

**IEEE MTT Society**  
**Serbia and Montenegro Chapter****REPORT ON THE MAIN CHAPTER ACTIVITIES IN 2005***1. CONFERENCES*

MTT-S Chapter of Serbia and Montenegro has participated in organizing and supporting several international and national conferences.

The two main conferences supported by the MTT-S Chapter in this period were ICEST 2005 and TELSIS 2005 at the Faculty of Electronic Engineering, University of Niš, Serbia & Montenegro.

XXXIX International Scientific Conference on Information, Communication and Energy Systems and Technologies - ICEST 2005 was held on June 29 –July 1, 2005. It is organized by Faculty of Electronic Engineering – Niš, Serbia and Montenegro, Faculty of Technical Sciences, Bitola FYROM and Technical University of Sofia, Bulgaria. The technical program included 184 papers from 14 countries (Region 8 mostly). The most important sections for the microwave audience were Microwave electronics, Antennas, Applied Electromagnetics and Wireless communications.

The 7th IEEE Conference on Telecommunication in Modern Satellite, Cable and Broadcasting Services - TELSIS 2005, was held from 28 to 30 September, 2005. It was organized by the Faculty of Electronic Engineering - Niš, under IEEE MTT-Society, Communications Society, AP-Society and Region 8 technical co-sponsorships, and in co-operation with IEEE Section of Serbia and Montenegro, IEEE MTT-S Chapter of Serbia and Montenegro and IEEE Communications Chapter of Serbia and Montenegro. All submitted scientific and application oriented contributed papers were reviewed by the International Review Board. Authors of the papers are from 30 countries all over the world. The technical program included plenary session, 12 oral and 6 poster sessions, two workshops, round table and several professional meetings and commercial presentations.

Some members of the Chapter helped organizing and participated at national conference on telecommunications "TELFOR'05", which was held in Belgrade, on November 22-25, 2005 (session "Applied electromagnetics and electronics").

The Chapter supported the organization of the national conference "ETRAN 2005", held in Budva, Serbia&Montenegro, on June 5-10, 2005. Within the ETRAN Conference, "Microwave and sub-millimeter technique" Conference took place containing four very successfully organized sessions: "Microwave Antennas and Systems", "Microwave Passive Circuits", "Microwave Electronics" and "Antennas and Propagations".

*2. INVITED LECTURES*

During this period YU MTT Chapter organized several meetings devoted to invited lectures from eminent lecturers:

- On January 19, 2005, at Faculty of Electrical Engineering in Belgrade, during the annual chapter meeting two lecture were given:
  - Academician, Prof. Dr. Aleksandar Marinčić gave a lecture "Mihajlo Pupin's contribution to the field of telecommunications"
  - Prof. Dr. Aleksandar Nestic, IMTEL Institute, Belgrade Serbia and Montenegro, gave a lecture "Development of Microwave Technique in the IMTEL Institute"
- Prof. Dr. Nebojša Dončov gave a lecture "Per-Unit Length Inductance Influence On Transmission Line Characteristics" during the meeting at the ETRAN Conference in Budva, on June 9, 2005.

- A lecture "Data Mining and Semantic Web: Analysis and Comparison" was given at the the Faculty of Electronic Engineering in Niš, on June 29, 2005. The speaker was Prof. Dr. Veljko Milutinović, Faculty of Electrical Engineering in Belgrade.
- Prof. Dr. Nikola Dodov, Technical University Sofia gave a lecture »Effect of Geometrical Aspect Ratio of a Rectengular Microstrip Element on Antenna Bandwidth« the Faculty of Electronic Engineering in Niš, on June 30, 2005.
- Prof. Dr. Bane Vasić, and Dr. Ivan Djordjevic, University of Arizona, Tucson, USA, gave an invited lecture "Constrained Coding for Suppression of Intrachannel Nonlinear Effects on 40 Gb/s Optical Transmission Systems" at the Faculty of Electronic Engineering in Niš, on July 18, 2005.
- IEEE Serbia and Montenegro MTT-S Chapter organized TELSIXS 2005 plenary lecture "Planar Transmission Lines in MW and MMW Circuits" given by Jan Zehentner, Czech Technical University in Prague, Czech Republic, on September 28, 2005 in Niš.
- Within the Workshop "Advances in Mobile Communication Technologies" on September 28, 2005 in Niš the following lectures were related to the microwave comunity interests:
  - "Recent advances on EBG and AMC surfaces with applications in terminal and high gain antennas" by prof. Y. Vardaxoglou, Loughborough University, United Kingdom
  - "Electromagnetic modeling of composite metallic and dielectric structures", prof. B. Kolundžija, University of Belgrade, Serbia nad Montenegro

All invited lectures were interesting and very well attended.

### 3. CELEBRATIONS AND AWARDS

A celebration of 70<sup>th</sup> birthday and more of 45 years of work of Professor Aleksandar Nešić, Institute IMTEL Belgrade, was held in November 2004, during the national conference TELFOR 2004. Prof. Nešić has worked with a great success in the field of electrical engineering, especially in the field of microwave technique.

At the meeting on January 19, 2005, the Chapter awards for "special achievements and contribution to the field of microwaves" were awarded to Professor Aleksandar Marinčić, a member of Serbian Academy of Science and Art and a former Chapter Chairman, and professor Aleksandar Nešić (IMTEL Institute, Belgrade). An award for «special contribution to the Chapter activities» went to Dr Branka Jokanović (IMTEL Institute, Belgrade), one of the Chapter founders and the first Chapter Chairman.

### 4. JOURNALS

The Microwave Review is a publication of YU MTT-S Chapter and Yugoslav Society for Microwave Technique and Technologies, aimed to offer a number of high-quality scientific and application-oriented papers as well as useful information for the members and interested persons. The journal has been publishing for ten years.

In this period two issues were published – in June 2005 (Vol.11, No.1) and November 2005 (Vol.11, No.2.). The first issue is devoted to the inventor Michael Idvorsky Pupin (some of the authors are: A. Marinčić, K. Wu, B. Kolundžija, S. Mass, D. Linton, Yu. Belov, J. Vrba). Most of the apers from November 2005 Issue are related to biological effects and possible health hazards resulting from exposure to electromagnetic waves produced by today's wireless communication systems (some of the authors are: A. Vander Vorst, T. Benson, D. Krstic, S. Loyka, I. Belayev, L. Díaz Olavarrieta).

From December 2004, Microwave Review has been available in electronic version on the web site: <http://www.mwr.medianis.net> .

Chapter Chairman



Prof. Dr. Bratislav Milovanović