Journal of Software

ISSN 1796-217X

Volume 7, Number 4, April 2012

Contents

Special Issue: Selected Best Papers of the 2011 International Conference on Intelligent Computing and Information Science (ICICIS2011)

Guest Editors: Dongye Su and Ran Chen

Guest Editorial Dongye Su and Ran Chen	725
SPECIAL ISSUE PAPERS	
Efficient Mining Algorithms of Finding Frequent Datasets Lijuan Zhou and Zhang Zhang	727
Framework of Analyzing Service-Centric Cluster Supply Chain: A Case Study of Collaborative Procurement Xiao Xue, Zhe Wei, and Zhifeng Zeng	733
Research of Vehicle Type Recognition System Based on Audio Video Interleaved Flow for Toll Station Wei Zhan and Zhiqing Luo	741
Content Classification by Folksonomies: Framework of Social Bookmarking System Shih-Ming Pi, Hsiu-Li Liao, Su-Houn Liu, and Chen-Wen Lin	745
Mining Large-Scale Social Images with Rich Metadata and Its Application Zheng Liu, Hua Yan, and Huijian Han	749
Unified Electronic Currency and its Software Design based on the Fourth Party Platform Integrated Payment Service Yong Xu and Qiqi Hu	757
2-Tier Cloud Architecture and Application in Electronic Health Record Wenjun Zhang	765
Test Model for Security Vulnerability in Web Controls based on Fuzzing Guoxiang Yao, Quanlong Guan, and Kaibin Ni	773
Automatic Feature Template Generation for Prosodic Phrasing Fangzhou Liu and You Zhou	779
Virtual Reality-based Chemical Process Simulation of Pipeline System Cheng-jun Chen and Yi-qi Zhou	786
Medical Organization Information Security Management Based on ISO27001 Information Security Standard Kuo-Hsiung Liao and Hao-En Chueh	792

Optimization of Enterprise Information System based on Object-based Knowledge Mesh and Binary Tree with Maximum User Satisfaction <i>Haiwang Cao and Chaogai Xue</i>	798		
Intelligent Process Quality Control System for Mass Customization Xingyu Jiang, Xueyan Sun, Shijie Wang, and Rui Wang Multiple Faces Tracking Based on Relevance Vector Machine Wenxing Li and Liming Lian Metadata-oriented Data Model Supporting Railway Distributed System Integration Hanning Wang, Weixiang Xu, and Chaolong Jia	804 810 814		
		REGULAR PAPERS	
		Aspect-Oriented Formal Techniques of Cyber Physical Systems <i>Lichen Zhang</i>	823
A Novel Method for Modeling RFID Data Kun Bai, Shaoxi Li, Tao Liu, and Jing Tian	835		
Research and Application of Data Archiving based on Oracle Dual Database Structure Cui Jin, Naijia Liu, and Li Qi	844		
The Effect of Real-valued Negative Selection Algorithm on Web Server Aging Detection Yiwen Liang, Huan Yang, Jun Fu, Chengyu Tan, Aolin Liu, and Shiwen Zhu	849		
A Rapid Cryptography Algorithm Based on Chaos and Public Key Yun-peng Zhang, Xia Lin, Qiang Wang, and Richard O. Sinnott	856		
A Vision based Geometrical Method to find Fingers Positions in Real Time Hand Gesture Recognition Ankit Chaudhary, Jagdish L. Raheja, and Shekhar Raheja	861		
Formal Specification and Impementation of RBAC Model with SOD Su Yu and Jon. J. Brewster	870		
A User-Oriented and Context-Aware Web Services Composition Yiqiang Li and Zhiliang Zhu	878		
Using Ontology-based BDI Agent to Dynamically Customize Workflow and Bind Semantic Web Service Chih-Hao Liu and Jason Jen-Yen Chen	884		
Service Development Research for ICT Companies Based on Service Science Analysis <i>Hui Wang</i>	895		
Research of Personalized Web-based Intelligent Collaborative Learning Rui Zeng and Ying-yan Wang	904		
Research on Behavior Modeling Method of Agent-Based CGF Guojun Song, Xiaodong Mu, and Haijing Zhang	913		
Data Dependant Learners Ensemble Pruning Gang Zhang, Jian Yin, Xiaomin He, and Lianglun Cheng	919		
Evidence on E-Banking Customer Satisfaction in the China Commercial Bank Sector Zhengwei Ma and Jinkun Zhao	927		