

Report on TELSIS 2011 Conference

The Faculty of Electronic Engineering in Niš, Serbia had the honor and privilege of hosting for the tenth time International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services - TELSIS 2011 from October 5 to 8, 2011. The tradition of TELSIS conference dates from 1993. The first two conferences had national character. Increasing number of the participants from abroad, allowed organizers to bring the conference quality to a higher level. In 1997, the TELSIS Conference formally has acquired international character. Like the previous Conferences, TELSIS 2007 and TELSIS 2009, this year's event was organized jointly by the Faculty of Electronic Engineering Niš and national Society for Microwave Technique, Technologies and Systems, Serbia. TELSIS 2011 was organized under the technical co-sponsorship of the IEEE Microwave Theory and Technique Society (MTT-S), IEEE Antennas and Propagation Society (AP-S) and IEEE Region 8 and held in co-operation with IEEE Section of Serbia and Montenegro, Serbia and Montenegro IEEE MTT-S Chapter and IEEE Chapter Communications, as well as with Telecommunications Society of Serbia, Society for ETRAN and Academy of Engineering Sciences of Serbia. The conference was also supported by Serbian Academy of Sciences and Arts, and Government of the Republic of Serbia - Ministry of Education and Science.

The official start of the Conference was the Opening ceremony held on Wednesday, October 5. After a welcome speech of Prof. Bratislav Milovanović, the chairman of the Conference, the participants and numerous guests were addressed by Prof. Nataša Nešković, Chair of Serbia and Montenegro IEEE Section, Prof. Magdalena Salazar Palma, President of IEEE Antennas and Propagation Society, Prof. Dejan Popović, a member of Serbian Academy of Sciences and Arts, Prof. Dragan Antić, dean of the Faculty of Electronic Engineering, Niš, as well as Prof. Miroljub Grozdanović, rector of University of Niš. Within the opening session a plenary talk “*Next-Generation Metamaterials for Unprecedented Microwave Systems*” was given by Prof. Christophe Caloz, Ecole Polytechnique de Montreal, Canada. It was followed by a suitable musical performance of a famous Serbian opera singer Oliver Njego.

The main part of the Conference program included presentations of the scientific papers, some of which were invited papers, written by the renowned scientists from all over the world. The paper topics covered the fields of 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.



IEEE Antennas and Propagation Society President, Prof. M. Salazar Palma, addresses participants during opening session



Prof. Christophe Caloz at TELSIS 2011

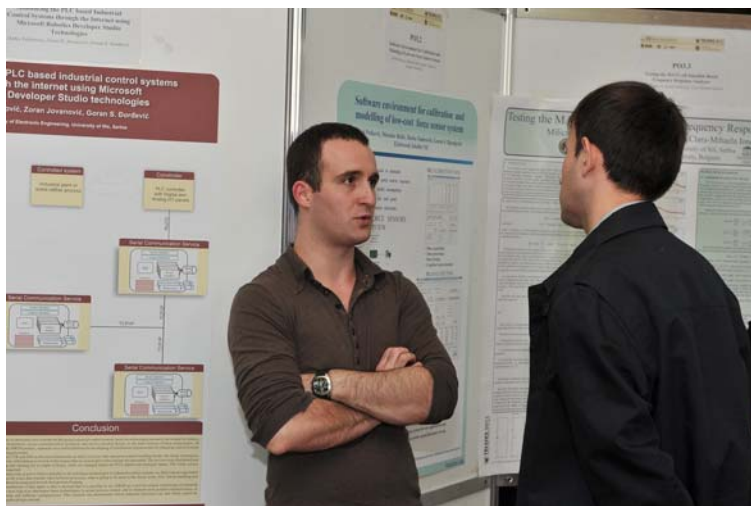
This year's conference has sparked great interest. All submitted scientific and application-based manuscripts were evaluated by at least two reviewers from International Review Board. Conference Program Committee summarized all Review Reports and made final decision about the status of the paper. Total number of the papers selected for presentation was 162, 19 of which were invited papers presented at the beginning of related sessions. Authors of the papers are scientists from the following countries: Australia, Belgium, Bosnia and Herzegovina, Bulgaria, United Kingdom, Greece, Denmark, India, Iran, Italy, Israel, Japan, Rep. of Korea, Canada, China, Hungary, Macedonia, Germany, Romania, Russia, Slovenia, Serbia, South Africa, Taiwan, Turkey, Croatia, Czech Republic, Spain, Switzerland, Sweden, France, Finland, UAE, USA. During this three-day conference, 14 regular sessions and 8 poster sessions were organized.

