Progress
In
Electromagnetics
Research B
Progress
In
Electromagnetics
Research B

Chief Editors: Weng Cho Chew and Sailing He
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 Székeres, András Szenes, Balázs Bánhelyi, Tibor Csendes, 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