Journal of Software

ISSN 1796-217X

Volume 5, Number 9, September 2010

Contents

Special Issue: Recent Advances in Computer Science and Engineering - Track on Software
Guest Editor: Fei Yu, Chin-Chen Chang, Jian Shu, Guangxue Yue, and Naiping Hu

Guest Editorial 923
Fei Yu, Chin-Chen Chang, Jian Shu, Guangxue Yue, and Naiping Hu

SPECIAL ISSUE PAPERS

Cognition Inspired Object Oriented Knowledge Warehouse Architecture 926
Xixu Fu and Hui Wei

An Approximate Optimal Damping Control Method for Nonlinear Time-delay Systems with Disturbances 934
De-xin Gao and Jing-jing Wang

A Receipt-free Coercion-resistant Remote Internet Voting Protocol without Physical Assumptions through Deniable Encryption and Trapdoor Commitment Scheme 942
Bo Meng, Zimao Li, and Jun Qin

The Topological Properties of the Approximation Operators on A CCD Lattice 950
Yan Gao, Jilin Yang, and Weifeng Du

A Hybrid Real-Time Scheduling Approach on Multi-Core Architectures 958
Pengliu Tan, Jian Shu, and Zhenhua Wu

A General Framework for Multi-Human Tracking 966
Ahmed Ali and Kenji Terada

Performance Analysis of System Model Based on UML State Diagrams and Continuous-time Markov Chains 974
Yefei Zhao, Zongyuan Yang, Jinkui Xie, and Qiang Liu

An Approach to Analyzing User Preference based Dynamic Service Composition 982
Guisheng Fan, Huiqun Yu, Liqiong Chen, and Caizhu Yu

An Approach to Formally Modeling and Verifying Distributed Real-time Embedded Software 990
Liqiong Chen, Guisheng Fan, and Yunxiang Liu

REGULAR PAPERS

RDB-MINER: A SQL-Based Algorithm for Mining True Relational Databases 998
Abdallah Alashqur

CT Image De-noising Model Based on Independent Component Analysis and Curvelet Transform 1006
Guangming. Zhang, Zhiming Cui, Jianming Chen, and Jian Wu

Effects of Violent and Non-violent Computer Video Games on Explicit and Implicit Aggression 1014
Xuemin Zhang, Chang Liu, Langlang Wang, and Qiuhong Piao

A Novel Shape Representation and Retrieval Algorithm: Distance Autocorrelogram 1022
Jie-xian Zeng, Yong-gang Zhao, and Xiang Fu

Testing Conformance of BPEL Business Process Based on Model Checking 1030
Rongsheng Dong, Zhao Wei, Xiangyu Luo, and Fang Liu

Plumpness Recognition and Quantification of Rapeseeds using Computer Vision 1038
Jinwei Li, Guiping Liao, Xiaojuan Yu, and Zhao Tong