



Report on the TELSIKS 2007 Conference

8th International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services – TELSIKS 2007 was held at the Faculty of Electronic Engineering in Niš, Serbia, on September 26-28, 2007. The series of biennial TELSIKS Conferences started in 1993. The first two conferences had national character and since 1997 the TELSIKS conference has become an international event and has received technical sponsorship from IEEE. The Faculty of Electronic Engineering, Niš, organized the first seven conferences. This year the National Society for Microwave Technique and Technologies has joined the Faculty of Electronic Engineering, Niš in organization of the Conference.

TELSIKS 2007 was organized under the technical co-sponsorship of the IEEE MTT-Society, IEEE Communications Society, IEEE AP-Society and IEEE Region 8, and in co-operation with IEEE Section of Serbia and Montenegro, IEEE MTT_S Chapter and IEEE Communications Chapter of Serbia and Montenegro as well as with National Society for Telecommunications and Society for ETRAN. The conference was also supported by Serbian Academy of Science and Art, Academy of Engineering Science of Serbia and Montenegro, Ministry of Science, and Ministry of Telecommunications and Information Society.

The Conference started on Wednesday, September 26, with an Opening ceremony. Prof. Bratislav Milovanovic, chairman of the Conference, gave a welcome speech to the conference participants. The welcome addresses were also given by academician Prof. Aleksandar Marinčić, Prof. Vladimir Katić, Chair of IEEE Section of Serbia and Montenegro, Prof. Zorica Pantić, Wentworth Institute of Technology, USA, Prof. Dragan Antić, dean of the Faculty of Electronic Engineering, Niš, as well as Prof. Aleksandra Smiljanić, Serbian Minister for Telecommunication and Information Society who officially opened the Conference.

After the Opening Ceremony, a plenary session was organized, containing two keynote lectures, given by Prof. Steve Maas, Applied Wave Research, Inc., USA and Prof. Mauricio Bozzi, University of Pavia, Italia.

Presentations of papers were organized within 12 regular and 8 poster sessions. The papers scheduled for presentation were accepted according to the opinion of at least three members of International Review Board. The papers cover a wide range of topics: RF and microwave technique, Electromagnetic compatibility, Antennas and propagation, Satellite Communications, Mobile communications, Classical cable and optical communications, Multimedia communications, Digital signal processing, Broadband wireless access, Telecommunication networks, Modulation and coding, Internet technologies, New telecommunication technologies and services, etc. In addition to the contributed papers, in each session at least one invited keynote paper was presented. The total number of papers scheduled for presentation was 135.



Opening session – Chair of the Conference Prof. B. Milovanović is giving the welcome speech, Chairmen: Prof. B. Kim, Prof. S. Maas, Prof. A. Marinčić and Prof. T. Berceli

Authors of the papers are scientists from the following countries all over the world: Belgium, Bosnia and Herzegovina, Bulgaria, Canada, China, Greece, Egypt, India, Iran, Italia, Libya, Hungary, Macedonia, Montenegro, Germany, Romania, Russia, Slovakia, Slovenia, Serbia, South Korea, Turkey, Ukraine, Switzerland, Spain, United Kingdom and USA.



A meeting with some of the invited authors

All accepted, contributed and invited, papers were published prior to the Conference. The proceedings, composed of two books and accompanied with a CD-ROM publication, were distributed to all registered participants. It is important to note that the Conference Proceedings will be distributed by the IEEE Conference Publications Program.

It is important to note that almost all members of IEEE MTT-S Chapter Serbia and Montenegro participated in organization of the Conference and/or presented their scientific papers.



“Microwave Technique I” session

In addition to the presentations of the papers, there were many other activities during the Conference.

On Wednesday September 26, a round table entitled „The Accreditation of Higher Education Institutions and Academic Curricula“ took place. The goal of this round table was to clarify forthcoming activities of the Commission on accreditation and quality evaluation in accreditation process of academic curricula and higher education institutions as well as to clarify the role and importance of developed software support to improve the efficiency and quality of accreditation and based on experience from the previous accreditation cycle of vocational studies and international experience, to clarify certain dilemmas in applying adopted standards, especially in the area of academic doctoral studies and study programs realized through distance learning.



