

Journal of Computers

ISSN 1796-203X

Volume 5, Number 1, January 2010

Contents

Special Issue: Selected Papers of the IEEE International Conference on Computer and Information Technology (ICIT 2008)

Guest Editors: Syed Mahfuzul Aziz, Vijayan K. Asari, M. Alamgir Hossain, Mohammad A. Karim, and Mariofanna Milanova

Guest Editorial <i>Syed Mahfuzul Aziz, Vijayan K. Asari, M. Alamgir Hossain, Mohammad A. Karim, and Mariofanna Milanova</i>	1
--	---

SPECIAL ISSUE PAPERS

Cutting a Cornered Convex Polygon Out of a Circle <i>Syed Ishtiaque Ahmed, Md. Ariful Islam, and Masud Hasan</i>	4
Decision Tree Based Routine Generation (DRG) Algorithm: A Data Mining Advancement to Generate Academic Routine and Exam-time Tabling for Open Credit System <i>Ashiqur Md. Rahman, Sheik Shafaat Giasuddin, and Rashedur M Rahman</i>	12
Anomaly Network Intrusion Detection Based on Improved Self Adaptive Bayesian Algorithm <i>Dewan Md. Farid and Mohammad Zahidur Rahman</i>	23
Performance Evaluation for Question Classification by Tree Kernels using Support Vector Machines <i>Muhammad Arifur Rahman</i>	32
Recurrent Neural Network Classifier for Three Layer Conceptual Network and Performance Evaluation <i>Md. Khalilur Rhaman and Tsutomu Endo</i>	40
An Enhanced Short Text Compression Scheme for Smart Devices <i>Md. Rafiqul Islam and S. A. Ahsan Rajon</i>	49
Design and Analysis of an Effective Corpus for Evaluation of Bengali Text Compression Schemes <i>Md. Rafiqul Islam and S. A. Ahsan Rajon</i>	59
A Corpus-based Evaluation of a Domain-specific Text to Knowledge Mapping Prototype <i>Rushdi Shams, Adel Elsayed, and Quazi Mah- Zereen Akter</i>	69
Implementation of Low Density Parity Check Decoders using a New High Level Design Methodology <i>Syed Mahfuzul Aziz and Minh Duc Pham</i>	81

REGULAR PAPERS

A Formal Model for Abstracting the Interaction of Web Services <i>Li Bao, Weishi Zhang, and Xiong Xie</i>	91
--	----

Performance Evaluation of Elliptic Curve Projective Coordinates with Parallel GF(p) Field Operations and Side-Channel Atomicity <i>Turki F. Al-Somani</i>	99
VPRS-Based Knowledge Discovery Approach in Incomplete Information System <i>Shibao Sun, Ruijuan Zheng, Qingtao Wu, Tianrui Li</i>	110
NaXi Pictographs Input Method and WEFT <i>Hai Guo and Jing-ying Zhao</i>	117
A Systematic Decision Criterion for Urban Agglomeration: Methodology for Causality Measurement at Provincial Scale <i>Yaobin Liu and Li Wan</i>	125
Application of Improved Fuzzy Controller for Smart Structure <i>Jingjun Zhang, Liya Cao, Weize Yuan, Ruizhen Gao, and Jingtao Li</i>	131
Numerical Simulation of Snow Drifting Disaster on Embankment Project <i>Shouyun Liang, Xiangxian Ma, and Haifeng Zhang</i>	139
The Simulation of Extraterrestrial Solar Radiation Based on SOTER in Zhangpu Sample Plot and Fujian Province <i>Zhi-qiang Chen and Jian-fei Chen</i>	144
Multiplicate Particle Swarm Optimization Algorithm <i>Shang Gao, Zaiyue Zhang, and Cungen Cao</i>	150
Research and Design of Intelligent Electric Power Quality Detection System Based on VI <i>Yu Chen</i>	158
