

## Serbia and Montenegro IEEE MTT-S Chapter Activities in 2021

In 2021 the Serbia and Montenegro IEEE MTT-S Chapter, despite the travel restrictions caused by the Covid-19 pandemic, successfully continued with organization of their technical activities.

The chapter hosted virtually two lectures from the MTT-S Distinguish Microwave Lecturer (DML) program:

- “*Microwaving a Biological Cell Alive – Broadband Label-free Noninvasive Electrical Characterization of a Live Cell*” – the lecture was given by *Prof. James Hwang* (Cornell University, US) on Thursday, October 21, 2021.
- “*Fast Solvers for Electromagnetics-Based Analysis and Design of Integrated Circuits and Systems*” – the lecture was given by *Prof. Dan Jiao* (Purdue University, US) on Friday, October 22, 2021.



The main activity of the Chapter in 2021 was organization of *15th International Conference on Advanced Technologies, Systems and Services in Telecommunications – TELSIS 2021* which was held in Niš from 20 to 22 October, 2021. The Conference was organized in a hybrid form: majority of the presentations were given on-line in real time, whereas a few sessions were organized at the Faculty of Electronic Engineering Niš. 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, National Society for Telecommunications, and Society for ETRAN. The conference was technically cosponsored by the IEEE AP-S, IEEE MTT-S, and IEEE Region 8. The full report of the conference has been published in this issue of Microwave Review. In particular, besides participation of its members in the conference organization activities, the main contribution of the Chapter was organization of a keynote lecture and two special sessions, all held on Thursday October 21, 2021:

- Keynote Lecture “*Space Based Networks for Emerging 5G/ IoT Telecom Infrastructure*” given by *Ramesh K Gupta*, (Ligado Networks, Reston, VA, USA).
- Special Session “*Bioelectronic Applications of RF and Microwaves*” chaired by *Prof. Giovanni Crupi* (University of Messina, Italy) and *Prof. Vincenzo Stornelli* (University of L’Aquila, Italy), held on Thursday October 21, 2021.
- Special Session “*Advanced Sensor Technologies in Biomedical Applications and Healthcare*” chaired by *Prof. Zlatica Marinković* (University of Niš, Serbia) and *Prof. Nicola Donato* (University of Messina, Italy), held on Thursday October 21, 2021.



The Chapter members participated in organization of 56<sup>th</sup> International Scientific Conference on Information, Communication and Energy Systems and Technologies – ICEST 2020, which was held in Sozopol, Bulgaria on June 16-18, 2021. ([www.icestconf.org](http://www.icestconf.org))



The Chapter members supported organization of the 65<sup>th</sup> national conference ETRAN 2021 and 8<sup>th</sup> international conference IcETRAN, which were held on September 8-10, 2021. The conference was organized in a hybrid form, taking place in Ethno village Stanišići, Republic of Srpska. Parallel on-line access for those who decided to participate remotely was provided. The chapter members participated in the sessions “Antennas and Propagation” and “Microwave Technique, Technologies and Systems” (<http://etran.etf.rs/>).



Each year the MTT-S Chapter participates in organization of the “*IEEEESTEC Student Project Conference*” at the Faculty of Electronic Engineering, University of Niš. The 14th edition of the conference was organized on-line on November 25, 2021 on the IEEEESTEC conference website (<http://ieee.elfak.ni.ac.rs/>). The conference, as the previous ones, was organized by the student branch of IEEE SB Niš, IEEEESTEC LC Niš, and the Faculty of Electronic Engineering in Niš, in cooperation with IEEE Serbia and

Montenegro Section, IEEE ED/SSC Chapter, IEEE MTT-S Chapter, IEEE WIE Affinity Group and IEEE CIS Chapter, with the support of the Serbian Academy of Sciences and Arts (SASA) Branch Niš, as well as the Ministry of Education, Science and Technological Development of the Republic of Serbia. The best papers presented at the IEEEESTEC Conference will be sent to the IEEE Region 8 student paper competition. The MTT-S Chapter awarded the paper “Security IOT System with Electric Lock (in Serbian)”, which was among the top rated papers according to the review scores. The paper was authored by Jelena Nedeljković and Marko Tepavac, students of the Faculty of Electronic Engineering, Niš.

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Microwave Review is available in electronic version on the web site  
[https://www.mtt-serbia.org.rs/microwave\\_review](https://www.mtt-serbia.org.rs/microwave_review).

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