Table of Contents

Special Issue on Advanced Algorithms for Efficient, Reliable and Secure Information Systems

Guest Editorial Preface

Fatos Xhafa, Universitat Politècnica de Catalunya, Barcelona, Spain
Xu An Wang, Engineering University of CAPF, Xi’an, China

Research Articles

1
Research on Fault Diagnosis Method Using Improved Multi-Class Classification Algorithm and Relevance Vector Machine
Kun Wu, Department of Equipment Management, Mechanical Engineering College, Hebei, China
Jianshe Kang, Department of Equipment Management, Mechanical Engineering College, Hebei, China
Kuo Chi, Department of Equipment Management, Mechanical Engineering College, Hebei, China

17
Method for Improving Data Security in Register Files Based on Multiple Pipeline Restart
Qingyu Chen, Xi’an Microelectronics Technology Institute, Xi’an, Shaanxi, China
Longsheng Wu, Xi’an Microelectronics Technology Institute, Xi’an, Shaanxi, China
Li Li, Xi’an Microelectronics Technology Institute, Xi’an, Shaanxi, China
Xuhan Ma, Xi’an Microelectronics Technology Institute, Xi’an, Shaanxi, China
Xu An Wang, Engineering University of CAPF, Xi’an, Shaanxi, China

33
A Study on Components and Features in Face Detection
Yang Hua-Chun, School of Life Science and Technology, Xidian University, Xi’an, China & Department of Information Engineering, Engineering University of Armed Police Shanxi, Xi’an, China
Xu An Wang, Department of Information Engineering, Engineering University of Armed Police Shanxi, Xi’an, China

46
A High-Capacity Covering Code for Voice-Over-IP Steganography
Hui Tian, National Huaqiao University, Xiamen, China
Jie Qin, National Huaqiao University, Xiamen, China
Yongfeng Huang, Tsinghua University, Beijing, China
Xu An Wang, Engineering University of CAPF, Xian, China
Jin Liu, National Huaqiao University, Xiamen, China
Yonghong Chen, National Huaqiao University, Xianmen, China
Tian Wang, National Huaqiao University, Xiamen, China
Yijiao Cai, National Huaqiao University, Xiamen, China

64
An Improved Multilinear Map and its Applications
Chunsheng Gu, School of Computer Engineering, Jiangsu University of Technology, Changzhou, China & State Key Laboratory of Information Security, Institute of Information Engineering, Chinese Academy of Sciences, Beijing, China

82
An Additively Homomorphic Encryption over Large Message Space
Hu Chen, State Key Laboratory of Integrated Service Networks, Xidian University, Shanxi, Xi’an, China
Yupu Hu, State Key Laboratory of Integrated Service Networks, Xidian University, Shanxi, Xi’an, China
Zhichu Lian, State Key Laboratory of Integrated Service Networks, Xidian University, Shanxi, Xi’an, China
Huiwen Jia, State Key Laboratory of Integrated Service Networks, Xidian University, Shanxi, Xi’an, China
Xu An Wang, State Key Laboratory of Integrated Service Networks, Xidian University, Shanxi, Xi’an, China

Copyright
The International Journal of Information Technology and Web Engineering (IJITWE) (ISSN 1554-1045; eISSN 1554-1053), Copyright © 2015 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without written permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global.