

International Journal of Computer Theory and Engineering

CONTENTS

Volume 3, Number 4, August 2011

Network Flow Modeling: An Approach to Allocating Contractors to Public Works.....	479
<i>Arogundade O. Tale, Xiaoguang Yang, and S. Onimole</i>	
Performance Analysis of Distributed Association Rule Mining with Apriori Algorithm.....	484
<i>M. A. Mottalib, Kazi Shamsul Arefin, Mohammad Majharul Islam, Md. Arif Rahman, and Sabbeer Ahmed Abeer</i>	
Dengue Outbreak Prediction: A Least Squares Support Vector Machines Approach.....	489
<i>Yuhanis Yusof and Zuriani Mustaffa</i>	
ASIC Implementation of Neural Network Based Image Compression.....	494
<i>K. Venkata Ramanaiah and Cyril Prasanna Raj</i>	
Character Segmentation in Gurumukhi Handwritten Text using Hybrid Approach.....	499
<i>Rajiv Kumar and Amardeep Singh</i>	
Spatial Analysis of Signal Strength in a Wireless Communication Medium for Indoor Geolocation System.....	502
<i>J. Agajo, O. Joseph, S. E. Ezewe, and A. Theophilus</i>	
Enhanced Rule Induction Using Incremental Approach for a Dynamic Information System.....	509
<i>B. K. Tripathy, Kumaran K., M. Sumaithri, and T. Swathi</i>	
Lightweight Cryptography: Underlying Principles and Approaches.....	516
<i>Sergey Panasenko and Sergey Smagin</i>	
Improving Quos Parameter by Eliminating Hidden Terminal Problem.....	521
<i>W. U. Khan and Ashutosh Mishra</i>	
Analysis and Design of Alternating Step Shrinking Generator (ASSG) for Improved Security.....	525
<i>Ghoosia Arshad, Aihab Khan, Malik Sikandar Hayat Khiyal, and Mina Masood</i>	
Data Mining Ethics in Privacy Preservation - A Survey.....	529
<i>S. M. Mahajan and A. K. Reshamwala</i>	
Control of DC Drive by Bridgeless PFC Boost Topology.....	534
<i>M. Gopinath and S. Ramareddy</i>	
Routing Enhancement Specific to Mobile Environment Using DTN.....	537
<i>Hemal Shah and Yogeshwar. P. Kosta</i>	
A Novel Curvelet Thresholding Function for Additive Gaussian Noise Removal.....	543
<i>Yaser Norouzzadeh and Mahdi Jampour</i>	

An Assessment of Awareness, Usage Pattern and Adoption of 3G Mobile Services in Botswana.....	547
<i>Deepti Garg and Ajay K. Garg</i>	
Billet Optimization for Steering Knuckle Using Taguchi Methodology.....	552
<i>Nassir S. Al-Arifi, Abu S. Zamani, and Jalaluddin Khan</i>	
Low Complexity Pipelined Architecture for Real-Time Generic Video Scaling.....	557
<i>Asmar A. Khan</i>	
Segmentation Algorithm for CT Images Using Morphological Operation and Artificial Neural Network.....	561
<i>C. Karthikeyan and B. Ramadoss</i>	
Data-Driven Scenario Test Generation for Information Systems.....	565
<i>P. Tanuska and T. Skripcak</i>	
A Generalized Pseudo-SSO Scheme.....	571
<i>Sergey Panasenko</i>	
Modified Architectural Support to Implement Tomasulo's Algorithm on Tournament Branch Predictor.....	575
<i>Rubina Khanna, Vinay Chopra, and Sweta Verma</i>	
Software Quality Control Based on Genetic Algorithm.....	579
<i>S. Keshavarz and Reza Javidan</i>	