

International Journal of Computer and Electrical Engineering

Table of Contents

Volume 3 Number 1, February 2011

Fault Tolerant Variable Block Carry Skip Logic (VBCSL) Using Parity Preserving Reversible Gates.....	1
<i>Md. Saiful Islam, M. M. Rahman, Zerina Begum and M. Z. Hafiz</i>	
DC Coefficients Based Watermarking Technique for color Images Using Singular Value Decomposition.....	8
<i>V.Santhi and Arunkumar Thangavelu</i>	
Neural Network Technique for Lossless Image Compression Using X-Ray Images.....	17
<i>N. Senthilkumaran and Dr. J. Suguna</i>	
TRV Rating Concepts and Generation of TRV Envelopes for Synthetic Testing of Extra High Voltage Circuit Breakers.....	24
<i>J. G. Jamnani and Mrs. S.A. Kanitkar</i>	
Improved Adaptive Learning Algorithm for Constructive Neural Networks.....	30
<i>S.S.Sridhar and M.Ponnaivaikko</i>	
Optimal Power Control Technique for a Wireless Sensor Node: A New Approach.....	37
<i>R. Maheswar and R. Jayaparvathy</i>	
PLL Synchronization with PID Controller Based Shunt Active Power Line Conditioners.....	42
<i>Karuppanan P and Kamala Kanta Mahapatra</i>	
Approximate Closed-Form Expression of the Electric Field of a Conical Horn Antenna.....	48
<i>Mohammad Asif Zaman, Md. Gaffar, Md. Mushfiqul Alam, Sayed Ashraf Mamun, Sajid Muhaemin Choudhury and M. A. Matin</i>	
Model Based Design of Regulated Bidirectional ZVS Bidirectional DC to DC Converter.....	55
<i>G. Themozhi and S. Rama Reddy</i>	
Metadata Extraction Using Case-based Reasoning for Heterogeneous Thai Documents.....	60
<i>Krisda Khankasikam</i>	
A Smart Discrete Fourier Transform Algorithm Based Digital Multifunction Relay for Power System Protection.....	66
<i>P. Suresh Babu and S. V. Jayaram Kumar</i>	
Closed Loop Controlled Low Noise SMPS System Using Forward Converter.....	74

<i>P. Vijaya Kumar and S. Rama Reddy</i>	
Averaged Modeling of Non-ideal Boost Converter Operating in DCM.....	79
<i>Guang-jun Xie, Xuan Zhao, Hai-bin Fang and Hui-fang Xu</i>	
Replacing Various Analog Signal Sensors with Digital Cameras.....	84
<i>A.Justin Diraviam, S.P.Victor, G.Rajakumar, K. Rajappan and D.manimegalai</i>	
An Effective Service Oriented Model for Power System Transient Stability Analysis.....	94
<i>M.Balasingh Moses, V. Ramachandran and P.Lakshmi</i>	
Issues in Underwater Acoustic Sensor Networks.....	101
<i>Manjula.R.B and Sunilkumar S. Manvi</i>	
Detection of Eccentricity Faults in Machine Using Frequency Spectrum Technique.....	111
<i>Intesar Ahmed, Manzar Ahmed, Kashif Imran, M. Shuja Khan and S. Junaid Akhtar</i>	
Using Multicast Data Dissemination to maintain Cache Consistency in Location-dependent Mobile Environment.....	120
<i>Kahkashan Tabassum and A. Damodaram</i>	
Auto Inter-Carrier Frequency Offset Rectification Using Conjugate Cancellation in Multi-carrier CDMA Broadband Communications.....	130
<i>Mohamed Khedr, Entesar Gemeay, Said El-noubi and Mohamed Nasr</i>	
An Algorithm for the Resolution of a Mixture of Preservatives with Overlapped Chromatogram.....	137
<i>S. Anbumalar, P. Ramesh babu and R. Anandanatarajan</i>	
Least Square Linearization of a Nonlinear System with Excitation-Application to a Nonlinear Junction Type Josephson.....	141
<i>M.F. Bendahmane, T. Benouaz and N. Ghouali</i>	
Texture Recognition with Combined GLCM,Wavelet and Rotated Wavelet Features.....	146
<i>Dipankar Hazra</i>	
RFID Technology Principles, Advantages, Limitations & Its Applications.....	151
<i>Mandeep Kaur, Manjeet Sandhu, Neeraj Mohan and Parvinder S. Sandhu</i>	
Experimental Investigations on Two Inductor Boost Converter System.....	158
<i>G. Kishor, D.Subbarayudu and S.Sivanagaraju</i>	
Prediction of Key Symptoms of Learning Disabilities in School-Age Children Using Rough Sets.....	163
<i>Julie M. David and Ka nnan Balakrishnan</i>	