

# Table of Contents

## International Journal of Digital Crime and Forensics

Volume 10 • Issue 4 • October-December-2018 • ISSN: 1941-6210 • eISSN: 1941-6229

*An official publication of the Information Resources Management Association*

### RESEARCH ARTICLES

- 1**      **Fingerprint Image Hashing Based on Minutiae Points and Shape Context**  
Sani M. AbdullahiSchool of Information Science and Technology, Southwest Jiaotong University, Chengdu, China  
Hongxia WangSchool of Information Science and Technology, Southwest Jiaotong University, Chengdu, China  
Asad MalikSchool of Information Science and Technology, Southwest Jiaotong University, Chengdu, China
  
- 21**     **An Improved Encryption Scheme for Traitor Tracing from Lattice**  
Qing YeCollege of Computer Sciences and Technology, Henan Polytechnic University, Jiaozuo, China  
Mingxing HuCollege of Computer Sciences and Technology, Henan Polytechnic University, Jiaozuo, China  
Guangxuan ChenInstitute of Software Application Technology, Guangzhou & CAS; Zhejiang Police College, Hangzhou, China  
Panke QinCollege of Computer Sciences and Technology, Henan Polytechnic University, Jiaozuo, China
  
- 36**     **Evaluation Method of Public Transportation System Based on Fuzzy Cloud Model**  
Min TuDepartment of Security Management, Jiangxi Police Institute, Nanchang, 330103, China  
Shiyang XuSoftware College, Nanchang University, Nanchang, 330047, China  
Jianfeng XuSoftware College, Nanchang University, Nanchang, 330047, China
  
- 52**     **Keyframe-Based Vehicle Surveillance Video Retrieval**  
Xiaoxi LiuSchool of Information Science and Engineering, Shandong University, Qingdao, China  
Ju LiuSchool of Information Science and Engineering, Shandong University, Qingdao, China  
Lingchen GuSchool of Information Science and Engineering, Shandong University, Qingdao, China  
Yannan RenSchool of Information Science and Engineering, Shandong University, Qingdao, China
  
- 62**     **Using Weighted Similarity to Assess Risk of Illegal Fund Raising in Online P2P Lending**  
Jianying XiongJiangXi Police Institute, Nanchang, China  
Min TuJiangxi police Institute, Nanchang, China  
Ying ZhouJiangXi Police Institute, Nanchang, China
  
- 80**     **Print-Scan Resilient Binary Map Watermarking Based on DCT and Scrambling**  
Fei PengHunan University, Changsha, China  
Shuai-ping WangHunan University, Changsha, China  
Min LongChangsha University of Science and Technology, Changsha, China
  
- 90**     **Digital Image Splicing Detection Based on Markov Features in QDCT and QWT Domain**  
Ruxin WangSchool of Data and Computer Science, Guangdong Key Laboratory of Information Security Technology, Sun Yat-sen University, Guangzhou, China  
Wei LuSchool of Data and Computer Science, Guangdong Key Laboratory of Information Security Technology, Sun Yat-sen University, Guangzhou, China  
Jixian LiSchool of Data and Computer Science, Guangdong Key Laboratory of Information Security Technology, Sun Yat-sen University, Guangzhou, China  
Shijun XiangCollege of Information Science and Technology, Jinan University, Guangzhou, China  
Xianfeng ZhaoThe State Key Laboratory of Information Security, Institute of Information Engineering, Chinese Academy of Sciences, Beijing, China  
Jinwei WangSchool of Computer and Software, Nanjing University of Information Science and Technology, Nanjing, China
  
- 108**    **A Framework for Dark Web Threat Intelligence Analysis**  
Xuan ZhangCriminal Investigation Department of Shandong Police College, Jinan, China  
KP ChowDepartment of Computer Science University of Hong Kong, Hong Kong, China
  
- 118**    **A Cloud-User Watermarking Protocol Protecting the Right to Be Forgotten for the Outsourced Plain Images**  
Xiaojuan DongCAS Key Laboratory of Electro-magnetic Space Information, Chinese Academy of Sciences, University of Science and Technology of China, Hefei, China  
Weiming ZhangCAS Key Laboratory of Electro-magnetic Space Information, Chinese Academy of Sciences, University of Science and Technology of China, Hefei, China  
Xianjun HuCAS Key Laboratory of Electro-magnetic Space Information, Chinese Academy of Sciences, University of Science and Technology of China, Hefei, China  
Keyang LiuCAS Key Laboratory of Electro-magnetic Space Information, Chinese Academy of Sciences, University of Science and Technology of China, Hefei, China
  
- 140**    **Copy-Move Forgery Localization Using Convolutional Neural Networks and CFA Features**  
Lu LiInstitute of Information Science, Beijing Jiaotong University, Beijing, China  
Yao ZhaoInstitute of Information Science, Beijing Jiaotong University, Beijing, China  
Rongrong NiInstitute of Information Science, Beijing Jiaotong University, Beijing, China  
Qi TianDepartment of Computer Science, University of Texas at San Antonio, San Antonio, US

### Copyright

The **International Journal of Digital Crime and Forensics (IJDCF)** (ISSN 1941-6210; eISSN 1941-6229), Copyright © 2018 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.

The *International Journal of Digital Crime and Forensics* is indexed or listed in the following: ACM Digital Library; Applied Social Sciences Index & Abstracts (ASSIA); Bacon's Media Directory; Cabell's Directories; Compendex (Elsevier Engineering Index); DBLP; GetCited; Google Scholar; INSPEC; JournalTOCs; Library & Information Science Abstracts (LISA); MediaFinder; Norwegian Social Science Data Services (NSD); SCOPUS; The Index of Information Systems Journals; The Standard Periodical Directory; Ulrich's Periodicals Directory; Web of Science; Web of Science Emerging Sources Citation Index (ESCI)