

Journal of Software

ISSN 1796-217X

Volume 8, Number 10, 2013

Contents

REGULAR PAPERS

- Quantitative Analysis of Design Decisions for Dynamic Reconfiguration 2391
Zhikun Zhao, Pengfei Zhao, and Wei Li
- A New Error Correction Algorithm for Chinese Placename 2397
Ou Ye, Jing Zhang, and Junhuai Li
- A Group Key Agreement With Efficient Communication for Ad Hoc Networks 2406
Zongyu Song, Pengfei Cai, and Jie Yang
- Identification and Removal of Software Security Vulnerabilities using Source Code Analysis: A Case Study on a Java File Writer Program with Password Validation Features 2412
Natarajan Meghanathan
- How Much Integrated Development Environments (IDEs) Improve Productivity? 2425
Iyad Zayour and Hassan Hajjdiab
- A Configuration Driven Modeling Approach for Resources Optimization of Multi-tenant Applications 2432
Xiang Huang and Zhi-gang Chen
- Hand Segmentation for Hand-based Biometrics in Complex Environments 2439
Wei Bu, Kuanquan Wang, Xiangqian Wu, Xin Cui, and Qiushi Zhao
- Task Scheduling Algorithm in Grid Environment Based on Duplication and Insertion 2447
Lijun Cao, Xiyin Liu, Torkel Hans-Georg, and Zhongping Zhang
- Software Behavior Modeling Based on Invariant Constraints 2455
Cheng Peng, Lu-ming Yang, and Jun-feng Man
- Analyzing Software Quality Evolution using Metrics: An Empirical Study on Open Source Software 2462
Nicholas Drouin, Mourad Badri, and Fadel Touré
- A Parallel Evolution based Intelligent Optimization Algorithm to Solve Large-scale Production Planning Problem in Defense Industry 2474
Yu Zhou and Jiang Jiang
- Net Radiation Estimated from the FY-2D Data over the Source Region of the Yellow River 2482
Rong Liu, Jun Wen, Xin Wang, Yue Kang, and Yu Zhang
- An Optimized Grey Cluster Model for Evaluating Quality of Labor Force 2489
Ling-ling Pei and Zheng-xin Wang
- Multiple Yard Cranes Scheduling Model and Algorithm in the Mixture Storage Block 2495
Hongxing Zheng, Kai Yu, and Chuang Tu
-

An Empirical Study of the Critical Factors Influencing Learner Satisfaction and Effectiveness: A 3D CAD System's Perspective <i>Xuefang Zhang, Renqun Huang, and Hong Chen</i>	2503
Route Planning Based on Gradient-Field Quantum Genetic Algorithm Model <i>Yangguang Sun and Mingyue Ding</i>	2511
Geometric and Kinematics Modeling of Tele-operated Virtual Construction Robot <i>Xiao Li, Zhifeng Huang, and Haotian Li</i>	2517
A Learning Method for Non-fixed Speed Gait Classification <i>Hongmin Xue and Zhijing Liu</i>	2522
3D Reconstruction and Visualization of Volume Data in Electrical Capacitance Tomography <i>Hua Yan, Yang Lu, and Yifan Wang</i>	2529
A Dynamic Programming Method for Segmentation of Online Cursive Uyghur Handwritten Words into Basic Recognizable Units <i>Mayire Ibrayim, Askar Hamdulla, and Dilmurat Tursun</i>	2535
A Just Noticeable Distortion Based Rate Control Algorithm for Multiview Video Coding <i>Qiaoyan Zheng, Gangyi Jiang, Fen Chen, Zongju Peng, Feng Shao, and Mei Yu</i>	2541
A Novel User-based Web Services Evaluation and Selection Model <i>Hai-yan Wang and Sui-chang Wang</i>	2549
An Improved Harmony Search Algorithm for Constrained Multi-Objective Optimization <i>Yuelin Gao, Xia Chang, and Yingzhen Chen</i>	2554
Factor Analysis of the Advanced Manufacturing Mode Diffusion Based on System Dynamics <i>Chaogai Xue</i>	2562
Maximum Power Point Tracking of Photovoltaic Generation Based on Forecasting Model <i>Weiliang Liu, Changliang Liu, Liangyu Ma, Yongjun Lin, and Jin Ma</i>	2569
Research on Feature Extraction of Halftone Image <i>Zhiqiang Wen, Yongxiang Hu, and Wenqiu Zhu</i>	2575
Topology Analysis of China's Port Shipping Network <i>Beibei Hu and Gang Zong</i>	2581
An Adaptive Rate Control Initialization Method for H.264 at Low Bit Rate <i>Jinbao Cai and Yalin Wu</i>	2587
Coupling Technique for Distributed High Performance Earth System Simulation Framework <i>Shanshan Li</i>	2594
Automatic Test Paper Generation Based on Ant Colony Algorithm <i>Dan Liu, Jianmin Wang, and Lijuan Zheng</i>	2600
An Interactive Approach for Multi-Attribute Resource Allocation in Grids <i>Lili Ding, Wanglin Kang, and Xinmin Liu</i>	2607
C-Cell: An Efficient and Scalable Network Structure for Data Centers <i>Hui Cai, ShengLin Li, and Wei Wei</i>	2612
Mission-Integrated Path Planning for Planetary Rover Exploration <i>Peng Wu and Hehua Ju</i>	2620

Detecting MP3Stego using Calibrated Side Information Features <i>Xianmin Yu, Rangding Wang, and Diqun Yan</i>	2628
An Approach for Web Service QoS Dynamic Prediction <i>Hai Yan and Zhi-zhong Liu</i>	2637
Research on Server Push Methods in Web Browser based Instant Messaging Applications <i>Kai Shuang and Kai Feng</i>	2644
Traffic Sign Recognition Technology Based on BOW Model <i>Hongwei Gao, Zhe Liu, Yueqiu Jiang, and Bin Li</i>	2652
LEACH-G: an Optimal Cluster-heads Selection Algorithm based on LEACH <i>Hongwei Chen, Chunhua Zhang, Xinlu Zong, and Chunzhi Wang</i>	2660
Automated Trust Negotiation Model based on Dynamic Game of Incomplete Information <i>Hongwei Chen, Shuping Wang, Hui Xu, Zhiwei Ye, and Chunzhi Wang</i>	2668
