Table of Contents

International Journal of Digital Crime and Forensics

Volume 8 • Issue 2 • April-June-2016 • ISSN: 1941-6210 • eISSN: 1941-6229 An official publication of the Information Resources Management Association

Research Articles

1 On More Paradigms of Steganalysis Xianfeng Zhao, State Key Laboratory of Information Security, Institute of Information Engineering, Chinese Academy of Sciences, Beijing, China Jie Zhu, State Key Laboratory of Information Security, Institute of Information Engineering, Chinese Academy of Sciences, Beijing, China Haibo Yu, State Key Laboratory of Information Security, Institute of Information Engineering, Chinese Academy

Haibo Yu, State Key Laboratory of Information Security, Institute of Information Engineering, Chinese Academy of Sciences, Beijing, China

16 Detecting Anomalous Ratings in Collaborative Filtering Recommender Systems Zhihai Yang, Xi'an Jiaotong University, Xi'an, China

Zhongmin Cai, Xi'an Jiaotong University, Xi'an, China

27 Contrast Modification Forensics Algorithm Based on Merged Weight Histogram of Run Length

Liang Yang, Nankai University, Tianjin, China Tiegang Gao, Nankai University, Tianjin, China Yan Xuan, Nankai University, Tianjin, China Hang Gao, Nankai University, Tianjin, China

36 Improving Scanned Binary Image Watermarking Based On Additive Model and Sampling

Ping Wang, Zhengzhou Science and Technology Institute, Zhengzhou, China Xiangyang Luo, Science and Technology on Information Assurance Laboratory, Beijing, China Chunfang Yang, State Key Laboratory of Mathematical Engineering and Advanced Computing, Zhengzhou, China Fenlin Liu, Zhengzhou Science and Technology Institute, Zhengzhou, China

48 An Adjustable Interpolation-based Data Hiding Algorithm Based on LSB Substitution and Histogram Shifting

Yuan-Yu Tsai, Department of M-Commerce and Multimedia Applications, Asia University and Department of Medical Research, China Medical University Hospital, Taichung, Taiwan Yao-Hsien Huang, Department of Information Technology and Management, Shih Chien University, Taipei,

Taiwan Ruo-Jhu Lin, Department of M-Commerce and Multimedia Applications, Asia University, Taichung, Taiwan Chi-Shiang Chan, Department of M-Commerce and Multimedia Applications, Asia University and Department of Medical Research, China Medical University Hospital, Taichung, Taiwan

COPYRIGHT

The International Journal of Digital Crime and Forensics (JJDCF) (ISSN 1941-6210; eISSN 1941-6229), Copyright © 2016 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