

# International Journal of Digital Crime and Forensics

July-September 2015, Vol. 7, No. 3

## Table of Contents

### RESEARCH ARTICLES

- 1 **A Semi-Fragile Reversible Watermarking for 2D CAD Engineering Graphics with Accurate Tampering Localization**  
*Min Long, Changsha University of Science and Technology, Changsha, China*  
*Yan Liu, Hunan University, Changsha, China*  
*Fei Peng, Hunan University, Changsha, China*
- 19 **A Secure Speech Content Authentication Algorithm Based on Discrete Fractional Fourier Transform**  
*Fan Zhang, Xinyang Normal University, Xinyang, China*  
*Zhenghui Liu, Xinyang Normal University, Xinyang, China*  
*Hongxia Wang, Southwest Jiaotong University, Chengdu, China*
- 37 **A Novel Cue based Picture Word Shape Character Password Creation Scheme**  
*Kevin Curran, Ulster University, Londonderry, UK*  
*Andrew Snodgrass, Ulster University, Londonderry, UK*
- 60 **Block-based Reversible Fragile Watermarking for 2D Vector Map Authentication**  
*Nana Wang, School of Computer Science and Technology, Jiangsu Normal University, Xuzhou, China*  
*Xiangjun Zhao, School of Computer Science and Technology, Jiangsu Normal University, Xuzhou, China*  
*Han Zhang, Computer and Information Engineering Department, Heze University, Heze, China*

### Copyright

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

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