



## Editor's Note

The papers presented in this new issue of Microwave Review, a journal of the Serbian Society for Microwave Theory and Technique and of the IEEE MTT-S Chapter of Serbia and Montenegro, come from four countries from Balkan region (Greece, Montenegro, Bulgaria and Serbia) and cover several interesting topics.

The first paper reports on a contribution in the field of terrestrial digital video broadcasting. The authors V.S.G. Tsiafakis, Y.J. Petropoulos, C.D. Lampiris and C.N. Capsalis from the Department of Electrical Engineering, Division of Information Transmission Systems and Material Technology of the National Technical University of Athens, Greece, present a new technique in order to improve the receiving DVB-T signal in portable reception, by slight steering of the antenna radiation diagram.

The second paper is related to satellite communications and the authors are Vladimir Vuković from National Employment Service, Belgrade, Serbia, and Ranko Vojinović, Police Directorate of Montenegro, Podgorica, Montenegro. This paper presents a method for exact throughput analysis of adaptive GBN scheme in error-prone satellite channels with two states. The presented technique is based on using retransmission cycles without limitation on slow time-varying channels and condition that transmission of any frame starts and ends in the same transmitter mode.

Metamaterial-based components and devices are widely investigated in the recent time. The analysis of metamaterial unit cells based on the square grounded patch resonator is presented in the third paper. The authors Vasa Radonić and Vesna Crnojević-Bengin from the Faculty of Technical Science, Novi Sad, Serbia, and Branka Jokanović from Intel Communication, Belgrade, Serbia, discuss the influence of geometrical parameters on unit cell performances and give guidelines for corresponding stop-band filter design.

The authors from Bulgaria, Marin Nedelchev and Ilia G. Iliev from the Department of Radiocommunication and Videotechnologies of the Faculty of Communications and Communication Technologies, Technical University, Sofia, propose in the next paper a method for synthesis and analysis of reduced size branch-line hybrids, applicable to uniplanar structure design.

The topic of the fifth paper presented in this issue is related to microwave measurements. The authors Predrag Rakonjac from the Technical Test Center, Ministry of Defense of Republic of Serbia, Belgrade, Serbia, and Bratislav Milovanović and Nebojša Dončov from the Faculty of Electronic Engineering, Niš, Serbia, summarize in that paper the basic concepts of the radio frequency and microwave power standards, power sensors, and basic methods of power sensors calibration. An automated system for power sensors calibration in the frequency range from 10 MHz to 26.5 GHz is presented together with an analysis of measurement uncertainty.

Finally, there is a report on the main activities of IEEE MTT-S Chapter of Serbia and Montenegro in the period from September 1, 2007 to August 31, 2008 that was given by B. Milovanović on the occasion of this year's IEEE Chair Chapter Meeting.

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