Contents

REGULAR PAPERS

Palmprint Recognition Using 2D-FLDA From a Single Image Per Person
Jinyu Guo, Haibin Chen, and Yuan Li

531

Bisimulation-based Consistency Checking on Syndrome Feng-Shi-Re-Bi in Rheumatoid Arthritis
Guang Zheng, Kai Cui, Junping Zhan, Zekun Ning, Miao Jiang, Cheng Lu, and Aiping Lu

536

Comparative Analysis of Software Network and CK Metrics: Implications for Pre- and Post-release Faults
Fangjun Wu

541

QoS-aware SaaS Services Selection with Interval Numbers for Group User
Zhanlin Yu and Longchang Zhang

553

DYBS: A Lightweight Dynamic Slicing Framework for Diagnosing Attacks on x86 Binary Programs
Erzhou Zhu, Feng Liu, Xianyong Fang, Xuejun Li, Yindong Yang, and Alei Liang

560

Design and Implementation of AIRF: A Anycast-Based Integrated Routing Framework for WSNs
Guofeng Yan, Yuxing Peng, Shuhong Chen, and Junyi Liu

569

Animation Simulation of Visualization Management System in the Iron and Steel Enterprises: The Design and Its Implementation
Puyu Hao, Yufen Feng, Weijun Ge, and Guangfeng Zhao

576

A Fast Method for Extracting all Minimal Siphons from Maximal Unmarked Siphons of a Petri Net
Qiaoli Zhuang and Wenzhan Dai

582

Test Case Generation of Web Service Composition based on CP-nets
Yuying Wang and Ning Yang

589

A Fast Kd-tree Construction for Ray Tracing based on Efficient Ray Distribution
Xiao Liang, Hongyu Yang, Yinling Qian, and Yanci Zhang

596

Blog Interface Producing Mechanism in Learning Management System
Hsu-Chen Cheng and Wen-Wei Liao

605

Study on the Group Cooperative Innovation Based on WEB2.0
Jiangang Pang, Lina Jie, and Fan Xu

613

SMS-based Remote Computer Supervisory Control System Design
Xin-kan Mu and Yong-hong Chen

621

Layout of Gas Station Based on Multi-Agent Simulation
Qing Zhou, Chaorui Bu, and Yuwen Feng

627

Statistics Based Q-learning Algorithm for Multi-Agent System and Application in RoboCup
Ya Xie and Zhonghua Huang

634
A DOM-based Anchor-Hop-T Method for Web Application Information Extraction
Yuanyuan Zhang, Qinyan Zhang, and Guanfu Jiang

Effective Scanned-Certification Image Retrieval Based on Local Object and Block Matching
Hao Zhang, Ling Huang, and Xianru Liu

DWT and SVD based Watermarking Scheme with Circulation
Hongqin Shi

Fuzzy Expert System for the Competitiveness Evaluation of Shipbuilding Companies
Jianing Zheng, Hao Hu, Yizhou Li, and Daosheng Huang

Incorporating Content and Time Features for Chinese Story Subtopic Identification
Zhaoman Zhong, Cunhua Li, and Hongwei Dai

Research of the FP-Growth Algorithm Based on Cloud Environments
Lijuan Zhou and Xiang Wang

Personalized Recommendation of Preferred Paths Based On Web Log
Zhurong Zhou and Dengwu Yang

Research and Application of Data Integration in Aircraft Designing Based on SDO
Yating Yuan, Yi Zhuang, and Ying Huo

An Empirical Study for Software Fault-Proneness Prediction with Ensemble Learning Models on Imbalanced Data Sets
Renqing Li and Shihai Wan

Optimal Virtual Machine Resources Scheduling Based on Improved Particle Swarm Optimization in Cloud Computing
Hao Yuan, Changbing Li, and Maokang Du

An Efficient Discrete Invasive Weed Optimization Algorithm for Web Services Selection
Kai Su, Liangli Ma, Xiaoming Guo, and Yufei Sun

A K-nearest Based Clustering Algorithm by P Systems with Active Membranes
Jie Xue and Xiyu Liu

A Selection Algorithm of Training Set Based on Similar Classification
Xiaowen Liang, Wei Gong, Wenlong Fu, and Jing Qi

CUDAP: A Novel Clustering Algorithm for Uncertain Data Based on Approximate Backbone
Ping Jin, Shichao Qu, Yu Zong, and Xin Li

A Query Driven Method of Mapping from Global Ontology to Local Ontology in Ontology-based Data Integration
Haifei Zhang

A Heuristic Optimization Algorithm in System Structure Optimization
Derong Zhu

Sparse Affinity Propagation for Image Analysis
Xue Zhang and Jiancheng Lv

An Approach for Crowd Density and Crowd Size Estimation
Ming Jiang, Jingcheng Huang, Xingji Wang, Jingfan Tang, and Chunming Wu

The Multiple Attribute Group Decision Making model for Web Software Trustworthiness
Yujie Zhao and Xinxing Luo
Voronoi Diagram Generation Algorithm based on Delaunay Triangulation
Liping Sun, Yonglong Luo, Yalei Yu, and Xintao Ding

The Clonal Expansion and Memory Strategy Applied to Network Detection
Yuling Tian