Thursday, June 9, 11:00 - 12:00

Demo Papers

Room 2

Chair: Larysa Globa (National University of Technology of Ukraine "KPI" Kiev, Ukraine)

Secured Wireless Network with Mobile Sensors for Environmental Monitoring 'B#5

Stanislav Valuisky and Oleksander Lysenko (National Technical University of Ukraine "Kyiv Polytechnic Institute", Ukraine); Oleksander Dakayev (National Technical University of Ukraine "Kyiv Polytechnic Institute", Ukraine); Yurii Dobrov (Institute of Telecommunication, Ukraine)

An approach to the Internet of Things system with nomadic units developing '&&-

Larysa Globa (National University of Technology of Ukraine "KPI" Kiev, Ukraine); Nataliia Gvozdetska (National Technical University of Ukraine "KPI", Ukraine); Andrii Zakharchuk (National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Ukraine); Ivan Ishchenko and Oleh Zvonarov (National Technical University of Ukraine "KPI", Ukraine)

Gigabit wireless system in 130 GHz band based on 802.11n transceivers '&' (

Teodor Narytnik (Ukrainian Academy of Sciences, Ukraine); Leonid Uryvsky (National Technical University of Ukraine "Kyiv Polytechnic Institute", Ukraine); Oleksii Lutchak (Ukrainian Academy of Sciences, Ukraine); Serhiy Osypchuk (Institute of Telecommunication Systems & National Technical University of Ukraine, Ukraine)

Data Detection Based Iterative Channel Estimation for Coded SM-OFDM Systems

Yusuf Acar (Istanbul Kultur University, Turkey); Mehmet Merih Leblebici and Hakan Dogan (Istanbul University, Turkey); Erdal Panayirci (Kadir Has University, Turkey)

Poster Papers

Room: Coffee Break Lounge

Study on Generic Functionality for Quality of Service Control in M2M communications '&' -

Ivaylo Atanasov, Evelina Pencheva and Anastas Nikolov (Technical University of Sofia, Bulgaria)

Energy-aware Sensor-to-sink Binding in WSNs '&' ((

Haidar Safa, Fatima K. Abu Salem and Ali Tawbeh (American University of Beirut, Lebanon)

Structure Synthesis of ANFIS classifier for Teletraffic System Resources Identification '&' (-

Ivelina Balabanova and Georgi Georgiev (Technical University of Gabrovo, Bulgaria); Stela Kostadinova (Technical University Varna, Bulgaria); Rozalina Dimova (Technical University - Varna, Bulgaria)

A Group-Based Fast Media Independent Handover Control Scheme for Proxy Mobile IPv6 (GB-FMIH-PMIPv6) '&' (

Chung-Ming Huang and Duy-Tuan Dao (National Cheng Kung University, Taiwan); Meng-Shu Chiang (Far East University, Taiwan); Pham Chau (National Cheng Kung University, Taiwan)

Teletraffic System Performance Evaluation Based on LABVIEW Virtual Instruments Development '&' -

Ivelina Balabanova and Georgi Georgiev (Technical University of Gabrovo, Bulgaria); Stela Kostadinova (Technical University Varna, Bulgaria); Rozalina Dimova (Technical University - Varna, Bulgaria)

Extending the Lifetime of WSNs with Maximum Energy Selection Algorithm (MESA) '&*' (

Korhan Cengiz (Trakya University, Turkey); Tamer Dag (Kadir Has University, Turkey)

Topology Reduction at the Physical Layer for Wireless Sensor Networks '&*' -

Tsenka Lazarova Stoyanova and Christos Antonopoulos (University of Patras, Greece); Rozalina Dimova (Technical University - Varna, Bulgaria); Stavros Koubias and George Papadopoulos (University of Patras, Greece)

Thursday, June 9, 12:00 - 13:30

Communication and Information theory

Room 1

Chair: Pavlos Lazaridis (University of Huddersfield, United Kingdom)

Prototype of Analog Feedback Communication System: First Results of Experimental Study

Anatoliy Platonov, Ievgen Zaitsev, Borys Jeleński, Leszek Opalski, Jan Piekarski and Henryk Chaciński (Warsaw University of Technology, Poland)

Comparative analysis of algorithms to search for the shortest path in a maze

Ivaylo Penev, Milena Karova and Neli Kalcheva (Technical University of Varna, Bulgaria)

Spatial Correlation Model for Two Isotropic Sources in Non-Isotropic AOA-Distribution Environment

Sava Savov (Technical University of Varna & Technical University of Varna, Bulgaria)

Gigabit wireless system in 130 GHz band based on 802.11n transceivers

Teodor Narytnik and Oleksii Lutchak (Ukrainian Academy of Sciences, Ukraine); Leonid Uryvsky (National Technical University of Ukraine "Kyiv Polytechnic Institute", Ukraine); Serhiy Osypchuk (Institute of Telecommunication Systems & National Technical University of Ukraine, Ukraine)

Resource and Network Management

Room 2

Chair: Rozalina Dimova (Technical University - Varna, Bulgaria)

Development of Performance of OSPF Network by Using SDN Concepts

Hasanein Ahmed Hasan Al-Jaberi (Brunel University London, United Kingdom); John Cosmas (Brunel University, United Kingdom); Zaharias D Zaharis (Aristotle University of Thessaloniki, Greece); Pavlos Lazaridis (University of Huddersfield, United Kingdom); Sinan Khwandah (Southampton Solent University, United Kingdom)

Improving Fairness of Network Bandwidth Allocation for Virtual Machines in Cloud Environment

Zhiyuan Shao, Kai Zhang and Hai Jin (Huazhong University of Science and Technology, P.R. China)

Investigating the Sensitivity of First-Order Recursive DSP Networks

Kamelia Nikolova and Zlatka Valkova-Jarvis (Technical University of Sofia, Bulgaria)

Autonomous learning model for achieving multi cell load balancing capabilities in HetNet

Plamen Trifonov Semov, Pavlina Koleva and Krasimir Tonchev (Technical University of Sofia, Bulgaria); Albena Mihovska (Aarhus University, Denmark); Vladimir K. Poulkov (Technical University of Sofia, Bulgaria)

Thursday, June 9, 13:30 - 14:30

Lunch