

Journal of Computers

ISSN 1796-203X

Volume 5, Number 6, June 2010

Contents

Special Issue: Recent Advances in Computer Science and Engineering - Track on Computers

Guest Editors: Yun Liu, Fei Yu, Chin-Chen Chang, Dongfeng Yuan, and Yiqin Lu

Guest Editorial 825
Yun Liu, Fei Yu, Chin-Chen Chang, Dongfeng Yuan, and Yiqin Lu

SPECIAL ISSUE PAPERS

A Study of Fault Diagnostic based on Artificial Immune Systems 828
Chu-Jiao Wang, Shi-Xiong Xia, and Hai-zhi Wang

An Interest Management Architecture by ALM and Region Partition for Large-Scale Distributed Virtual Environment 836
Yaping Lu, Yunjia Wang, and Houquan Liu

Index-based Online Text Classification for SMS Spam Filtering 844
Wuying Liu and Ting Wang

Study on Aggregation Tree Construction Based on Grid 852
Jian Shu, Yebin Chen, Linlan Liu, Sheng Zhang, and Jun Li

An Auto-revocation Supported Delegation Model 861
Chunxiao Ye and Xiang Li

An Iterative Method of Extracting Chinese ISA Relations for Ontology Learning 870
Lei Liu, Sen Zhang, Luhong Diao, and Cungen Cao

Unknown Virus Detection Method Amalgamation Genetic Algorithm into Ant Colony Algorithm 878
Guozhu Liu and Yanjun Shang

A Computationally Efficient Super-Resolution Reconstruction Algorithm Based On The Hybrid Interpolation 885
Xiangguang Zhang and Yun Liu

REGULAR PAPERS

The Research of Image Collection Method for Sediment Online-Detection 893
Ying Xiao, Xuange Peng, Ming Leng, and Bing Zhu

A Novel Diversity-Controlled Genetic Algorithm for Optimization of BIBO Stable Digital IF Filters Over CSD Multiplier Coefficient Space 901
Yifan Wu, Behrouz Nowrouzian, and Syed Bokhari

A New Decentralized Planning Strategy for Flocking of Swarm Robots 914
Ximing Liang and Xiang Li

The Scheduling Model for Disabilities Transfer in Airports <i>Xuejun Wu</i>	922
Chinese Minority Script Recognition Using Radial Basis Function Network <i>Hai Guo and Jing-ying Zhao</i>	927
Research on QoS Protocol Based on Quantum State Algorithm for MANET <i>Limin Meng, Kai Zhou, Zhijiang Xu, and Jingyu Hua</i>	935
Visual Specification of Layered Bidding Strategies for Autonomous Bidding Agents <i>Benjamin J. Ford, Haiping Xu, Christopher K. Bates, and Sol M. Shatz</i>	940
Modeling and Simulation of Automated Container Terminal Operation <i>Minghua Zhu, Xiumin Fan, Huanhong Cheng, and Qichang He</i>	951
Multicores in Cloud Computing: Research Challenges for Applications <i>Lizhe Wang, Jie Tao, Gregor von Laszewski, and Holger Marten</i>	958
A Hybrid Co-evolutionary Particle Swarm Optimization Algorithm for Solving Constrained Engineering Design Problems <i>Yongquan Zhou and Shengyu Pei</i>	965
A Novel Model for Evaluating Optimal Parameters of Security and Quality of Service <i>Jianyong Chen, Cunying Hu, and Huawang Zeng</i>	973
Strategic Supply Network for Supplier Selection <i>Xu Xu and Jie Lin</i>	979
