Table of Contents

International Journal of Healthcare Information Systems and Informatics

Volume 13 • Issue 4 • October-December-2018 • ISSN: 1555-3396 • eISSN: 1555-340X

An official publication of the Information Resources Management Association

SPECIAL ISSUE ON DATA MINING AND DECISION SCIENCES IN HEALTHCARE INFORMATICS AND SYSTEMS

GUEST EDITORIAL PREFACE

vi Singh Vijendra, The NorthCap University, Gurgaon, India
Rajkumar R., VIT University, Vellore, India

RESEARCH ARTICLES

1 A Unified Feature Selection Model for High Dimensional Clinical Data Using Mutated Binary Particle Swarm Optimization and Genetic Algorithm Thendral Puyalnithi, Vellore Institute of Technology(VIT), Vellore, India
Madhuvismanatham Vankadara, Vellore Institute of Technology(VIT), Vellore, India

15 An Intelligent Multi-Objective Framework of Pervasive Information Computing Basant Tiwari, Hawassa University, Awassa, Ethiopia
Vivek Tiwari, IIIT-NR, Naya Raipur, India

28 The Design of a Cloud-based Clinical Decision Support System Prototype: Management of Drugs Intoxications in Childhood Baya Naouel Barigou, Laboratory of Computer Science (LIO), University of Oran 1, Ahmed Ben Bella, Oran, Algeria
Fatima Barigou, Laboratory of Computer Science (LIO), University of Oran 1, Ahmed Ben Bella, Oran, Algeria
Chawk Benchehida, Laboratory of Computer Science (LIO), University of Oran 1, Ahmed Ben Bella, Oran, Algeria
Baghdad Atmani, Laboratory of Computer Science (LIO), University of Oran 1, Ahmed Ben Bella, Oran, Algeria
Ghalem Belalem, Laboratory of Computer Science (LIO), University of Oran 1, Ahmed Ben Bella, Oran, Algeria

49 Comparative Analysis of Morphological Techniques for Malaria Detection P.A Pattanaik, Department of Computer Science & Engineering, Siksha ‘O’ Anusandhan University, Bhubaneswar, India
Tripti Swarnkar, Department of Computer Science & Engineering, Siksha ‘O’ Anusandhan University, Bhubaneswar, India

66 Causal Analysis of Software Development Attributes for Cloud Applications: A Health Insurance Solution Case Nitasha Hasteer, Amity University Uttar Pradesh, Noida, India
Abhay Bansal, Amity University Uttar Pradesh, Noida, India
B. K. Murthy, Ministry of Electronics and Information Technology, Government of India, New Delhi, India

82 Analysis of Machine Learning Algorithms in Health Care to Predict Heart Disease P Priyanga, Dept. of CSE, K.S. Institute of Technology, Bengaluru, India
N C Naveen, Dept. of CSE, J S S Academy of Technical Education, Bengaluru, India

98 Spiral-Phase Masked Optical Image Health Care Encryption System for Medical Images Based on Fast Walsh-Hadamard Transform for Security Enhancement Mehak Khurana, The NorthCap University, Gurugram, India
Hukum Singh, The NorthCap University, Gurugram, India

Copyright

The International Journal of Healthcare Information Systems and Informatics (IJHISI) (ISSN 1555-3396; eISSN 1555-340X), Copyright © 2018 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; 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)