Table of Contents

EDITORIAL PREFACE

iv  Anastasia N. Kastania, Athens University of Economics & Business, Athens, Greece
     Anastasius Moumzoglou, Hellenic Society for Quality & Safety in Healthcare, Athens, Greece & P. & A. Kyriakou Children’s Hospital, Athens, Greece

RESEARCH ARTICLES

1  Internet of Things for Medication Control: E-Health Architecture and Service Implementation
   Isabel Laranjo, Department of Informatics, University of Minho, Braga, Portugal
   Joaquim Macedo, Centro Algoritmi, Department of Informatics, University of Minho, Braga, Portugal
   Alexandre Santos, Centro Algoritmi, Department of Informatics, University of Minho, Braga, Portugal

16  A Preventive Action Management Platform in Healthcare Information Systems
    Hugo Peixoto, Sistemas de Informação, Unidade Padre Américo, Centro Hospitalar do Tâmega e Sousa, Penafiel, Portugal
    António Abela, Department of Informatics, University of Minho - Campus de Gualtar, Braga, Portugal
    Manuel Santos, Department of Information System, University of Minho - Campus de Azurém, Guimarães, Portugal
    José Machado, Department of Informatics, University of Minho - Campus de Gualtar, Braga, Portugal

30  An Interactive System for People Suffering from Cerebral Palsy
    Bruno Patrão, Department of Electrical and Computer Engineering, Institute of Systems and Robotics, University of Coimbra, Coimbra, Portugal
    Paulo Menezes, Department of Electrical and Computer Engineering, Institute of Systems and Robotics, University of Coimbra, Coimbra, Portugal

44  Detection of Alzheimer’s Disease Electroencephalogram Temporal Events
    Pedro Miguel Rodrigues, University of Porto, Porto, Portugal
    Diamantino Rui Freitas, University of Porto, Porto, Portugal
    João Paulo Teixeira, Polytechnic Institute of Bragança, Bragança, Portugal

62  Pause Duration of Disfluent Speech
    João Paulo Teixeira, Polytechnic Institute of Bragança, Bragança, Portugal
    Maria Goreti Fernandes, Polytechnic Institute of Bragança, Bragança, Portugal
    Rita Alexandra Costa, Polytechnic Institute of Bragança, Bragança, Portugal

Copyright
The International Journal of Reliable and Quality E-Healthcare (IJRQEH) (ISSN 2160-9551; eISSN 2160-956X), Copyright © 2013 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 Reliable and Quality E-Healthcare is currently listed or indexed in: Bacon’s Media Directory; Google Scholar; INSPEC; JournalTOCs; MediaFinder; ProQuest Advanced Technologies & Aerospace Journals; ProQuest Computer Science Journals; ProQuest Illustrata: Technology; ProQuest SciTech Journals; ProQuest Technology Journals; The Standard Periodical Directory; Ulrich’s Periodicals Directory