

## TELSIKS Conference - The twelfth edition in 2015

The twelfth edition of TELSIKS Conference - *International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services* was held at the Faculty of Electronic Engineering, University of Niš, Serbia from October 14<sup>th</sup> to 17<sup>th</sup>, 2015. 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).

For the past 22 years, the 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.

This year, among all submitted scientific or application oriented contributed papers that were reviewed by the Review Board members, 80 papers were accepted for presentation. The conference program included scientific sessions, continuing poster sessions, 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 12 oral sessions started with an invited keynote paper presented by today's scientific leaders (*Prof. Dr. Piotr Slobodzian, Wroclaw University of Technology, Poland; Prof. Dr. Felix Yanovsky, National Aviation University, Ukraine; Prof. Dr. Dajana Cassioli, University of L'Aquila, Italy; Prof. Dr. Antonio Raffo, University of Ferrara, Department of Engineering, Italy; Prof. Dr. Roumen Kountchev, Faculty of Telecommunications at the Technical University of Sofia, Bulgaria; Prof. Dr. Octavian Fratu, University POLITEHNICA of Bucharest, Romania etc.*).



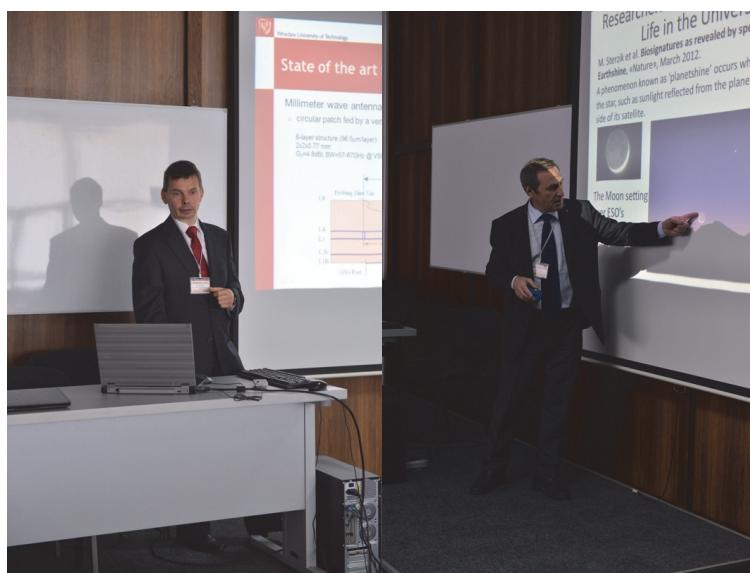
*Dean of the Faculty of Electronic Engineering, Prof. Dr. Dragan Janković, addresses participants during the opening session*



*Prof. R. Kountcheva's speech at Digital Signal Processing and Multimedia Session*



*Chairpersons of Microwave Electronics Session: Prof. Antonio Raffo, Italy; Prof. Vera Marković, Serbia and Prof. Olivera Pronić-Rančić, Serbia*



*Prof. Piotr Slobodzian and Prof. Felix Yanovsky present of their invited papers at Session Antennas, Propagation and Radiolaction*

Along with the presentation 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 about an academic career of a distinguished Serbian scientist Michael Pupin, given by Prof. Dušan Drajić from Serbia, which TELSIKS 2015 participants had the opportunity to attend after the opening ceremony;



*A plenary lecture 'Michael Pupin Academic Career' by Prof. Dušan Drajić*

- In parallel with the TELSIKS conference, project *Forum of Advanced Technologies – City of Niš Potentials* was organized by City of Niš - Office for Local Economic Development from October 13<sup>th</sup> to 14<sup>th</sup> 2015. Co-organizers were National Employment Service; Faculty of Electronic Engineering; Regional Chamber of Commerce Niš and NiCAT. 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 second time, International Professional Conference "*Development and implementation of advanced cable services and effective business models – DIACAS 2015*", with a topic: "Financial models in realization of re-distribution of media contents and development and implementation of advanced cable services in the country and region" was held on Thursday, October 15<sup>th</sup>. The conference was organized by PUKOS – *Business Association of Cable Operators of Serbia* and MTTS – *Society for Microwave Technique, Technologies and Systems*. The intention is to convene a conference with long-lasting tradition that will cover variety of current topics and issues in the field of cable broadcasting. Subtopics were: payment models related to author rights; contractual relationships with broadcasters; experiences in development and implementation of cable services and regulatory issues.

In addition to mentioned activities, Executive Committee Meeting of IEEE Serbia and Montenegro Section and IEEE Women in Engineering – Affinity Group of Serbia and Montenegro Section meeting, were organized as well.

A social program reach in events has contributed to the success of the Conference. The official opening of the Conference was followed by several songs performed by Bojana and Nikola Peković, who presented a new musical direction - a combination of classic and Serbian traditional music. The Conference participants had also a possibility to enjoy their great performance within a musical quartet in the evening concert after the performance of an Academic Choir of Students' Culture Centre, University of Niš. To experience the Serbian hospitality, the Technical Program Committee (TPC) members and invited authors were guests of the Mayor of the City of Niš in the City Hall. Most participants have taken an opportunity to enjoy a sightseeing tour and feel the spirit of the modern and the traditional Niš. Within the sightseeing tour they visited *Camp Red Cross*, *The Fortress of Niš*, dating back to the Turkish period, *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). Aiming to provide a possibility to enjoy fine cuisine,

good beverages and exclusive live music to all registered participants, a welcome cocktail on the first day and a conference dinner in the evening of the second day were organized.



*Reception at the Mayor of Niš*

The TELSIKS conference organizers hope that you remember this Conference as the successful one and that you 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 in participating the next conference edition – TELSIKS 2017 which will be held under the new name *International Conference on Advanced Technologies, Systems and Services in Telecommunications*.

On behalf of the Organizing Committee,  
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