

International Journal of Information Technologies and Systems Approach

July-December 2015, Vol. 8, No. 2

Table of Contents

GUEST EDITORIAL PREFACE

SPECIAL ISSUE ON HUMAN COMPUTER INTERACTION: A SYSTEMS APPROACH

- iv *Carina S. Gonzalez, Universidad de La Laguna, La Laguna, Spain*
Cesar A. Collazos, Universidad del Cauca, Cauca, Colombia
Habib M. Fardoum, King Abdulaziz University, Mecca, Saudi Arabia

RESEARCH ARTICLES

- 1 **Usability and User Experience: What Should We Care About?**
Cristian Rusu, Pontificia Universidad Católica de Valparaíso, Valparaíso, Chile
Virginica Rusu, Universidad de Playa Ancha, Valparaíso, Chile
Silvana Roncagliolo, Pontificia Universidad Católica de Valparaíso, Valparaíso, Chile
Carina González, Universidad de La Laguna, La Laguna, España
- 13 **An Interactive Ecosystem of Digital Literacy Services: Oriented to Reduce the Digital Divide**
José Eder Guzmán-Mendoza, Universidad Autónoma de Aguascalientes, Aguascalientes, Mexico
Jaime Muñoz-Arteaga, Universidad Autónoma de Aguascalientes, Aguascalientes, Mexico
Ángel Eduardo Muñoz-Zavala, Universidad Autónoma de Aguascalientes, Aguascalientes, Mexico
René Santaolaya-Salgado, Centro Nacional de Investigación y Desarrollo Tecnológico, Cuernavaca, Mexico
- 32 **Method to Reduce Complexity and Response Time in a Web Search**
Maria R. Romagnano, Idel, FCEFN, Universidad Nacional de San Juan, San Juan, Argentina
Silvana V. Aciar, Idel, FCEFN, Universidad Nacional de San Juan, San Juan, Argentina
Martín G. Marchetta, FI, Universidad Nacional de Cuyo, Mendoza, Argentina
- 47 **An Empirical Evaluation of a Vocal User Interface for Programming by Voice**
Amber Wagner, Department of Computer Science, University of Alabama, Tuscaloosa, AL, USA
Jeff Gray, Department of Computer Science, University of Alabama, Tuscaloosa, AL, USA
- 64 **Agile Software Development Process Applied to the Serious Games Development for Children from 7 to 10 Years Old**
Sandra P. Cano, Universidad del Cauca, Cauca, Colombia
Carina S. González, Universidad de la Laguna de Tenerife, La Laguna, España
César A. Collazos, Universidad del Cauca, Cauca, Colombia
Jaime Muñoz Arteaga, Universidad de Autonomia de Aguascalientes, Aguascalientes, México
Sergio Zapata, Universidad Nacional San Juan, San Juan, Argentina
- 80 **Component Based Model Driven Development: An Approach for Creating Mobile Web Applications from Design Models**
Pablo Martín Vera, Department of Engineering and Technological Research, National University of La Matanza, San Justo, Argentina

Copyright

The **International Journal of Information Technologies and Systems Approach (IJITSA)** (ISSN 1935-570X; eISSN 1935-5718), 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 Information Technologies and Systems Approach* is indexed or listed in the following: ACM Digital Library; Bacon's Media Directory; Cabell's Directories; Compendex (Elsevier Engineering Index); CSA Illumina; DBLP; GetCited; Google Scholar; INSPEC; JournalTOCs; Library & Information Science Abstracts (LISA); MediaFinder; Norwegian Social Science Data Services (NSD); SCIRUS; SCOPUS; The Index of Information Systems Journals; The Standard Periodical Directory; Ulrich's Periodicals Directory