

INTERNATIONAL JOURNAL OF

**MICROWAVE AND WIRELESS TECHNOLOGIES****CONTENTS****FILTERS**

**Balanced quasi-elliptic-type dual-passband filters using planar transversal coupled-line sections and their digital modeling**  
Li Yang, Mohamed Malki, José-María Muñoz-Ferreras and Roberto Gómez-García 365

**Design of miniaturized single and dual-band bandpass filters using diamond-shaped coupled line resonator for next-generation wireless systems**  
Bilal Mushtaq and Sohail Khalid 375

**POWER AMPLIFIERS**

**High efficiency 35 GHz MMICs based on 0.2  $\mu\text{m}$  AlGaIn/GaN HEMT technology**  
Busra Cankaya Akoglu, Batuhan Sutbas and Ekmel Ozbay 384

**Doherty power amplifier output networks with maximized bandwidth**  
Sinan Alemdar and Abdullah Atalar 393

**RADAR**

**Signal fusion research in passive radar based on polarization diversity technology**  
Yucheng Yi, Lu Zhu and Xiaomao Cao 410

**An adaptive approach for the detection of contrast targets for the through-wall imaging**  
Mandar K. Bivalkar, Sashwat Pandey and Dharmendra Singh 424

**METAMATERIALS AND PHOTONIC BANDGAP STRUCTURES**

**A novel modified circular ring-based broadband polarization-insensitive angular stable circuit analog absorber (CAA) for RCS applications**  
Mohammad Abdul Shukoor and Sukomal Dey 440

**MICROWAVE MEASUREMENTS**

**A surface deformation measurement algorithm for reflector antennas based on complex geometrical optics**  
Boyang Wang, Qian Ye, Li Fu, Guoxiang Meng, Qinghui Liu and Zhiqiang Shen 454

**Automatic golden device selection and measurement smoothing algorithms for microwave transistor small-signal noise modeling**  
Andrei S. Salnikov, Igor M. Dobush, Artem A. Popov, Dmitry V. Bilevich, Aleksandr E. Goryainov, Alexey A. Kalentyev and Aleksandr A. Metel 465

**ANTENNA DESIGN, MODELING AND MEASUREMENTS**

**Improved feeds for log-periodic microstrip antenna arrays**  
Arjuna Muduli and Rabindra K. Mishra 477

**Novel circularly polarized slot array antennas with a wide 3-dB axial ratio bandwidth based on a spindle-shaped radiating cavity**  
Hai Wang, Xue Lei, Tiandong Duan, Tianpeng Li, Jun Gao and Mingyang Zhao 486

**Circular polarized two-element textile antenna with high isolation and polarization diversity for wearable applications**  
Anubhav Kumar, Asok De and R. K. Jain 493

**Design of low profile high gain antenna using loop-based wideband artificial magnetic conductor for UWB applications**  
Ravi Prakash Dwivedi, Usha Kiran Kommuri, Sudipta Das, Soufian Lakrit and Vishal Goyal 502

**A compact SWB MIMO antenna with 45° clock-wise square patch inclusions for polarization diversity applications**  
Shobit Agarwal, Ashwani Sharma, Ignacio J. Garcia Zuazola and Manoj Kumar 513

**Design of dual band-notched UWB hexagonal printed microstrip antenna**  
Surajit Mukherjee, Avisankar Roy, Smarajit Maity, Tapas Tewary, Partha Pratim Sarkar and Sunandan Bhunia 526

**Current trends and future perspective of designing on-chip antennas**  
Harshvardhan Singh and Sujit Kumar Mandal 535

Cambridge Core

For further information about this journal please go to the journal web site at:

[cambridge.org/mrf](https://www.cambridge.org/mrf)**CAMBRIDGE**  
UNIVERSITY PRESS