

# Journal of Computers

ISSN 1796-203X

Volume 9, Number 11, November 2014

## Contents

---

### REGULAR PAPERS

- On the Use of Adaptive Fuzzy Wavelet Filter in the Speech Enhancement 2501  
*Chih-Chia Yao, Ming-Hsun Tsai, and Yuan-Tain Chang*
- Propagation of Active Worms in P2P Networks: Modeling and Analysis 2514  
*Haokun Tang, Yukui Lu, Shitong Zhu, and Jun Huang*
- A Forest Health Assessment Method Based on ABC-MNN 2525  
*Zhou Fang, Nihong Wang, and Chao Ma*
- A Time-based Pre-distribution Shared Key Pool Design 2530  
*Linfeng Wei, Caiting Huang, Guoxiang Yao, Meixiu Zhou, and Qingliang Chen*
- A Forensic Analysis Method for Redis Database Based on RDB and AOF File 2538  
*Ming Xu, Xiaowei Xu, Jian Xu, Yizhi Ren, Haiping Zhang, and Ning Zheng*
- Short-term Prediction Method of Resources Occupancy for LBS Guidance System 2545  
*Ming Cen, Yuan Wei, Chunyang Wang, and Yongfu Li*
- A Communication-aware Scheduling Algorithm for Hardware Task Scheduling Model on FPGA-based Reconfigurable Systems 2552  
*Yingying Sheng, Yan Liu, Renfa Li, and Xiongren Xiao*
- A New Clustering Method Based On Type-2 Fuzzy Similarity and Inclusion Measures 2559  
*Dongmei Li, Tao Li, and Tao Zhao*
- Graph Regularized Non-negative Matrix Factorization By Maximizing Correntropy 2570  
*Le Li, Jianjun Yang, Kaili Zhao, Yang Xu, Honggang Zhang, and Zhuoyi Fan*
- Development of Multi-model for Cogeneration System Using Statistical Analysis 2580  
*Jiao Chen, Tianhong Pan, and Yanqin Han*
- SAR Image Despeckling via Bivariate Shrinkage Based on Directionlet Transform 2587  
*Feng Xue, Dexiang Zhang, and Honghai Wang*
- Content-adaptive Traffic Surveillance Video Coding with Extended Spatial Scalability 2595  
*Yunpeng Liu, Renfang Wang, Dechao Sun, Shijie Yao, Nayi Hong, and Peng Jin*
- Rectangular Network Reliability Computation Based on Isomorphism Determination 2603  
*Yufeng Xiao*
- New Stereo Video Quality Assessment Metric for Three Dimensional Video Systems 2609  
*Xianwei Tang, Mei Yu, Xin Jin, Zongju Peng, Feng Shao, and Gangyi Jiang*
- Variable-weight Combination Prediction of Thermal Error Modeling on CNC Machine Tools* 2616  
*Zhiming Feng and Guofu Yin*
-

---

<i>Game Approach for Handover Scheme Based on Road-section in VANET</i> <i>Di Wu, Yingrong Bi, and Jie Liang</i>	2621
<i>A New Information Transmission Model of Product Quality and Safety Based on Government Intervention</i> <i>Yingcheng Xu, Xiaohong Gao, and Yueyang Yang</i>	2629
<i>Connectivity-based Performance Evaluation for Mobile Cognitive Radio Network</i> <i>Shuqi Liu, Yiming Wang, and Cuimei Cui</i>	2635
<i>Visual Loop Closure Detection with Scene Mutual Information for Mobile Robot</i> <i>Ning Liu and Junjun Wu</i>	2642
<i>A Multi-attribute Model to Compute Review's Value in C2C</i> <i>Leiyue Yao and Wei Yang</i>	2648
<i>A New Scheme for Range Queries over Encrypted Data</i> <i>Shanyue Bu, Yue Zhang, and Kun Yu</i>	2656
<i>The Application of an Active Contour Method for Extracting Human Face Contour</i> <i>Yupeng Xia and Feng Hu</i>	2661
<i>A Comprehensive Trust Model Based on Reputation and Fuzzy Theory</i> <i>Xianghe Wei, Hong Zhang, Xuan Mo, Yong Qi, Zhen Liu, and Qianmu Li</i>	2666
<i>A Novel Fast-view System for Multi-channel Remote Sensing Camera</i> <i>Yongqiang Cui, Dingwen Wang, Hua Xiong, Shuai Zhang, and Xi Liu</i>	2677
<i>An Optimal Savitzky-golay Filtering Based Vertical Handoff Algorithm in Heterogeneous Wireless Networks</i> <i>Dan Tong, Zhenhong Jia, Xizhong Qin, Chuanling Cao, and Chun Chang</i>	2685
<i>An Identity-based Cryptography Scheme Based on FullIdent Algorithm</i> <i>Yumin Xie and Muhammad Kamran</i>	2691
<i>Testing Methods of Component Contents during Rare-earth Extraction Process Based on Image Feature Retrieval</i> <i>Sen Wang, Zijie Gao, and Rongxiu Lu</i>	2697
<i>Design and Implementation of Regional Numerical Weather Prediction Operation Management System</i> <i>Jing Sun, Juan Li, and Yu Shen</i>	2704
<i>Dual Threshold Scheduling for VoIP Traffic on Downlink of WiMAX Networks</i> <i>Chin-ling Chen and Cheng-yi Pan</i>	2712
<i>A Novel Image Retrieval Algorithm Based on Adaptive Weight Adjustment and Relevance Feedback</i> <i>Shu-qin Liu and Jin-ye Peng</i>	2720
<i>Improvement on a Fuzzy Identity-based Encryption Scheme</i> <i>Guoyan Zhang and Feng Wang</i>	2727
<i>Performance Evaluation of Green Supply Chains: A DEA-based Approach for the Chemical Industry</i> <i>Jun-Der Leu and Mei-Niang Fan</i>	2733
<i>Seismic Profile Texture Feature Extraction Algorithm Merged Directional Derivative into GLCM Method</i> <i>Tianshi Liu and Minmin Xiao</i>	2738

---

---

Human Gait Identification Based on Difference Image <i>Jinyan Chen and Gang Li</i>	2744
Shuffled Frog Leaping Algorithm for Hardware/Software Partitioning <i>Jiayi Du, Xiangsheng Kong, Xin Zuo, Lingyan Zhang, and Aijia Ouyang</i>	2752
Fuzzy Logic Model of Surprise <i>Rui Qiao, Yajun Feng, Xiaolei Zhong, Qiaojia Liu, and Heng He</i>	2761

---

