

Table of Contents

A Message from the Editor-in-Chief	1
Measurement of Permittivity of Solid and Liquid Dielectrics in Coaxial Chambers	3
<i>Antonije Dorđević, Jelena Dinkić, Marija Stevanović, Dragan Olćan, Suzana Filipović, Nina Obradović</i>	
Iterative MoM-Based Technique for Evaluation of Bistatic RCS of Electrically Large Scatterers	10
<i>Miodrag S. Tasić, Branko M. Kolundžija</i>	
Rate Maximization in Wireless Powered Communication Systems with Non-Ideal Circuit Power Consumption	16
<i>Ivana Nikoloska, Zoran Hadzi-Velkov, Hristina Chingoska</i>	
Modeling of Aperture Fields for Cavities Excited by Stochastic Current Sources	21
<i>Michael Haider, Biljana P. Stošić, Mohd H. Baharuddin, Nebojša S. Dončov, David W. P. Thomas, Peter Russer, Johannes A. Russer</i>	
Printed Crossed Dipoles Antenna with Switchable Sense of Circular Polarization	27
<i>Ivana Radnović, Aleksandar Nešić</i>	
Two-dimensional Microwave and Millimeter Planar Antenna Arrays with Circular Polarization and High Gain	31
<i>Aleksandar D. Nešić, Dušan A. Nešić</i>	
IEEE in the Former Yugoslavia Region – a 45 Year-Long History	37
<i>Vera Marković</i>	
Serbia and Montenegro IEEE MTT-S Chapter Activities in 2016	44
<i>Zlatica Marinković</i>	
Report on the ICEST 2016 Conference	46
<i>Cvetko Mitrovski</i>	
“Aleksandar Marinčić“ Award	48

Published by

Society for Microwave Theory, Technologies and Systems

IEEE MTT-S Chapter of Serbia and Montenegro

Published twice a year

Editor-in-Chief/Technical Editor

Biljana Stošić

Associate Editor

Branko Kolundžija

Editorial Board

Djuradj Budimir

Westminster University, United Kingdom

Alina Caddemi

University of Messina, Italy

Cristophe Caloz

Ecole Polytechnique de Montreal, Canada

Christos Christopoulos

University of Nottingham, United Kingdom

Octavian Fratu

Politehnica University of Bucharest, Romania

Branka Jokanović

Institute of Physics, Belgrade, Serbia

Branko Kolundžija

University of Belgrade, Serbia

Zlatica Marinković

University of Niš, Serbia

Vera Marković

University of Niš, Serbia

Bratislav Milovanović

University of Niš, Serbia

Aleksandar Nešić

IMTEL Communications A.D., Belgrade, Serbia

Peter Russer

Technical University Munich, Germany

Magdalena Salazar Palma

Universidad Politécnica de Madrid, Spain

Dominique Schreurs

Katholieke Universiteit Leuven, Belgium

Georgy Stoyanov

Technical University of Sofia, Bulgaria

Andre Vander Vorst

Université Catholique de Louvain, Belgium

Ke Wu

Ecole Polytechnique de Montreal, Canada

Cover page/Cover photo

Biljana Stošić

Printed by NAIS PRINT Design, Niš

Number of printed copies 100

ISSN 1450-5835 (Print)

ISSN 2406-1050 (Online)

UDK 621.3.049.77



http://www.mtt-serbia.org.rs/microwave_review/

Free on-line access to all published articles

Indexed in Scopus, IET Inspec, and EBSCOhost databases

Covered topics:

1. Microwave and RF devices and circuits
2. Electromagnetic fields and guided waves
3. Antennas and propagation
4. Light-wave technology and fiber optics
5. Microwave communication systems
6. Wireless communication systems
7. Fiber-optic communication systems
8. Computational and numerical techniques
9. Signal and image processing
10. Biomedical and industrial applications of microwaves
11. Electromagnetic compatibility
12. Education in telecommunications

Only papers that contain original and previously unpublished authors' research results can be submitted. Exceptionally, in the invited papers an overview of the state of the art in some fields can be given.

All papers are peer-reviewed before publishing.

The camera-ready manuscripts are sent by e-mail either to the editor or to the technical editor.

The both formats listed below should be sent:

1. An original document written in Microsoft Word format
2. A camera-ready paper in Adobe PDF format.

Instructions for preparing a camera ready copy are available at the journal website.

Editor-in-Chief,

Dr. Biljana Stošić

University of Niš, Faculty of Electronic Engineering
Aleksandra Medvedeva 14
18000 Niš, Serbia
Phone: +381 18 529 303
Fax: +381 18 588 399
E-mail: biljana.stosic@elfak.ni.ac.rs

CIP - Каталогизacija u publikaciji
Narodna biblioteka Srbije, Beograd

621.3.049.77

MIKROTALASNA revija = Microwave Review /
editor Biljana Stošić. - 1997, br. 1- . -
Beograd : Society for Microwave Theory,
Technology and Systems : IEEE MTT-S Chapter
of Serbia and Montenegro, 1997- (Niš : Nais
Print Design). - 29 cm

Polugodišnje. - Je nastavak: Informator
Jugoslovenske IEEE MTT sekcije = ISSN
0354-7124
ISSN 1450-5835 = Mikrotalasna revija
COBISS.SR-ID 13958528