



Editor's Note

Dear readers,

For the first issue of Microwave Review in 2013 we have selected six scientific papers covering different areas from microwaves and telecommunications. Two first papers are devoted to optimization methods which can be used as alternative to standard optimization routines in microwave simulators. In the first paper authors from KIIT University, India propose using of the particle swarm optimization for thinning of elliptical and concentric elliptical antenna arrays. This paper is followed by a paper written by the authors the Ambedkar Institute of Advanced Communication Technologies and Research and the Jadavpur University, India. The paper deals with applications of artificial neural networks and genetic algorithm for optimal design and performance verification of a broadband waveguide filter.

The remaining four papers have been selected jointly with the Collegiate Body of the Serbian Society for Electronics, Telecommunications, Computers, Automation, and Nuclear Engineering (ETRAN) based on the papers presented at 57th ETRAN Conference. Namely, starting from this year, the authors of the best papers presented at the ETRAN conference, held in June 2013 in Zlatibor, Serbia, have been invited to submit extended versions of their papers for possible publication in several Serbian journals. The selection of the best papers has been done according to scores of the review process and opinion of the session chairs. The extended manuscripts have been reviewed and the following four papers have been selected for publication in Microwave Review. The first two papers belong to the Microwave and Submillimeter Wave field and the other two to the fields of Antennas and Propagation Commission and Telecommunications, respectively. The first paper, whose author is with the IMTEL Komunikacije, Belgrade, Serbia, proposes an extended extended configuration of the antiparallel band pass filters with two independently adjustable transmission zeros, suitable for the synthesis of RF and microwave filters with favourable characteristics. In the next paper a group of authors with the University of Novi Sad, Serbia gives consideration for use of an inkjet technology for fabrication of microwave circuits. This paper is followed by a paper discussing the convergence of finite-element-method solutions for electric field distributions of resonant modes. Authors of the paper are with the University of Belgrade, Serbia and Colorado State University, USA. The correlation of geomagnetic component disturbances and 5 GHz line-of-sight (LOS) received signal daily variation is investigated in the paper written by authors from the University of Defence, Military Academy, Belgrade, Serbia and the RT-RK, Institute for Computer Based Systems, Novi Sad, Serbia.

The scientific papers are followed by a report on the XLVIII International Scientific Conference on Information, Communication and Energy Systems and Technologies - ICEST 2013 held in June 2013 in Ohrid, Macedonia.

At the end of this issue you can find information about IEEE MTT-S Education Committee Scholarship and Fellowship programs. The deadline for application is October 31, 2013.

I would like to thank all contributors, reviewers and the Collegiate Body ETRAN Society. I'm inviting you and your colleagues to submit manuscripts for possible publishing in the forthcoming issues of Microwave Review.

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