A detail from the round table “The Accreditation of Higher Education Institutions and Academic Curricula”

Further, on Thursday September 27, two workshops took place. The first workshop was related to the Advances in Microwave and Optical Technology and Design. There were two lectures at the workshop: “Methods for Nonlinear RF Circuit Design and Analysis” given by Prof. Steve Maas, Applied Wave Research, Inc., El Segundo, California, USA and “Optical Generation of Microwave Signals” given by Prof. Tibor Berceli, Budapest University of Technology and Economics, Hungary.



Prof. T. Berceli is giving a lecture during the Workshop “Advances in Microwave and Optical Technology and Design”

The second workshop, held in Serbian, was organized in cooperation with the Serbian Engineering Chamber. Within this workshop members of the Serbian Engineering Chamber presented to the audience recent realized telecommunication systems in modern business buildings in Serbia. This workshop gathered attention not only of Serbian conference participants but also of telecommunication engineers and students of the final years at the Faculty of Electronic Engineering.

On Thursday September 27 there was organized a round table, with the subject “Digital Radio Broadcasting in Republic of Serbia until Year 2015”. The aim of this round table was consideration of the digital broadcasting introducing in Serbia, consideration of regulatory aspects as well as of the activities on definition and financing of further projects concerning digital broadcasting.



A detail from the round table “Digital Radio Broadcasting in Republic of Serbia until Year 2015”

Presentation of scientific journals was given on Wednesday September 26. The first journal presented was the newest issue of Microwave Review – Mikrotalasna Revija, published by National Society for Microwave Technique and Technologies and IEEE MTT-S Chapter of Serbia and Montenegro. Further, potential authors are invited to submit papers for the national journal Telekomunikacije (Telecommunications), published by Republic Telecommunication Agency since this year (formerly published by the National Society of Telecommunications).

On Wednesday September 26, a meeting of the Executive Committee of IEEE Section of Serbia and Montenegro and a meeting of IEEE Women in Engineering Chapter of Serbia and Montenegro were held.

On Thursday September 27, Jovan Filipović from the Serbian Ministry of Diaspora gave a presentation of the Ministry project „Scientific Partnership of Serbia and its Diaspora“.

A meeting of Serbian Society of Cable operators YU Cable was held on Friday September 28.

During the Conference, presentation of equipment of leading ICT companies: Ericsson, Telegroup and iNova were given.

As in the previous years, besides the technical scientific activities, the conference program included several social events. On the first Conference day, Prof. R. Bubanj, the rector of the University of Niš arranged the meeting with the invited authors at the University building. After the reception, a suitable concert in the Symphonic orchestra hall was organized for all conference participants. The concert was given by the Female Choir and Chamber Orchestra of the University of Niš. On the second day, between the morning and afternoon session, a sightseeing guided tour was arranged for all interested participants. They visited several interesting archaeological sites from Roman and Turkish time, as well as the modern part of the city. On the same day, a conference banquet in one of the best restaurants in the city was held. The participants and guests enjoyed a fine national cuisine, good beverages and exclusive live music including traditional songs and dances.



A detail from the conference dinner: Prof. S. Maas with his wife, Prof. B. Milovanović and Prof. B. Kim

TELSIKS 2007 gathered many people that work in the field of telecommunications and provided them with good opportunities for discussions, experience exchange and making new contacts. The conference attendees emphasized that both the professional part of the conference and the organizational part have left very good impressions. TELSIKS conference has been evaluated as a leading scientific conference in the field of modern telecommunication technologies in Central and Southeastern Europe. In addition, the participants have emphasized that they enjoyed a very pleasant atmosphere and outstanding hospitality during the Conference.

TELSIKS 2007 Chair and Chair of Serbia and Montenegro IEEE MTT-S Chapter,

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