

Journal of Computers

ISSN 1796-203X

Volume 6, Number 10, October 2011

Contents

Special Issue: Recent Advances in Intelligent Information Technology & Network Security

Guest Editor: Fei Yu, Haiwen Liu, Wenlang Luo, Huojiao He, and Chin-Chen Chang

Guest Editorial 2001
Fei Yu, Haiwen Liu, Wenlang Luo, Huojiao He, and Chin-Chen Chang

SPECIAL ISSUE PAPERS

Optimization Strategy of Top-Down Join Enumeration on Modern Multi-Core CPUs 2004
Wanli Zuo, Yongheng Chen, Fenglin He, and Kerui Chen

A Novel Failure Detection Algorithm for Reliable Distributed Systems 2013
Yunni Xia, Chuanjian Jiang, Tianhao Sun, Ruilong Yang

A Dynamic Security Mechanism for Web Services Based on NDIS Intermediate Drivers 2021
Ye Du, Jiqiang Liu, Ruhui Zhang, and Jieyuan Li

Robust and Efficient Annotation based on Ontology Evolution for Deep Web Data 2029
Kerui Chen, Wanli Zuo, Fan Zhang, Fengling He, and Yongheng Chen

Differentiation and Numerical Integral of the Cubic Spline Interpolation 2037
Shang Gao, Zaiyue Zhang, and Cungen Cao

Adaptive Detection of Moving Vehicle Based on On-line Clustering 2045
Jian Wu, Jie Xia, Jian-ming Chen, and Zhi-ming Cui

REGULAR PAPERS

Using an Ensemble of Support Vector Machine Classifiers to Predict Protein Supersecondary Structural Motifs 2053
Dongsheng Zou, Zhongshi He, and Yuan Yan

Human Motion Classification Based on Global Representation and Conditional Model 2060
Hao Zhang, Zhijing Liu, Haiyong Zhao, and Qing Wei

On Preliminary Research into Correlativity between Mechanical Characteristics of Sole of Foot and Upper Limb while Walking 2068
Yi Gao

The Study for the Prediction Model of China Population Growth 2076
Jingguo Qu, Yuhuan Cui, Aimin Yang, Yamian Peng, and Huancheng Zhang

SVM Optimization based on BFA and its Application in AE Rotor Crack Fault Diagnosis 2084
Xuejun Li, Dalian Yang, and Jigang Wu

Time-Frequency Entropy Analysis of Alternating Current Square Wave Current Signal in Submerged Arc Welding <i>Kuanfang He, Jigang Wu, and Guangbin Wang</i>	2092
Fault Statistics and Mode Analysis of Steam-induced Vibration of Steam Turbine based on FMEA Method <i>Chengbing He and Yujiong Gu</i>	2098
Study on Measurement of Supply Chain Synergy based on Relational Capital and Interactive Learning <i>Lu Shan</i>	2104
An Adaptive Method for Choosing Center Sets of RBF Interpolation <i>Dianxuan Gong, Jincai Chang, and Chuanan Wei</i>	2112
Sea-level Rise Forecast Model <i>Lihong Li, Lihui Zhou and Hongjun Lian</i>	2120
Semantic Retrieval Based on SPARQL and Fuzzy Ontology for Electronic Commerce <i>Jun Zhai, Jianfeng Li, and Yan Lin</i>	2127
Urban Transit Inquiry System and Optimal Route Selection Model <i>Jianli Cao</i>	2135
A Comparison between the Linear Neural Network Method and the Multiple Linear Regression Method in the Modeling of Continuous Data <i>Guoli Wang, Jianhui Wu, Jianhua Wu, and Xiaohong Wang</i>	2143
Comparison of B-spline Method and Finite Difference Method to Solve BVP of Linear ODEs <i>Jincai Chang, Qianli Yang, and Long Zhao</i>	2149
Recent Advances in Cloud Security <i>Jiyi Wu, Qianli Shen, Tong Wang, Ji Zhu, and Jianlin Zhang</i>	2156
Maxi-linear Deviation Searching Algorithm Based on Improved Pyramid Filter <i>Lizhao Liu, Ying Wang, Maoqing Li, Yufeng Chen, and Tianhua Zhang</i>	2164
Study of An Improved Genetic Algorithm Based on Fixed Point theory and hJ1 triangulation in Euclidean Space <i>Jingjun Zhang, Hongxia Wang, and Ruizhen Gao</i>	2173
Text Clustering Using a Suffix Tree Similarity Measure <i>Chenghui Huang, Jian Yin, and Fang Hou</i>	2180
Improving QoS Of WiMAX By On_Demand Bandwidth Allocation Based On PMP Mode <i>ZhenTao Sun, Abdullah Gani, XiuYing Sun, and Ning Liu</i>	2187
Strategies Combination of Multi-strategy Ontology Mapping based on Entropy Decision-making <i>Rujuan Wang, Lei Liu, and Gang Wang</i>	2196
The Dynamic Effect of the First-line and Middle Manager Competence on IT Application <i>Manhui Huang and Chi-Sum Wong</i>	2204
Modeling A Generic Web Classification System Using Design Patterns <i>Udomsit Sukakanya and Kriengkrai Porkaew</i>	2212
A Study on Image Quality Assessment using Neural Networks and Structure Similarity <i>Chih-hsien Kung, Wei-sheng Yang, and Chih-ming Kung</i>	2221

The Storage Technology for GIS Data Realization <i>Bin Zhu and Anbao Wang</i>	2229
A 3D Local Interaction Strategy for Swarm Robot <i>Xiang Li and Ximing Liang</i>	2237
A Novel Model for the Optimization of Interplanetary Trajectory Using Evolutionary Algorithm <i>Zhiqing Luo, Guangming Dai, and Lei Peng</i>	2243
Internal P-set and Security Transmission-identification of Information <i>Xiu-qing Yu</i>	2249
