
ELECTROMAGNETIC WAVES
PIERB 65

Progress

In

Electromagnetics

Research B

© 2016 EMW Publishing. All rights reserved.

No part of this publication may be reproduced. Request for permission should be addressed to the Publisher.

All inquiries regarding copyrighted material from this publication, manuscript submission instructions, and subscription orders and price information should be directed to: EMW Publishing, P. O. Box 425517, Kendall Square, Cambridge, Massachusetts 02142, USA.

ELECTROMAGNETIC WAVES
PIERB 65

Progress
In
Electromagnetics
Research B

Chief Editors: Weng Cho Chew and Sailing He

EMW Publishing
Cambridge, Massachusetts, USA

CONTENTS

Generalized Optical Theorem in the Time Domain Edwin A. Marengo and Jing Tu.....	1
PSO Algorithm of Retrieving Surface Ducts by Doppler Weather Radar Echoes Junwang Li, Hongguang Wang, Zhensen Wu, and Lei Li	19
An Iterative Shrinkage Deconvolution for Angular Super-Resolution Imaging in Forward-Looking Scanning Radar Yuebo Zha, Yulin Huang, and Jianyu Yang.....	35
Magnetic Induction Tomography with High Performance GPU Implementation Lu Ma, Robert Banasiak, and Manuchehr Soleimani	49
Miniaturized Slotted Ground UWB Antenna Loaded with Metamaterial for WLAN and WiMAX Applications Ritesh Kumar Saraswat and Mithilesh Kumar	65
Optimized Superconducting Nanowire Single Photon Detectors to Maximize Absorptance Mária Csete, Gábor Szekeres, András Szenes, Balázs Bánhelyi, Tibor Csentes, and Gábor Szabó	81
High Resolution Near-Field Electromagnetic Holography for Dynamic Source Identification in Underwater Mediums Hatim F. Alqadah, Nicolas P. Valdivia, and Earl G. Williams.....	109
New De-Embedding Method with Look-Up Table for Characterization of High Speed Interconnects Shaowu Huang and Beomtaek Lee	129
Novel Broadband Equalizer Optimization Technique for High-Speed Digital System Designs Shaowu Huang and Beomtaek Lee	143
Design of Compact Double-Layer Microwave Absorber for X-Ku Bands Using Genetic Algorithm Hisham A. El-Hakim, K. R. Mahmoud, and A. A. Abdelaziz	157