

# International Journal of Healthcare Information Systems and Informatics

October-December 2014, Vol. 9, No. 4

## Table of Contents

### INNOVATION AND ENGAGEMENT: THE KEY TO EXPEDITE HEALTH INFORMATION TECHNOLOGY ADOPTION

#### GUEST EDITORIAL PREFACE

- iv Bernard Han, Bronson School of Nursing, Western Michigan University, Kalamazoo, MI, USA  
Sharie Falan, Bronson School of Nursing, Western Michigan University, Kalamazoo, MI, USA

#### RESEARCH ARTICLES

- 1 **A Balanced Perspective to Perioperative Process Management Aligned to Hospital Strategy**  
Jim Ryan, Sorrell College of Business, Troy University, Phenix City, AL, USA  
Barbara Doster, University of Alabama at Birmingham Hospital, Birmingham, AL, USA  
Sandra Daily, University of Alabama at Birmingham Hospital, Birmingham, AL, USA  
Carmen Lewis, Sorrell College of Business, Troy University, Phenix City, AL, USA
- 20 **A Threat Table Based Assessment of Information Security in Telemedicine**  
John C. Pendergrass, College of Business Administration, University of Illinois at Chicago, Chicago, IL, USA  
Karen Heart, Tagmata Software Security, Chicago, IL, USA  
C. Ranganathan, College of Business Administration, University of Illinois at Chicago, Chicago, IL, USA  
V. N. Venkatakrishnan, Department of Computer Science, University of Illinois at Chicago, Chicago, IL, USA
- 32 **Monitoring and Assisting Maternity-Infant Care in Rural Areas (MAMICare)**  
Juan C. Lavariega, Tecnológico de Monterrey, Monterrey, Mexico  
Gustavo A. Córdova, Tecnológico de Monterrey, Monterrey, Mexico  
Lorena G. Gómez, Tecnológico de Monterrey, Monterrey, Mexico  
Alfonso Avila, Tecnológico de Monterrey, Monterrey, Mexico
- 44 **An Exploratory Study of Home Healthcare Robots Adoption Applying the UTAUT Model**  
Ahmad Alaiad, Department of Information Systems, University of Maryland Baltimore County, Baltimore, MD, USA  
Lina Zhou, Department of Information Systems, University of Maryland Baltimore County, Baltimore, MD, USA  
Gunes Koru, Department of Information Systems, University of Maryland Baltimore County, Baltimore, MD, USA

#### BOOK REVIEW

- 60 **Accelerating Health Care Transformation with Lean and Innovation: The Virginia Mason Experience**  
Sharie Falan, Bronson School of Nursing, Western Michigan University, Kalamazoo, MI, USA

#### Copyright

The **International Journal of Healthcare Information Systems and Informatics (IJHISI)** (ISSN 1555-3396; eISSN 1555-340X), Copyright © 2014 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 Healthcare Information Systems and Informatics* is indexed or listed in the following: ACM Digital Library; Australian Business Deans Council (ABDC); Bacon's Media Directory; Burrelle's Media Directory; Cabell's Directories; Compendex (Elsevier Engineering Index); CSA Illumina; DBLP; Gale Directory of Publications & Broadcast Media; GetCited; Google Scholar; 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