



**IEEE MTT Society**  
**Serbia and Montenegro Chapter**

**REPORT ON THE MAIN CHAPTER ACTIVITIES  
FROM SEPTEMBER 1, 2008 TO AUGUST 31, 2009**

*This report was given by Prof. Bratislav Milovanović, Chapter Chair, at IEEE MTT-S Region 8 Chapter Chairs' Meeting, which was held in Rome, Italy, in September 2009.*

In the period from September 1, 2008 to August 31, 2009, as in the previous years, members of IEEE MTT-S Chapter of Serbia and Montenegro were very active. The main activities were related to:

- participation in the organizing of international and national scientific conferences,
- organization of technical meetings where invited lectures were given,
- building curricula from the microwave fields in the scope of under- and post- graduate studies,
- preparation, publishing and presentations of two issues of the Microwave Review journal, a publication of the MTT-S Chapter of Serbia and Montenegro and the national Society for Microwave Technique and Technologies.

The main conference organized by Chapter members in this period is 9th IEEE Conference on Telecommunication in Modern Satellite, Cable and Broadcasting Services - TELSIS 2009, that is going to be held at the Faculty of Electronic Engineering, University of Niš, Serbia, on October 7 - 9, 2009 ( <http://www.telsiks.org.rs> ). The Conference has been organized jointly by the Faculty of Electronic Engineering Niš and the national Society for MTT, with technical co-sponsorships of IEEE MTT-Society, IEEE AP-Society and IEEE Region 8. It has been organized under auspices of Serbian Academy of Science and Art (SASA), Serbian Ministry of Science and Technological Development and Serbian Ministry of Telecommunications and Information Society. The Conference has been organized in cooperation with Academy of Engineering Science of Serbia, Serbia and Montenegro IEEE Section, IEEE Communications Chapter, National Society for Telecommunications, IEEE MTT-S Chapter and Society for ETRAN.

Till end of August, 127 papers reviewed by the international reviewer board were selected for presentation at the Conference. Among the papers are: a plenary one and several invited papers by world well-known authors. Besides the presentations of the papers, the Conference programme will include two workshops and one round table. One workshop will be devoted to Multimedia Communications. The other workshop and the round table will consider current issues in the field of telecommunications and education in Serbia.

Chapter members that are involved in the TPC and the organizing committee of the Conference TELSIS 2009 Conference met in March 2009. 14 people took part at the meeting.

Some of the Chapter members participated in organization XLIV International Scientific Conference on Information, Communication and Energy Systems and Technologies ICEST 2009, held in

Veliko Tarnovo, Bulgaria in June 2009 (<http://eedu.tu-sofia.bg/icest/>). The Chapter chair, Prof. Dr. Bratislav Milovanović, is the co-chair of this years' ICEST conference. The MTT-S Chapter members were organizers of sessions related to Microwave technique and Antennas and propagation.

Some members of the Chapter helped organizing and participated at the national conference on telecommunications TELFOR'08 (session "Applied electromagnetics and electronics"), which was held in Belgrade, in November 2008 (<http://www.telfor.org.rs>)

The Chapter supported the organization of the 53<sup>rd</sup> national conference ETRAN 2009, held in Vrnjačka Banja, in June 2009. Within the ETRAN Conference, "Microwave and sub- millimeter technique" mini-conference took place containing three very successfully organized sessions: "Microwave Passive Devices", "Microwave Electronics" and "Antennas, propagation of EM waves and microwave Measurements", (<http://etran.etf.bg.ac.yu/>).

MTT-S Chapter participated in organization of the first student conference "*IEEEESTEC Student project conference*" (<http://www.eestec.org.yu/ieeestec/>) held in October 2008 in Niš. The Conference was organized by IEEE Student Branch Niš, EESTEC LC Niš and the Faculty of electronic engineering in Niš in co-operation with IEEE Serbia and Montenegro Section, IEEE ED/SSC Chapter and IEEE MTT-S Chapter. It was a chance to encourage undergraduate students to enter the world of scientific work. The best paper from the field of microwaves is a paper "Design and Realization of Variable Reactance Reflection Phase Shifter" by Vladimir Rinčić and Nikola Stojanović, students of the faculty of Electronic Engineering of Niš. The event was very well attended, around 80 people were present.

Besides gatherings of the Chapter members during the mentioned conferences, several other meetings with the invited lectures were organized in this period:

- Prof. Djurdj Budimir, University of Westminster, London, UK, gave a lecture: "*Research in Wireless Communications at Westminster University, London, UK*". The meeting was held in December 2008 at the Faculty of Electronic Engineering in Niš and was attended by 37 people.
- In February 2009 at the Faculty of Technical Sciences in Novi Sad there was a meeting organized jointly by the IEEE MTT-s Chapter of Serbia and Montenegro, IEEE Region 8 and EUMA Group 11. Representatives of the main microwave research teams from Belgrade, Novi Sad and Niš met Prof. Ian Hunter, University of Leeds, UK, and presented research results of their teams. During the meeting Prof. Hunter gave a lecture "Recent advances in Microwave Filters". Eighteen people attended this meeting.
- At the annual meeting of members of the IEEE MTT-S Chapter and national Society for MTT, held in February 2009, Prof. Branko Kolunžija, the Chapter co-chair, gave a lecture "WIPL-D Software – history, state-of-the art and future trends". 64 people were present at the meeting.
- Prof Javan Erfanian, Distinguished Lecturer, IEEE COM Society gave a lecture "*Wireless technology evolution*" at the technical meeting which was held at the Faculty of Electronic Engineering in Niš in April 2009. The lecture was very well attended. The attendees were not only members of university teaching and research staff but also 25 students of the final years at the Faculty of Electronic Engineering in Niš.

The Chapter members continued activities in the reform of curricula at Serbian Universities related to the subjects from the microwaves and related fields. Among these activities there was a Workshop: "*Towards Improving the Engineering Education*" held in June 2009, at the Faculty of Electronic Engineering in Niš. The workshop was organized jointly by the IEEE MTT-S Chapter, IEEE ED Chapter and the Faculty of Electronic Engineering Niš. It was organized under the European Commission TEMPUS program "New Master Programmes in Telecommunication and Control" (<http://tempus41112.elfak.ni.ac.rs>). Representatives of the partner institutions from Greece, Germany,

Italy, Slovenia and Serbia presented their experience in the engineering education. Among the presentations, two were especially interesting for the microwave community:

- *Instruments go virtual: experiences on educational activities in the field of telecommunications at the University of Pisa*, given by Prof. Dr. Filippo Gianneti, University of Pisa, Italy
- *Microwave Circuit Element Library for Teaching RF and Microwave Engineering*, Prof. Dr. Vladimir Petrovic, IEEE ED Chapter Chair, University of Belgrade.

The workshop was attended by 68 people.

Two issues of the Microwave Review journal, a publication of MTT-S Chapter of Serbia and Montenegro and national Society for Microwave Technique and Technologies have been published in this period. One was published in December 2008 (Vol.14, No.2.) and the other in June 2009 (Vol.15, No.1). Microwave Review is available in electronic version on the web site: <http://www.mwr.medianis.net>. It should be noted that the journal has been included into INSPEC database since November 2008.

In the forthcoming months the Chapter members are going to continue activities started in this period, first of all, activities contributing to the successful organization of the TELSIS Conference, as well as other professional and educational activities. Furthermore, activities on strengthening of collaboration with other local IEEE Chapters, student and professional organizations will be performed.