



Editor-in-Chief: A Message

Dear members and readers,

The second issue in 2017, December issue of the *Microwave Review* journal contains five research papers, as well as reports of several national/international conferences organized in cooperation with Serbia and Montenegro IEEE MTT-S Chapter and National Society for Microwave Technique, Technologies and Systems.

The first paper of this issue relied on a call to authors of an invited paper, which has been presented and appeared in the proceedings of the 4th IcETran International Conference, to submit their conference paper for publication in the *Microwave Review* journal. Paper *RF and Microwave Filter Design By Means of Single Transistor Active Inductor: A Review* written by Vincenzo Stornelli, Leonardo Pantoli, Alfiero Leoni, and Giorgio Leuzzi from Italy addressed a general review of RF and microwave active filters design method by the use of a single transistor grounded active inductor (AI). The AI is composed by only a passive variable phase and amplitude compensating network and a single transistor amplifier, forming a similar gyrator-C architecture. As reported in the literature the design method can be applied with success for the design of bandpass filters with very high performances in terms integration and performances.

A next part of this December issue is related to papers selected for publication after being reviewed by qualified anonymous referees.

In the paper entitled *A Novel Segmentation Approach in GA and its Application in Antenna Array* a pragmatic strategy employing a segmentation technique is proposed in order to explore the solution space in an efficient manner and to achieve the optimum solution. The application of this technique for the practical engineering problem of side lobe reduction in antenna arrays has been presented. The authors are Bhargav Appasani and Nisha Gupta from India.

Depolarization Phenomenon in Ku-Band Feed Horn Antenna is the title of the paper written by group of authors from India: Ramesh Chandra Gupta, Jigar Pandya, K. K. Sood, and Rajeev Jyoti. The paper provides a novel hybrid horn antenna configuration. A new hybrid horn antenna is designed and developed by combination of stepped, axial and radial corrugation section. Due to imperfect fabrication of a circular-to-rectangular transition, polarization rotation may occur, particularly at Ku-or higher bands.

The paper *A Ka-Band Geophysical Model Function* proposes the improved geophysical model function which can be used for developing and testing the wind retrieval algorithms for Ka-band remote sensing instruments. Authors are Alexey Nekrasov and Dmitry Popov from Russia, and Klaus Schünemann from Germany.

The last paper selected for publication is related to electromagnetic problems and SAR evaluation. The paper entitled *Specific Absorption Rate Evaluation in a Typical Multilayer Fruit: Coconut with Twig due to Electromagnetic Radiation as per Indian Standards* is written by Ardhendu Kundu, Bhaskar Gupta, and Amirul I. Mallick from India.

Assist. Prof. Zlatica Marinković, chair of the IEEE MTT-S Chapter of Serbia and Montenegro, gives a report about chapter activities in 2017.

This was one impressive year for conferences organized in cooperation with Serbia and Montenegro IEEE MTT-S Chapter and National Society for Microwave Technique, Technologies and Systems. The conferences reach more members of our growing community, and they represent a key activity to engage engineers, scientists and technologists throughout the world. One national and three international events organized in 2017 are reported here.

Summary of 61st ETRAN and 4th IcETLAN Meetings is given by prof. Dr. Predrag Petković, Program Committee Chair, and Academician Prof. Dr. Dejan B. Popović, president of the ETRAN Society.

Report of Balkan Event in the Information, Communication and Energy Systems and Technologies - ICEST 2017 held in Serbia, Niš on June 2017 is written by Prof. Dr. Bratislav Milovanović, ICEST 2017 Chair, Dr. Biljana Stošić, Assist. Prof. Zoran Stanković, and Prof. Dr. Nebojša Dončov from University of Niš, Faculty of Electronic Engineering, Serbia.

The thirteenth edition of TELSIXS, under the new name, *International Conference on Advanced Technologies, Systems and Services in Telecommunications* was held at the Faculty of Electronic Engineering, University of Niš, Serbia from October 18th to 20th, 2017. Report of TELSIXS Conference - The Thirteenth Edition in 2017 is given by Dr. Tijana Dimitrijević, Dr. Biljana Stošić, and Assist. Prof. Zoran Stanković on behalf of the Organizing Committee; Prof. Dr. Nebojša Dončov on behalf of the Technical Program Committee, and Conference General Chair, Prof. Dr. Bratislav Milovanović.

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 2016 was given to Anđelija Ilić, Branko Bukvić, Milan Ilić, and Djuradj Budimir for the contribution "Graphene-based Waveguide Resonators for Submillimeter-wave Applications", published in Journal of Physics D: Applied Physics, vol. 49, no. 32, pp. 325105 (14), 2016.

The MTT community in Serbia lost Prof. Dr. Aleksandar Nešić in October 2017. His remarkable personality of a talented engineer, a creative leader and a hardworking scientist, his worldclass results in the field of microwave techniques and his contributions to the establishment, development and achievements of the Institute of Applied Physics, and later the Institute of Microwave Techniques and Electronics, will always be remembered by many colleagues with whom Professor Nešić worked side by side during his long and successful career from 1959 till 2017. The last part of this issue is devoted to Professor Nešić.

All involved people in this journal: Editor-in-Chief, Associate Editor and reviewers contribute as volunteers. Selection of submitted papers for publication in journal is a very hard work. There may be a phase of high load where reviewers cannot find time to work on papers, and because of that a processing time make take several months.

I would like to thank all valued anonymous reviewers who were able to engage with this journal in 2017, and to show my appreciation for the time and effort they have spent on evaluating manuscripts submitted to Microwave Review journal. Their role as a reviewer is a very important contribution to the success of the journal.

Wish you lots of love, joy, success and happiness in New 2018!

Dr. Biljana Stošić

University of Niš, Faculty of Electronic Engineering
Aleksandra Medvedeva 14
18000 Niš
SERBIA
E-mail: biljana.stosic@elfak.ni.ac.rs