



IEEE MTT Society
Serbia and Montenegro Chapter

**REPORT ON THE MAIN CHAPTER ACTIVITIES
FROM SEPTEMBER 1, 2005 TO AUGUST 31, 2006**

This report was given by Prof. Bratislav Milovanović, Chapter Chair, at IEEE MTT-S Region 8 Chapter Chairs' Meeting, which was held in Manchester, UK, on 13th September, 2006.

1. CONFERENCES

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

The main conference supported by the MTT-S Chapter in this period was The 7th IEEE Conference on Telecommunication in Modern Satellite, Cable and Broadcasting Services - TELSIXS 2005 held at the Faculty of Electronic Engineering, University of Niš, Serbia & Montenegro, 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 jubilee 50th national conference "ETRAN 2006", held in Belgrade, Serbia&Montenegro, on June 6-9, 2006. Within the ETRAN Conference, "Microwave and sub- millimeter technique" mini Conference took place containing four very successfully organized sessions: "Microwave Passive Devices I and II" and "Microwave Electronics I and II".

Some of the chapter members participated in organization of ICEST 2006 Conference, held in Sofia, Bulgaria from June 28 to July 1, 2006. Papers of the Chapter members were presented within two sessions related to Microwave technique and Antennas and propagation. Chapter chair, Prof. Dr. Bratislav Milovanović is co-chair of the ICEST conferences. At opening this year's Conference, he was given an award for continuous activities in the organization of conferences ICEST and for development of cooperation in the area of sciences and high education by the Faculty of Communication Technique and Technologies at Technical University of Sofia.

Chapter members have been participating in organization of 6th International Symposium Nikola Tesla, on the occasion of 150th anniversary of Nikola Tesla, that is going to be held in Belgrade, October 18-20, 2006 (<http://www.tesla-symp06.org/>). It is organized by Government of the Republic of Serbia. The Symposium Co-organizers are: Serbian Academy of Sciences and Arts, Belgrade Faculty of Electrical Engineering, Belgrade, Faculty of Electronic Engineering, Niš, Faculty of Technical Sciences, Novi Sad, Institute of Electrical Engineering “Nikola Tesla”, Belgrade, Institute “Mihailo Pupin”, Belgrade, Academy of Engineering Sciences of Serbia and Montenegro, Belgrade. The symposium is organized in cooperation with: Nikola Tesla Museum, Belgrade, IEEE Serbia and Montenegro Section, Tesla Memorial Society, New York and technically co-sponsored by IEEE Region 8. The former Chapter Chair, Prof. Dr. Aleksandar Marinčić, member of the Serbian Academy of Sciences and Arts is the Chair of the symposium. Prof. Dr. Bratislav Milovanović is a member of the Symposium Steering Committee.

2. TECHNICAL MEETINGS AND INVITED LECTURES

During this period YU MTT Chapter organized several technical meetings. During these meetings many eminent lecturers given lectures. The following meetings and lectures were organized.

1. IEEE Serbia and Montenegro MTT-S Chapter organized **TELSIKS 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.
2. Within the **Workshop** “Advances in Mobile Communication Technologies” on September 28, 2005 in Niš the following lectures were related to the microwave community 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
3. On February 1, 2006, at IMTEL Institute, Belgrade, **the annual chapter meeting** was held. During that meeting two lectures were given:
 - “Negative Refractive Index Metamaterials” by Dr. Zoran Jakšić, IHTM Institute, Belgrade, Serbia.
 - “Applications of LH metamaterials in microwave and millimeterwave ranges” by Dr Vesna Crnojević-Bengin, Faculty of Technical Sciences, Novi Sad, Serbia
4. Prof. Dr. Ferran Martín, Departament d'Enginyeria Electrònica, Universitat Autònoma de Barcelona, Spain, gave a lecture “Metamaterials and related structures for wireless communications”, on May 4, 2006
5. At the technical meetings during the jubilee 50th ETRAN Conference in Belgrade two lectures were given:
 - on June 6, 2006 Prof. Dr. Dejan Tošić and Milka Potrebić, Faculty of Electrical Engineering, Belgrade gave a lecture: “Software Tools for Microwave Research, Design and Education”.
 - on June 8, 2006 Prof. Dr Vera Marković and Prof. Dr. Bratislav Milovanović (Chapter chair), Faculty of Electronic Engineering Niš, gave an invited lecture: «Development in the Area of Microwaves within the scope of ETRAN Conferences»

6. Dr. Zoya B. Popović, Hudson Moore Jr. Chaired Professor, University of Colorado at Boulder, USA, gave a lecture “Active Microwave Circuits and Antenna Arrays”, on June 20, 2006
7. On July 18, 2006, at IMTEL Institute, Belgrade, two lectures were given:
 - A lecture from **IEEE MTT-S Distinguished Lecture Program** “Through-the-Wall Personnel-Detection Technology” by **Prof. Victor Lubecke**, Department of Electrical Engineering, University of Hawaii at Manoa
 - “Silicon chips for biomedical signal measurements and processing” by Prof. Olga Borić-Lubecke, Department of Electrical Engineering, University of Hawaii at Manoa

3. JOURNAL

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 published from 1994.

In this period two issues were published – in November 2006 (Vol.11, No.2.) and June 2006 (Vol.12, No.1). Microwave Review has been available in electronic version on the web site: www.mwr.medianis.net.

Journal presentations given by Prof. Dr Vera Marković, editor, were organized three times:

1. September 2005 (TELSIKS 2005 Conference), Faculty of Electronic Engineering Niš.
2. February 2006 (annual chapter meeting), IMTEL Institute, Belgrade.
3. June 2006 (technical meeting durring ETRAN 2006 Conference), Sava Center, Belgrade.