

# Table of Contents

## International Journal of Digital Crime and Forensics

Volume 9 • Issue 4 • October-December-2017 • ISSN: 1941-6210 • eISSN: 1941-6229

*An official publication of the Information Resources Management Association*

### Research Articles

#### 1 A Steganalytic Scheme Based on Classifier Selection Using Joint Image Characteristics

Jie Zhu, State Key Laboratory of Information Security, Institute of Information Engineering, Chinese Academy of Sciences, Beijing, China & School of Cyber Security, University of Chinese Academy of Sciences, Beijing, China  
Qingxiao Guan, State Key Laboratory of Information Security, Institute of Information Engineering, Chinese Academy of Sciences, Beijing, China & School of Cyber Security, University of Chinese Academy of Sciences, Beijing, China  
Xianfeng Zhao, State Key Laboratory of Information Security, Institute of Information Engineering, Chinese Academy of Sciences, Beijing, China & School of Cyber Security, University of Chinese Academy of Sciences, Beijing, China  
Yun Cao, State Key Laboratory of Information Security, Institute of Information Engineering, Chinese Academy of Sciences, Beijing, China & School of Cyber Security, University of Chinese Academy of Sciences, Beijing, China  
Gong Chen, State Key Laboratory of Information Security, Institute of Information Engineering, Chinese Academy of Sciences, Beijing, China & School of Cyber Security, University of Chinese Academy of Sciences, Beijing, China

#### 15 Performance Evaluation and Scheme Selection of Shot Boundary Detection and Keyframe Extraction in Content-Based Video Retrieval

Lingchen Gu, Shandong University, School of Information Science and Engineering, Jinan, China  
Ju Liu, Shandong University, School of Information Science and Engineering, Jinan, China  
Aixi Qu, Shandong University, School of Information Science and Engineering, Jinan, China

#### 30 Research on Digital Forensics Based on Uyghur Web Text Classification

Yasen Aizezi, Xinjiang Police college, Urumqi, China  
Anwar Jamal, Xinjiang Police College, Urumqi, China  
Ruxianguli Abudurexiti, Xinjiang Police College, Urumqi, China  
Mutalipu Muming, Xinjiang Police College, Urumqi, China

#### 40 A Cyber Crime Investigation Model Based on Case Characteristics

Zhi Jun Liu, Hubei University of Police, Hubei, China

#### 48 Recognizing Substitution Steganography of Spatial Domain Based on the Characteristics of Pixels Correlation

Zhe Chen, University of Electronic Science and Technology of China, Chengdu, China  
Jicang Lu, Zhengzhou Information Science and Technology Institute, Zhengzhou, China  
Pengfei Yang, Zhengzhou Information Science and Technology Institute, Zhengzhou, China  
Xiangyang Luo, Zhengzhou Information Science and Technology Institute, Zhengzhou, China

#### 62 Exploring Defense of SQL Injection Attack in Penetration Testing

Alex Zhu, Auckland University of Technology, Auckland, New Zealand  
Wei Qi 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; Web of Science Emerging Sources Citation Index (ESCI)