



<http://www.mwr.medianis.net>

Sadržaj / Table of Contents

| | |
|--|----|
| Editor's Note..... | 1 |
| Discrete-Time Network and State Equation Methods Applied to Computational Electromagnetics | 2 |
| <i>J. Russer, Y. Kuznetsov, P. Russer</i> | |
| Modelling of Wide Band Comline and Interdigital Filters | 15 |
| <i>A. Abramowicz</i> | |
| Electromagnetic Interference and Start-up Dynamics in High Frequency Crystal Oscillator Circuits..... | 23 |
| <i>U. L. Rohde, A. K. Poddar, R. Lakhe</i> | |
| A Novel Broadband Power Amplifier Using ATI | 34 |
| <i>U. L. Rohde, A. K. Poddar, B. Bhat, M. Gurunathan</i> | |
| Corona Discharge in Microwave Devices: A Comparison of Ionization Rate Models..... | 41 |
| <i>E. Sorolla, M. Mattes</i> | |
| FDTD and Ray Optical Methods for Indoor Wave Propagation Modeling | 47 |
| <i>L. Nagy</i> | |
| Report on ICEST 2010 Conference | 54 |
| <i>C. Mitrovski, B. Milovanović, R. Arnaudov</i> | |

Mikrotalasna revija
Microwave Review

Časopis Nacionalnog Udruženja za
mikrotalasnu tehniku i tehnologiju i
IEEE MTT-S Chapter-a Srbije i Crne Gore

Publication of National
Society for Microwave Theory and Technique
and IEEE MTT-S Chapter of Serbia and
Montenegro

Izlazi dva puta godišnje
Published twice a year

ISSN 14505835, UDK 621.3.049.77

Urednik / Editor
Prof. Vera Marković

Tehnički urednik / Technical Editor
Zlatica Marinković

Cover design

Aleksandar Atanasković, Zlatica Marinković
Photo provided by courtesy of
Dr. Ajay Poddar

Uređivački odbor / Editorial Board

Prof. Christos Christopoulos,
University of Nottingham, United Kingdom

Prof. Aleksandar Marinčić,
Faculty of Electrical Engineering,
Belgrade, Serbia

Prof. Bratislav Milovanović,
Faculty of Electronic Engineering, Niš, Serbia

Prof. Aleksandar Nešić,
IMTEL Institute, Belgrade, Serbia

Prof. Andre Vander Vorst,
Université catholique de Louvain, Belgium

Prof. Ke Wu,
Ecole Polytechnique de Montreal, Canada

Štampa / Printed by
GLIF, Niš
Tiraž / Number of printed copies
300