

INTERNATIONAL JOURNAL OF

MICROWAVE AND WIRELESS TECHNOLOGIES**CONTENTS****RADAR****An improved gain-phase error self-calibration method for robust DOA estimation**

Wencan Peng, Chenjiang Guo, Min Wang and Yuteng Gao

105

Compact polarimetry for automotive applications

Christian Erhart, Steffen Lutz, Marc A. Mutschler, Philipp A. Scharf, Thomas Walter, Hubert Mantz and Robert Weigel

114

SEMICONDUCTOR DEVICES AND IC-TECHNOLOGIES**A streamlined drain-lag model for GaN HEMTs based on pulsed S-parameter measurements**

Peng Luo, Frank Schnieder, Olof Bengtsson, Valeria Vadalà, Antonio Raffo, Wolfgang Heinrich and Matthias Rudolph

121

PASSIVE COMPONENTS AND CIRCUITS**A compact planar diplexer based on via-free CRLH TL for WiMAX and WLAN applications**

Abhishek Kumar and Dileep Kumar Upadhyay

130

A novel balanced-to-balanced power divider based on three-line coupled structure

Zhen Tan, Qing-Yuan Lu and Jian-Xin Chen

139

METAMATERIALS AND PHOTONIC BANDGAP STRUCTURES**Design of graded honeycomb radar absorbing structure with wide-band and wide-angle properties**

Yuchen Zhao, Fang Ren, Li He, Jinsheng Zhang, Yanning Yuan and Xiaoli Xi

143

The quest for perfect electromagnetic absorber: a review

Manish Mathew Tirkey and Nisha Gupta

151

FILTERS**A hybrid surface-to-surface transition-based UWB-BPF with multiple in-band interference suppression**

Abu Nasar Ghazali, Jabir Hussain and Srikanta Pal

168

ANTENNA DESIGN, MODELING AND MEASUREMENTS**Design and development of wide band dual-polarized magneto electric dipole antenna for mobile communications**

Lakshminarayana Pollayi, Rama Krishna Dasari and Vijay M. Pandharipande

175

A compact, dual wide-band circularly polarized, modified square ring slot antenna for C and Ku band applications

Shilpee Patil, Anil Kumar Singh, Binod Kumar Kanaujia and R. L. Yadava

182

Material distributive topology design of UWB antenna using parallel computation of improved BPSO with FDTD

A. P. Thilaga Shri Chandra, L. Senthilkumar and M. Meenakshi

190

A microstrip antenna with reduced in-band and out-of-band radar cross-section

Jiakai Zhang, Jiachen Xu, Yan Qu, Jun Ding and Chenjiang Guo

199

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