



A Message from the Editor-in-Chief

Dear members and readers,

The scope of this December issue of the *Microwave Review* journal is to present research covering a variety of concepts, techniques and applications in electrical engineering.

A part of this issue relied on a call to authors of selected papers, which had presented and appeared in the 60th Conference on ETRAN (one paper) and the 12th International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services – TELSIXS (two papers), to submit extended versions of their conference papers for publication in the *Microwave Review* journal. The selection of the invited papers for this issue has been done according to scores of the review process and opinion of the session chairs. The following paragraphs provide an overview of these papers:

Paper *Measurement of Permittivity of Solid and Liquid Dielectrics in Coaxial Chambers* written by Antonije Đorđević, Jelena Dinkić, Marija Stevanović, Dragan Olćan, Suzana Filipović, and Nina Obradović presents coaxial chambers for measurement of the complex relative permittivity of solid and liquid dielectric samples. The chambers are convenient for characterization of small samples, at frequencies where the classical parallel-plate method starts to break down.

A simple iterative technique for evaluation of bistatic radar cross-section (RCS) of arbitrary shaped scatterers of homogenous material is presented in paper *Iterative MoM-Based Technique for Evaluation of Bistatic RCS of Electrically Large Scatterers* given by Miodrag S. Tasić, and Branko M. Kolundžija. Numerical example shows good agreement with the Method of moment (MoM) solution, but with less memory and CPU time.

The third paper entitled *Rate Maximization in Wireless Powered Communication Systems with Non-Ideal Circuit Power Consumption* with authors Ivana Nikoloska, Zoran Hadzi-Velkov, Hristina Chingoska shows how to optimize a point-to-point wireless powered communication system with non-ideal circuit power consumption. The proposed algorithm for practical implementation is capable of iteratively finding the optimal resource allocation even when the fading channel distribution is unknown a priori.

The other part is related to papers selected for publication after being reviewed by qualified anonymous referees. The following paragraphs provide an overview of these papers:

Paper entitled *Modeling of Aperture Fields for Cavities Excited by Stochastic Current Sources* presents modeling of the aperture field for a cavity with multiple stochastic sources for field excitation within the cavity with an arbitrary degree of correlation between the sources. Comparative study of analysis performed in near-field of experimental and numerical models of an electromagnetic compatibility (EMC)-related problem is presented. The authors are Michael Haider, Biljana P. Stošić, Mohd H. Baharuddin, Nebojša S. Dončov, David W. P. Thomas, Peter Russer, Johannes A. Russer.

The paper *Printed Crossed Dipoles Antenna with Switchable Sense of Circular Polarization* proposes printed circularly polarized antenna with polarization reconfigurability i.e. the possibility of switching the sense of circular polarization. Proposed antenna is suitable for applications in mobile satellite, as well as in wireless communications. The authors are Ivana Radnović, and Aleksandar Nešić.

A new concept of the two-dimensional planar antenna arrays with circular polarization is introduced with practically application in the whole microwaves and in millimeter waves up to 110 GHz. The paper title is *Two-dimensional Microwave and Millimeter Planar Antenna Arrays with Circular Polarization and High Gain*, and the authors are Aleksandar D. Nešić and Dušan A. Nešić.

A report about the IEEE in the Former Yugoslavia Region – a 45 Year-Long History of IEEE of Serbia and Montenegro Section is given here by Prof. Vera Marković, Section chair.

Assist. Prof. Zlatica Marinković, chair of the IEEE MTT-S Chapter of Serbia and Montenegro, gives a report about chapter activities in 2016.

Report of the 51st International Scientific Conference on Information, Communication and Energy Systems and Technologies held in Macedonia, Ohrid on June 2016 is written by Prof. Cvetko Mitrovski.

In 2013, the Society for Microwave Technique, Technology and Systems (MTTS) established an annual award “Aleksandar Marinčić“ for the best scientific contribution in the fields within the scope of the Society activities. The award is named after the Academician Prof. Aleksandar Marinčić, one of the founders of the Society and a great scientist in the field of microwaves not only in Serbia but also abroad. “Aleksandar Marinčić” Award for the best contribution in 2015 was given to Angelina R. Totović, Jasna V. Crnjanski, Marko M. Krstić, and Dejan M. Gvozdić for the contribution "Numerical Study of the Small-Signal Modulation Bandwidth of Reflective and Traveling-Wave SOAs", published in IEEE Journal of Lightwave Technology, vol. 33, no. 13, pp. 2758-2764, 2015.

At the end of this issue, First call for papers for the 13th International Conference on Advanced Technologies, Systems and Services in Telecommunications - TELSIS 2017 appears.

Editor-in-Chief, Associate Editor and reviewers of this journal are volunteers with regular full-time jobs, who are helping to run Microwave Review. There is no paid position at the journal. Selection of submitted papers for publication is a very hard work. So, I would like to thank Associate Editor and all valued anonymous reviewers whom support made the paper selection process possible and this issue publishable and real.

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