

International Journal of Information and Electronics Engineering

CONTENTS

Volume 5, Number 5, September 2015

• Information and Communication

- Evaluation of Detection Range of an Active RFID in Outdoor Environment Using Receiver Diversity with Maximal Ratio Combining..... 322
S. P. Majumder and Khalid Mahmud
- Security Challenges of DTN Mechanism for IoUT..... 330
Khamdamboy Urunov, Jung-Il Namgung, and Soo-Hyun Park
- Secure Opportunistic Computing Privacy Preserving Group Signature Authentication Scheme for M-Healthcare Emergency..... 335
Angolo Shem Mbandu, Xu Chunxiang, and Kamenyi Domenic Mutiria
- Neural Network Frequency Selector for Maximum Power Transfer..... 342
Karim Gamal El-Sayed, Ranim Al Ahdab, and Ahmed El-Shenawy

• Signal Processing

- Weighted Feature-Level Fusion of Color Local Texture Features for Face Recognition..... 346
Thanh-Dung Dang and Xuan-Thu Tuong Thi
- Implementation of a Novel Watermarking Technique for Devanagari Text..... 352
Nitin N. Patil and J. B. Patil
- Detection of Breast Cancer Using Electrical Impedance and RBF Neural Network..... 356
P. C. Shetiye, A. A. Ghatol, V. N. Ghate, and S. R. Patil

• Applied Electronics

- Design of a Modified Gabor Filter with Vedic Multipliers Using Verilog HDL..... 361
Naheean Rahim, Shamayla Islam, and Iqbalur R. Rokon
- Interactive UHD Digital Signage System for Multi-Screen Displays..... 366
Sung-Won Moon, Jeongwoo Lee, Jungsoo Lee, and Kisong Yoon
- The Integration Development Platform and Application of the Avionics System Based on the Model-Driven 370
Tianjiang An and Jia Liu
- Design Synthesis of 5.8 GHz Octagonal AMC on a Very Thin Substrate..... 376
M. Abu, E. E. Hussin, R. F. Munawar, and H. Rahmalan
- Implementation of Digital Cinema Mastering System Supporting Multiple Encoding and Wrapping Servers 381
Yeonjeong Jeong, Bumho Kim, Dowon Nam, and Kisong Yoon

Classification Rules for the Job Shop Scheduling Problem with Machine Breakdowns.....	300
<i>N. Said, W. Mouelhi, and K. Ghedira</i>	
Development of Formaldehyde Detector.....	385
<i>Crystalyinne D. Cortez, Franz Christian Bato, Theofill Jake G. Bautista, Julius Mel G. Cantor, Celestino L. Gandionco III, and Stephany P. Reyes</i>	
Hierarchical Architecture of JPEG2000 Parallel Encoder on Multi-GPU Cluster System.....	390
<i>Bumho Kim, Jeong-Woo Lee, and Ki-Song Yoon</i>	
A Study on Digital Signage Interaction Using Mobile Device.....	394
<i>Jung Soo Lee, Sung Won Moon, Jeong Woo Lee, and Ki Song Yoon</i>	