From the Editor's Desk

On the cover page of this issue of the Microwave Review you can see a photograph of a great scientist and inventor of Serbian origin, Michael Pupin. Last year, the 150th anniversary of his birth was celebrated. Pupin's greatest discovery was the solution to the problem of long-distance telephone transmission by means of special inductance coils distributed along the line, enabling in this way the transmission between distant cities. That was a great step forward in the development of telephony, and the name of Michael Pupin became widely known and highly respected in the scientific world. A biography of Michael Pupin, prepared by Prof. Aleksandar Marinčić, member of Serbian Academy of Science and Art and a great connoisseur of the work of Serbian world-wide known inventors, is given at the beginning of this issue. Prof. Marinčić is also a member of the editorial board of Microwave Review and I would like to express my thanks for his support.

The first paper by Ke Wu and Lin Li presents the numerical calibration and de-embedding techniques used in the planar electromagnetic (EM) simulation. It should be noted that this paper was one of invited papers for the special issue of Microwave Review devoted to the celebration of the 70th birthday of Prof. Aleksandar Nešić, published in November 2004. To our regret, because of technical problems, this paper has not been included in that special issue, but we are very glad to present it in this issue of our journal. In addition, I would like to emphasize that we are very honoured that Prof. Ke Wu has become a member of the editorial board of our journal this year.

The first paper is followed by five other scientific papers, whose authors have been invited to contribute to this issue of Microwave Review. In the paper by Branko Kolundžija, a technique for de-embedding of S-parameters based on reflection coefficient calculation is considered. Application of this technique is presented in the environment of the software WIPL-D.

Steven Maas is the author of the next invited paper entitled: "Software Architecture for Circuit Simulation", which expresses a long-term goal to make use of modern software technology to enhance the ability of engineers to design RF and microwave circuits and systems.

The fourth paper by Simon Rea, David Linton, Eddie Orr and Jonathan McConnell presents an interesting study of electromagnetic shielding properties of carbon fibre composites used in avionic systems, over the X and S bands.

In the fifth paper by Yuri I. Belov the results of an experimental study are given: the reflectivity level for frequencies 12 and 35 GHz were measured by the VSWR technique with the aim to estimate the new large radio anechoic chamber at Nizhny Novgorod, Russia.

An important field of application of microwaves is the medicine. The sixth paper by Jan Vrba presents new results related to waveguide and intracavitary microwave applicators for imaging and thermotherapy treatment.

After the scientific papers, a report on a special meeting devoted to the celebration of 15 years of the Yugoslav IEEE MTT-S Chapter work is given in this issue. The meeting was held in Belgrade on 19th January 2005. A jubilee of the journal Microwave Review - ten years of publishing - was also marked on that occasion.

A note about the results of the elections held in February 2005 for the representatives of YU IEEE MTT-S Chapter for the period 2005-2006 is given too. Finally, information about the coming IEEE sponsored international conference TELSIKS 2005 can be found at the end of this issue.

I would like to thank very much all the authors who have accepted to prepare and submit their papers for this issue of Microwave Review and to contribute to its quality. In addition, I am grateful to Prof. Bratislav Milovanović, member of the editorial board, for his support, and Zlatica Marinković, technical editor, for her enthusiastic work on preparing this issue.

Vera Marković, Editor,
Faculty of Electronic Engineering
University of Niš, Serbia and Montenegro
vera@elfak.ni.ac.yu