

# Table of Contents

## International Journal of Digital Crime and Forensics

Volume 9 • Issue 3 • July-September-2017 • ISSN: 1941-6210 • eISSN: 1941-6229

*An official publication of the Information Resources Management Association*

### Research Articles

- 1 A Novel Pixel Merging-Based Lossless Recovery Algorithm for Basic Matrix VSS**  
Xin Liu, Harbin Institute of Technology, Harbin, China & Harbin University of Science and Technology, Harbin, China  
Shen Wang, Harbin Institute of Technology, Harbin, China  
Jianzhi Sang, Harbin Institute of Technology, Harbin, China  
Weizhe Zhang, Harbin Institute of Technology, Harbin, China
- 11 An Empirical Study for Human Behavior Analysis**  
Jia Lu, Auckland University of Technology, Auckland, New Zealand  
Jun Shen, Auckland University of Technology, Auckland, New Zealand  
Wei Qi Yan, Auckland University of Technology, Auckland, New Zealand  
Boris Bačić, Auckland University of Technology, Auckland, New Zealand
- 28 A Novel Progressive Secret Image Sharing Scheme Based on Arithmetic Mean**  
Lintao Liu, Hefei Electronic Engineering Institute, Hefei, China  
Yuliang Lu, Hefei Electronic Engineering Institute, Hefei, China  
Xuehu Yan, Hefei Electronic Engineering Institute, Hefei, China  
Song Wan, Hefei Electronic Engineering Institute, Hefei, China
- 38 A Novel Visual Secret Sharing Scheme Based on QR Codes**  
Song Wan, Hefei Electronic Engineering Institute, Hefei, China  
Yuliang Lu, Hefei Electronic Engineering Institute, Hefei, China  
Xuehu Yan, Hefei Electronic Engineering Institute, Hefei, China  
Lintao Liu, Hefei Electronic Engineering Institute, Hefei, China
- 49 A Knowledge Model of Digital Evidence Review Elements Based on Ontology**  
Ning Wang, Hubei University of Police, Wuhan, China
- 58 The State-of-the-Art Technology of Currency Identification: A Comparative Study**  
Guangyu Wang, Auckland University of Technology, Auckland, New Zealand.  
Xiaotian Wu, Jinan University, Guangzhou, China & State Key Laboratory of Information Security, Institute of Information Engineering, Chinese Academy of Sciences, Beijing, China  
WeiQi Yan, Auckland University of Technology, School of Computer and Mathematical Sciences, Auckland, New Zealand

### COPYRIGHT

The **International Journal of Digital Crime and Forensics (IJDCF)** (ISSN 1941-6210; eISSN 1941-6229), Copyright © 2017 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 (All Journals); Web of Science Emerging Sources Citation Index (ESCI)