

International Journal of Information and Electronics Engineering

CONTENTS

Volume 4, Number 2, March 2014

Clustered Compressed Sensing in fMRI Data Analysis Using a Bayesian Framework.....	74
<i>Solomon A. Tesfamicael and Faraz Barzideh</i>	
An Efficient Pipelined Multiplicative Inverse Architecture for the AES Cryptosystem.....	81
<i>Mostafa Abd-El-Barr and Amro Khattab</i>	
RFID Identification Protocol with Optimal Frame Size for Varying Slot Time.....	86
<i>Chul Wan Park, Ji Hyoung Ahn, and Tae-Jin Lee</i>	
Design and Optimization of CMOS 0.18 μ m Low Noise Amplifier for Wireless Applications.....	92
<i>V. P. Bhale and U. D. Dalal</i>	
An Interference-Free Frequency Assignment Method Based on Hybrid Pattern.....	98
<i>Donglei Zhang, Xiedong Hao, Hongwei Yan, and Feng Han</i>	
SIDP: A Secure Inter-Domain Distributed PMIPv6.....	103
<i>Muhammad Zubair, Xiangwei Kong, Saeed Mahfooz, and Irum Jamshed</i>	
Iterative Synthesis Techniques for Multiple-Valued Logic Functions.....	111
<i>Mostafa Abd-El-Barr</i>	
Comparative Analysis of Matched Filter and Wavelets for Radar Noise Reduction.....	116
<i>Md Saiful Islam and Uipil Chong</i>	
Complexity Analysis of Iterative Decoders in Mobile Communication Systems.....	121
<i>Archana Bhise and Prakash Vyavahare</i>	
Research on the Risk Assessment of Urban Power Network Planning Based on Improved Risk Matrix.....	129
<i>Jie Yao and Yu Jiang</i>	
Experimental Investigation of Reed-Solomon Error Correction Technique for Wireless Sensor Network.....	133
<i>Cheng-Lai Cheah, Poh-Ling Tan, and Chee-Kit Ho</i>	
Assessing Website Usability Attributes Using Partial Least Squares.....	137
<i>Nur Sukinah Aziz and Adzhar Kamaludin</i>	
Neural Networks Based Efficient Multiple Multicast Routing for Mobile Networks.....	145
<i>Vijaya Kumar B. P. and Dilip Kumar S. M.</i>	
RFID Reader Receiver Using Blind Signal Estimation for Multiuser Detection.....	153
<i>Sarun Duangsuwan and Sathaporn Promwong</i>	
EM Wave Effects upon the Human Body Using UWB Antennas.....	158
<i>Bader Saadi Fadhel and Muhammad Ramlee Kamarudin</i>	

Criteria for Evaluating the Performance of Arabic Digital Libraries.....	162
<i>Jinan S. Ahmed and Sihama G. Ali</i>	
Optimal Design of Modulation Parameters for Underwater Acoustic Communication.....	166
<i>Hai-Peng Ren and Yang Zhao</i>	
Performance Observation of Gabor Filter for Wall Thickness Measurement of Human Colon Based on Ultrasound Image.....	171
<i>C. Pahl, J. Lam, H. N. Abduljabbar, E. Supriyanto, and Y. M. Myint</i>	