

Report on YU MTT-S Chapter Activities from September 1, 2003 to August 31, 2004

1. *CONFERENCES*

Among the activities of the YU MTT-S Chapter, organizing and supporting the international and national conferences take a special place.

The 6th IEEE Conference on Telecommunication in Modern Satellite, Cable and Broadcasting Services - TELSIS 2003, was held from 1 to 3 October 2003, at the Faculty of Electronic Engineering, University of Niš, Serbia & Montenegro. 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 Yugoslavia IEEE Section, Yugoslav MTT Chapter and Yugoslav Communications Chapter. All submitted scientific and application oriented contributed papers have been reviewed by the International Review Board. After reviewing, 150 papers have been accepted for oral or poster presentation. Besides, 28 invited keynote papers were presented. In addition, the technical program included two workshops, two round tables, an exhibition of research results and industrial products and several professional meetings and commercial presentations.

A number of YU MTT-S Chapter members helped organizing and participated at:

- XXXVIII International Scientific Conference on Information, Communication and Energy Systems and Technologies - ICEST 2003 held on October 16-18, 2003 in Sofia Bulgaria (sessions "Microwave technique and antennas - I and II),
- XXXIX International Scientific Conference on Information, Communication and Energy Systems and Technologies - ICEST 2004 held on June 16-19, in Bitola, FYROM (sessions "Radio communications, microwave technique and antennas" - 1 and 2 and "Electronic components, systems and technologies").

YU MTT-S Chapter supported the organization of the national conference "ETRAN 2004", held in Čačak, Serbia & Montenegro, on June 6-10, 2004. Within the ETRAN Conference, "Microwave and sub-millimeter technique" Conference took place containing four very successfully organized sessions: "Microwave Antennas", "Microwave Passive Circuits", "Modeling and measurements" and "Optical Communications" were related to the field of microwave technique.

Some members of YU MTT-S Chapter members helped organizing and participated at national conference on telecommunications "TELFOR'03", which was held in Belgrade, on November 25-27, 2003 (session "Applied electromagnetics and electronics")

2. *INVITED LECTURES*

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

- Dr Ferdo Ivanek, Communications Research, USA, gave an invited lecture entitled: "Broadband Wireless Access Network", at the Institute IMTEL, Belgrade, on September 10, 2003.

- Prof. Petrie Meyer, Postgraduate Coordinator, Department of Electrical and Electronic Engineering, University of Stellenbosch, South Africa, presented "Research Activities of Microwave Components Group at Department of Electrical and Electronic Engineering, University of Stellenbosch, South Africa", at the Institute IMTEL, Belgrade, on September 30, 2003.
- In the scope of a plenary session of TELSIS'03, a Plenary keynote address was given on October 1, 2003. The distinguished invited speaker was Prof. Ke Wu, Ecole Polytechnique, Montreal, Canada, and the title of his very interesting and notable lecture was: "The Substrate Integrated Circuits - A New Concept for High-Frequency Electronics and Optoelectronics".
- On October 2, 2003, Prof. Sheila Prasad, the Northeastern University, Boston, USA, has given her invited lecture entitled: "Modeling of Heterojunction Bipolar Transistors", in the scope of a workshop named "*Microwave and Optoelectronic Device Modeling*", which was held during TELSIS'03 and organized in the co-operation with YU IEEE MTT Chapter.
- The second invited lecture given on October 2, 2003 at the mentioned workshop by Prof. Trevor Benson, University of Nottingham, UK, had the title: "Optoelectronic Modeling at Nottingham".
- A meeting devoted to the invited lecture titled "Modern video coding and video standards", presented by a young researcher, the Boston University, USA, Nikola Božinović, was held at the Faculty of Electronic Engineering in Niš, on June 2, 2004.
- On June 8, 2004, during the ETRAN Conference in Čačak, prof. Aleksandar Nesic, IMTEL Institute, Belgrade Serbia and Montenegro, gave invited lecture "Three decades of Microwave Technique Development in IMTEL Institute"
- Prof. Dr. Bane Vasić, University of Arizona, Tucson, USA, gave an invited lecture "Information Theory and Coding Problems in Genetics" at the Faculty of Electronic Engineering in Niš, on July 27, 2004.

All invited lectures were interesting and very well attended.

3. CELEBRATIONS

A celebration of 70th birthday and more of 45 years of work of Professor Aleksandar Marinčić, member of Serbian Academy of Science and Art, and actual chairman of YU MTT Chapter, was held on 2nd October 2003, during the conference TELSIS '03. He has worked with a great success in the field of electrical engineering, especially in the field of microwave technique, applied electromagnetics, microwave and optical communications, etc.

4. JOURNALS

The journal "Microwave Review" is printed in English and it is one of the leading national journals in the field of electrical engineering in Serbia and Montenegro. In 2003 two special issues were published, one devoted to the Prof. Marinčić's celebration mentioned above, published in September 2003, and the other special issue contains selection the best papers at TELSIS 2003 and ICEST 2003 Conferences related to the microwaves. One regular issue with original contributed papers was published in June 2004.

Prof. Dr. Bratislav Milovanović and Prof. Dr. Vera Marković, YU MTT-S Members, have been guest editors of Special issue of Electronics (Banja Luka, Republic of Srpska). For this purpose, they have selected the best papers presented at TELSIS 2003 and ICEST 2003 Conferences related to Microwave and Opto- Electronics.