All papers scheduled for presentation were published prior to the Conference. The two-volume proceedings and a CD-ROM publication were distributed to all registered participants. The TELSIS 2011 conference proceedings will be included in the IEEE Conference Publications Program (CPP) as well as in IEEE Xplore. All of the Conference papers will be indexed in the IET INSPEC database.

As the previous TELSIS conferences, this year's conference was not just a scientific event, but also an event which included many activities and meetings covering different important topics in the field of telecommunications.



Prof. K.R. Rao at Session "Image Processing"



A detail from Poster session

A round table was also included in the Program of the conference. This year's round table was focused on actual and very important Serbian topic “*ICT in EU and Serbia: State-of-the-Art and Future Steps*”, and was held in Serbian language and organized by Republic Agency for Electronic Communications, Coordination board and ICT society of Regional Chamber of Economy of Niš. After some introduction presentations, special attention was paid to consideration of the ICT role and importance. A great number of participants were involved in very useful and long discussion. The main goal of the round table was to summarize conclusions which are going to be presented to the relevant institutions in order to attract financial investment and use potential of information and communication technologies for the development of Serbia: economic development, business enlargement and improvement of the quality of life.



IEEE meetings

Among other activities there were the meeting of IEEE Women in Engineering – Affinity Group of Serbia and the meeting of the Executive Committee of Serbia and Montenegro IEEE Section. Biljana Stošić from University of Niš, Faculty of Electronic Engineering was appointed as a new Affinity Group chairperson. The second meeting included exchanging experiences and initiatives from IEEE members. Also, a presentation of *Microwave Review* scientific journal and its last issue by the editor Zlatica

Marinković from University of Niš, Faculty of Electronic Engineering, took place at the end of these meetings.

Further, Steering Boards meeting of Serbian Cable Operators was held as well. On the same day, ICT society of Regional Chamber of Economy of Niš had a meeting as well.

The TELSIS Conference has as usual an entertaining social program. There was a reception for a group of authors organized by Major of the City of Niš and held in the City Hall in the first conference evening, followed by a nice musical performance for all conference participants in organization of the Student Cultural Centre of Niš. A mid-day break between morning and afternoon presentations on the second day, gave more time for all interested participants to visit the most important archaeological and historical places from Roman and Turkish time, as well as some parts of the city. The conference gala dinner was organized at the end of the second Conference day. Serbian national cuisine, an orchestra performing Serbian and international music, and, most importantly, cheerful guests made the evening memorable. Very warm and friendly atmosphere during the conference official work and social program contributed to informal exchange of ideas, new friendships, and new connections between different countries and universities.



Sightseeing – Archeological place from Roman time - Mediana



Some members of the Conference Organizing Committee with TELSIS 2011 participants

I would like to thank to all of the authors, members of the Technical Program Committee and Organizing Committee, reviewers, generous sponsors, and all the others who participated in organization and in the Conference itself. I believe that we all together achieved a great success with all technical activities and social program and made TELSISKS 2011 Conference a truly unforgettable experience.

However, I kindly encourage those who have missed TELSISKS Conference to consider participation in the future conferences. Prof. Magdalena Salazar Palma from Spain, 2011 IEEE AP-S president said: *I am really impressed with the quality of Telsiks 2011 in all aspects. Quality of the invited speakers, Technical Program including both oral and poster sessions, as well as the interaction between the attendees. ... I wish al the best for the next editions of the conference and I am sure that they will be as succesfull as this one. As IEEE AP-S President I can assure that this conference is at the highest level of IEEE conferences. Congratulations!*

TELSISKS 2011 Chair and Chair of Serbia and Montenegro IEEE MTT-S Chapter,



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