

Journal of Software

ISSN 1796-217X

Volume 9, Number 10, October 2014

Contents

REGULAR PAPERS

- | | |
|---|------|
| 3D CAD Model Representation and Retrieval Based on Hierarchical Graph
<i>Bo Ding, Xiao-yang Yu, and Lu Liu</i> | 2499 |
| Computational Features of the Thinking and the Thinking Attributes of Computing: on Computational Thinking
<i>Wenchong Shi, Maohua Liu, and Peter Hendler</i> | 2507 |
| Optimizing Test Case Execution Schedule using Classifiers
<i>Xiang Chen, Zhaofei Tan, Jian Xia, and Pengfei He</i> | 2514 |
| Detecting double-compressed MP3 with the Same Bit-rate
<i>Pengfei Ma, Rongding Wang, Diqun Yan, and Chao Jin</i> | 2522 |
| Improved marching cubes using novel adjacent lookup table and random sampling for medical object-specific 3D visualization
<i>Xuchu Wang, Yanmin Niu, Li-wen Tan, and Shao-Xiang Zhang</i> | 2528 |
| Trusted Puzzle Solvers without Clock Support against Spam and Denial-of-Service Attacks
<i>Rui Deng and Zuoning Chen</i> | 2538 |
| Reliability and Portability Assessment Tool Based on Hazard Rates for an Embedded Open Source Software
<i>Yoshinobu Tamura and Shigeru Yamada</i> | 2546 |
| General Construction of Chameleon All-But-One Trapdoor Functions and Their Applications
<i>Jinyong Chang and Rui Xue</i> | 2557 |
| A Two-Stage Method for Scientific Papers Analysis
<i>Damien Hanyurwimfura, Bo Liao, Emmanuel Masabo, and Gaurav Bajpai</i> | 2564 |
| Mass Customization based-Method for Datacenters Computer Room Monitoring System
<i>Changgeng Yu and Guixiong Liu</i> | 2574 |
| Event-Driven Extraction of HTTP Payload From Concurrent Streams
<i>Mingzhe Li, Jinlin Wang, Xiao Chen, and Jun Chen</i> | 2579 |
| Intelligent Algorithm for Assignment of Agents to Human Strategy in Centralized Multi-agent Coordination
<i>Reza Nourjou, Stephen F. Smith, Michinori Hatayama, and Pedro Szekely</i> | 2586 |
| Distributed Storage and Processing Method for Big Data Sensing Information of Machine Operation Condition
<i>Fan Zhang, Zude Zhou, and Wenjun Xu</i> | 2598 |
| Design and Implementation of Privacy-preserving Recommendation System Based on MASK
<i>Yonghong Xie, Aziguli Wulamu and Xiaojing Hu</i> | 2607 |
-

Hybrid Adaptive Software Development Capability: An Empirical Study <i>Asif Qumer Gill</i>	2614
Memory Optimization for Global Protein Network Alignment Using Pushdown Automata and De Bruijn Graph Based Bloom Filter <i>MD. Sarwar Kamal and Mohammad Ibrahim Khan</i>	2622
An Incremental Approach to Modeling Flexible Workflows Using Activity Decomposition and Gradual Refinement <i>Yanrong Jiang, Weihua Li, and Jingtao Yang</i>	2628
Simulation System for Airborne Weather Radar Control and Display Based on Virtual Instrument <i>Lihua Ruan, Yong Li and Yingjie Yu</i>	2638
A proposal for a method to translate MAP model into BPMN process diagram <i>Houda Kaffela, Naoufel Kraiem, Jamil Dimassi and Zuhoor Al-Khanjari</i>	2645
Incorporating Fault Tolerance Mechanism into Grid Meta-scheduler <i>Hong He</i>	2651
Grid Resource Discovery Algorithm of the Multi-layer Overlay Network Model Based on Distance <i>Zhongping Zhang, Long He, and Shanshan Shi</i>	2658
Measuring Depth Perception for Stereoscopic Images Using a Phase-shift Model <i>Qiuping Jiang, Shanshan Wang, Kemeng Li, and Feng Shao</i>	2665
Method to Enhance Degraded Image in Dust Environment <i>Ting Yan, Liejun Wang , and Jiaxing Wang</i>	2672
An Improving Infrared Image Resolution Method via Guided Image Filtering <i>Wei Gan, Chao Ren, Xiaofei Wang, and Xiaohai He</i>	2678
Research on Real-time Performance Testing Methods for Robot Operating System <i>Ming Huang, Shujie Guo, Xu Liang, and Xudong Song</i>	2685
Modeling and Verification for Track Circuit Encoding in Train Control Center Based on UML and TA <i>Lei Yuan, Lijuan Wang, Dewang Chen, and Amie Albrecht</i>	2693
Coalescence Type Based Confidence Warping for Agglutinative Language Keyword Spotting <i>Ji Xu, Yeming Xiao, Jielin Pan and Yonghong Yan</i>	2699
Speeding up deep neural network based speech recognition systems <i>Yeming Xiao, Yujing Si, Ji Xu, Jielin Pan, and Yonghong Yan</i>	2706
Design and Implementation of Human Body Composition Information Management System Based on Android <i>Bing Liu, Xiaofeng Li, He Zhao, Yang Yang, and Li Zhang</i>	2713
Approximate String Similarity Join using Hashing Techniques under Edit Distance Constraints <i>Peisen Yuan, Haoyun Wang, Jianghua Che, Shougang Ren, Huanliang Xu, and Dechang Pi</i>	2721
Investigation and Study on the Present Situation of Enterprise Website Construction of Intellectual Property Agencies <i>Xiaohong Wang and Jianping Wu</i>	2732
Patterns Support for Automatic Resource Management in Cloud Computing <i>Guangjun Cai, Lei Zhang, Bin Zhao and Yong Liu</i>	2741

An Improved LDA Model for Academic Document Analysis <i>Yuyan Jiang, Yuan Shao, Ping Li and Qing Wang</i>	2749
An Energy Efficient Routing Based on Swarm Intelligence for Wireless Sensor Networks <i>Yong Lv</i>	2758
Analysis of Abnormality Diagnosis in Emergency Medicine by Integrating K-means and Decision Trees-a Case Study of Dongyang People's Hospital in China <i>Zhong Lv, Jinkan Du, Wen-Tsann Lin, Shen-Tsu Wang, Chia-Ching Chang, Meng-Hua Li, and Zheng-Han Zhuang</i>	2764
