

## Report on 60th ETRAN Society Meeting

In 2016 Serbian Society for Electronics, Telecommunications, Computers, Automatic Control and Nuclear Engineering ETRAN had an important anniversary, organizing its 60th annual meeting. Informally called “Serbian IEEE” because of a similar profile of interest and similar membership consisting of electrical and electronics engineers, it has been organizing its meetings since 1955. The ETRAN Society is the oldest and the most prestigious Serbian professional society and practically all important researchers and engineers in Serbian and regional electrical engineering left their marks in the work of the Society and indeed one could not exist without the other.

In 2016 two meetings have been organized, the national conference with international participation ETRAN 2016 (the Conference for Electronics, Telecommunications, Computers, Automatic Control and Nuclear Engineering) and the international conference IcETTRAN 2016 (International Conference on Electrical, Electronic and Computing Engineering). Both conferences were co-located at the Zlatibor mountain, in one of the popular tourist destination in Serbia, from 13th to 16th June, 2016.



*Opening ceremony*

Both conferences strive to cover different fields of electrical and electronic engineering and to generate new knowledge and new networking opportunities and to ensure cross-pollination of ideas through merging of fields and approaches that otherwise would not meet. Because of that, the conferences simultaneously cover such diverse fields like electronics, telecommunications, computing and information engineering, automation, nuclear engineering and technology, acoustics, antennas and propagation, artificial intelligence, power engineering, electric circuits and systems and signal processing, biomedical engineering, metrology, microelectronics and optoelectronics, nanosciences and nanotechnologies, microwave technique, technologies and systems, new materials in electrical and electronic engineering, robotics and flexible automation and, last but not least, education in electrical, electronic and computing engineering.

Another difference from other conferences is that all papers accepted at the ETRAN Society conferences are presented orally. The papers that are not presented at one of the conferences cannot appear in the conference proceedings, which are published after the conferences are closed.



*Conferences' participants*

A total of 314 contributions has been accepted for oral presentation at the 60th annual meeting of the ETRAN Society. Of those, 184 contributions have been accepted for presentation at the IcETLAN 2016 International Conference and 130 papers have been accepted for 60th national conference ETRAN. The conference participants came from 19 countries from all parts of the world.

Four plenary lectures were held at the ETRAN 2016 conferences. Dr. Gordana Popović from European Research Council Executive Agency, European Commission, Brussels, Belgium and from Technical University Vienna, Austria spoke about the European Research Council (ERC) and funding opportunities offered through it. Prof. Dušan S. Zrnić from NOAA National Sever Storms Laboratory and the University of Oklahoma spoke about radars for probing the atmosphere. Finally, prof. Mitch Gusat from IBM Research, Zurich Laboratory, Switzerland gave a plenary talk “The rise of the super-datacenter: from lossless elasticity, thru cognitive analytics, toward the next gen HPC (High Performance Cloud). Finally, Slobodan Vukosavić from the School of Electrical Engineering, University of Belgrade, Serbia, spoke about the Tesla's discovery of the rotating magnetic field.

Among the invited speakers were Svetlana Avramov-Zamurović from United States Naval Academy, Annapolis, USA, Miroslav Krstić from University of California San Diego, USA, Mirko Čudina from University of Ljubljana, Slovenia, Branko Dokić from University of Banja Luka, Bosnia and Herzegovina, Sascha Bleidner from DE-CIX Management GmbH, Frankfurt, Germany, Jaroslav Makal, Bialystok University of Technology, Poland and others. The members of the Steering Committee and the Technical Program Committee of the IcETLAN conference were renowned researchers from 14 countries from Europe, USA and Australia.



*Meeting of FEE Deans of former Yugoslavia*

Two round tables were held at the ETRAN Society meeting. One of them was “Current Questions of Technological Development of Serbia,” moderated by Bratislav Milovanović, Petar Petrović, Predrag Petrović, Dragan Satarić and Miloljub Smiljanić. The conclusions of the round table were dedicated to the new nationwide call for Science projects in Serbia where strategic interests were outlined, to the concept of national technological platforms that should be established by those in engineering and engineering sciences and to the idea to bring a law about engineering at the national level. Another one was “Power Industry of Serbia and Telekom Srbija,” its moderators being Boško Buha, Slobodan Vukosavić, Branko Kovačević, Predrag Petrović and Aleksandra Smiljanić. This round table resulted in recommendations to Serbian government that due to their strategic interests Power Industry of Serbia and Telekom Srbija should not be sold and that they should be organized having in mind best solutions agreeing with the national framework.



*Round Table I: Moderators*

Other events include Twelfth Annual Workshop *nanoETLAN* chaired by Zoran Jakšić, international discussion table “Networking Online Experimentation” chaired by Željko Djurović, tutorial “Coordination of the Unlicensed Band Shared Access between LTE and WiFi Networks” chaired by Zorica Nikolić, General Assembly of ETRAN Society and the annual meeting of Serbian Society for Microwave Technique, Technologies and Systems, chaired by Bratislav Milovanović.

The participation of young researchers has been a strong point of ETRAN meetings since their inception. 2016 was no exception to that. In order to further promote their participation, besides granting its traditional awards for young researchers, and offering special benefits to them as regular participants, in 2016 the ETRAN Society ensured free stay for the youngest participants. Another action targeted toward the young researchers were the organization of a number of talks dedicated to education in electrical and electronic engineering.



*Ceremonial delivery of Distinguished Member diploma*

Besides excellent presentations, the anniversary conferences again exhibited the the spirit of friendship which has long ago become the trademark of all ETRAN Society meetings. This has been strengthened by a conference excursion that included a visit to Andrić Grad and Dobrun monastery. Those who attend ETRAN conferences very often return to them and this year was no exception.

As in previous years, ETRAN and IcETLAN conferences were organized with the support of IEEE.

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