TELSIKS Conference - The Thirteenth Edition in 2017

The thirteenth edition of TELSIKS, under the new name, *International Conference on Advanced Technologies, Systems and Services in Telecommunications* was held at the Faculty of Electronic Engineering, University of Niš, Serbia from October 18th to 20th, 2017. The conference was organized by the Faculty of Electronic Engineering, Niš and the Society for Microwave Technique, Technologies and Systems, under auspices of Serbian Ministry of Education, Science and Technological Development, in cooperation with the Academy of Engineering Sciences of Serbia, IEEE Serbia and Montenegro Section, Serbia and Montenegro IEEE MTT-S Chapter, Serbia and Montenegro IEEE Communications Chapter, Telecommunications Society of Serbia and Serbian ETRAN Society. Two IEEE societies: Antennas and Propagation Society (AP-S) and Microwave Theory and Technique Society (MTT-S), and IEEE Region 8 were technical co-sponsors of the Conference. The Conference Proceedings are published as IEEE publications, and included in IEEE Conference Publication Program (IEEE CPP), therefore all papers will be available through IEEE Xplore®.

For the past 24 years, the TELSIKS Conference scope has always been to provide a professional and scientific forum for engineers and research scientists from universities, research centers and industry, to support transfer of the research results into industry and to support activities devoted to making an appropriate environment for development of national ICT industry and the society in general. During the conference, participants have an ample opportunity to present research results and recent developments as well as current practices in engineering.

The Conference encompasses a wide spectrum of topics in the field of information and telecommunication technologies, systems and services. Broad areas are covered, ranging from modulation and coding to digital signal processing and multimedia, from microwave technique and electromagnetics to microwave electronics, from telecommunication technologies and systems to telecommunication networks and services, from antennas, propagation and radiolocation to wireless communications, from computer systems and internet technologies to electronics, communications and information technologies.

*Opening session: Prof. Dr. Bratislav Milovanović, Conference General Chair, Prof. Zoya Popovic (USA), Prof. David Thomas (UK), and Prof. N. Dončov (Serbia)*

This year, among all submitted scientific or application oriented contributed papers that were reviewed by the Review Board members, 95 papers were accepted for presentation. The conference program included scientific sessions, oral and poster, additional activities and rich social program. Every effort has been made to create a program that will encourage dialogue within an academic community from all over the world. To provide the Conference participants the first hand information on state-of-the-art in focused fields, each of 9 oral sessions started with invited keynote papers presented by today’s scientific leaders (Prof. David Thomas, *University of Nottingham, UK*; Dr. Martin Tiffen, *University of Bordeaux, France*; Dr. Jasmin Music, *University of Belgrade, Serbia*; Prof. Johannes Russer, *Technische Universität München, Germany*; Prof. Anja Skrivenik, *École Polytechnique Fédérale de Lausanne, Switzerland*; Prof. Liljana Gavrilovska, *St. Cyril and Methodius University in Skopje, Macedonia*; Prof. Predrag Ivaniš, *University of Belgrade, Serbia*; Prof. Aleksandar Jevremović, *Singidunum University, Serbia*; Prof. Zoran Bojković, *University of Belgrade, Serbia*; Prof. Fernando Álvarez Franco, *University of Extremadura, Spain*; Prof. Zora Konjović, *Singidunum University, Serbia*; Prof. Branka Jokanović, *University of Belgrade, Serbia*; Prof. Dušan Drajić, *University of Belgrade, Serbia*; Dr. Nikos Makris, *University of Thessaly, Greece*).
Chairs of Computational Electromagnetics session: D. Thomas, University of Nottingham, UK, J. Russer, Technical University of Munich, Germany, and N. Dončov, Conference TPC Chair, University of Niš, Serbia

Prof. D. Thomas, Prof. A. Skrivervik, and prof. F. Alvarez Franco presenting their invited papers

Poster session
Along with presentations of scientific papers, there were several additional events related to the scientific and professional trends in the world and in Serbia as well as to the applications of the latest ICT achievements in the industry in Serbia. The most important among them are:

- A plenary lecture “Near- and Far-Field Wireless Power Transfer” given by Prof. Zoya Popovic, University of Colorado, USA, which TELSIKS 2017 participants had the opportunity to attend after the opening ceremony.
- COST 1407 ACCREDIT Autumn Training school 2017, dedicated to the modelling and measurement of stochastic EM field, was organized within the TELSIKS Conference on October 18, 2017 also at the Faculty of Electronic Engineering.

- In parallel with the TELSIKS conference, Second Advanced Technology Forum was organized by City of Niš in partnership with the Nis Regional Chamber of Commerce, the Faculty of Electronic Engineering of the University of Nis, the National Employment Service Branch of Nis and the Advanced Technologies Cluster NiCat from October 17th to 19th 2017. The aim of the forum was to present all the economic, scientific, educational and institutional resources of the City of Niš in the area of advanced technologies.
- For the third time, International Professional Conference “Development and Implementation of Advanced Cable Services and Effective Business Models – DIACAS 2017”, with several topics: “Copyright, related and licensing rights - requirements and realities in the market Telecommunications in Serbia”, „Financial models for redistribution of media content - the situation in Serbia and experiences from countries in the region, “Objectives and activities of the International Commission of the Cable Operators Association of the Countries of South-East Europe”, was held on Thursday, October 19th. The conference was organized by PUKOS – Business Association of Cable Operators of Serbia and MTTS – Society for Microwave Technique, Technologies and Systems.
- Executive Committee Meeting of IEEE Serbia and Montenegro Section was organized on Wednesday, October 18th.

During the conference, participants were able to enjoy Niš’s rich culture and heritage. The venues for rich official social events have been selected to allow attendees to experience both tradition and modernity.

The official opening ceremony of the Conference was enriched by local ensemble “Niske devojke”, who performed Serbian traditional music. The Welcome Cocktail was a perfect opportunity to socialise with other attendees, while enjoying national drinks and food in a relaxed setting.

On the evening of Wednesday 18th October, a civic reception for conference delegates, hosted by Niš City Mayor at the City Hall, was enable participants to appreciate the growth and development of the city that is known as the city where Emperor Constantine the Great was born. After the reception, attendees had the opportunity to enjoy the musical and folklore performance which was arranged by the national cultural-art society “Abrašević”.

A plenary lecture by Prof. Zoya Popovic, University of Colorado, USA
A sightseeing tour was organized on Thursday 19th October giving the conference participants the opportunity to feel the spirit of the modern and the traditional Niš. Within the sightseeing tour they visited Mediana as one of the most important Serbian Late Antiquity archeological sites, built between III and the beginning of IV century, Niš Fortress, extant fortification of Turkish origin, dating from the first decades of the 18th century, Archeological Hall of National Museum of Niš, and Monument Scull Tower (unique monument in the world is 5 meters tall and it has inbuilt 952 human heads, raised by the Turks in 1813, after the defeat of the Serbian rebels led by Stevan Sindelić on Čegar, on May 31, 1809).
The 2017 conference dinner took place on Thursday 19th October in the restaurant Vidikovac, where all participants enjoyed fine cuisine, good beverages and exclusive live music by domestic musical ensemble “La Campanella”.

The TELSIKS conference organizers hope that all the attendees will remember this Conference as the successful one and that they have experienced the city in all its purity and greatness especially because of the people full of warmth, hospitality and enthusiasm even in difficult times. We hope that you will find professional and personal interest to participate in the next conference edition – TELSIKS 2019.

On behalf of the Organizing Committee,
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