

# Table of Contents

## International Journal of Information System Modeling and Design

Volume 8 • Issue 4 • October-December-2017 • ISSN: 1947-8186 • eISSN: 1947-8194

*An official publication of the Information Resources Management Association*

### Editor's Note

vi Remigijus Gustas, Karlstad University, Karlstad, Sweden  
Vladlena Benson, University of West London, London, UK

### Research Articles

- 1 **Software Development for Information System - Achieving Optimum Quality with Security**  
Syeda Umema Hani, GSESIT, Hamdard University, Karachi, Pakistan & DHA Suffa University, Karachi, Pakistan  
Abu Turab Alam, Surrey University, Guildford, UK
- 21 **IDS Using Reinforcement Learning Automata for Preserving Security in Cloud Environment**  
Partha Ghosh, Netaji Subhash Engineering College, Kolkata, India & Maulana Abul Kalam Azad University of  
Technology, Kolkata, India  
Meghna Bardhan, Netaji Subhash Engineering College, Kolkata, India  
Nilabhra Roy Chowdhury, Netaji Subhash Engineering College, Kolkata, India  
Santanu Phadikar, Maulana Abul Kalam Azad University of Technology, Kolkata, India
- 38 **Watermarking Scheme with CS Encryption for Security and Piracy of Digital Audio Signals**  
Rohit Thanki, C. U. Shah University, Wadhwan City, India  
Komal Borisagar, Atmiya Institute of Technology and Science, Rajkot, India

### COPYRIGHT

The **International Journal of Information System Modeling and Design (IJISMD)** (ISSN 1947-8186; eISSN 1947-8194), 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 Information System Modeling and Design* is indexed or listed in the following: ACM Digital Library; Bacon's Media Directory; Cabell's Directories; Compendex (Elsevier Engineering Index); DBLP; Google Scholar; INSPEC; JournalTOCs; Library & Information Science Abstracts (LISA); MediaFinder; 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)