

INTERNATIONAL JOURNAL OF INFORMATION AND COMMUNICATION TECHNOLOGY EDUCATION

July-September 2013, Vol. 9, No. 3

Table of Contents

RESEARCH ARTICLES

- 1 **Teaching Agile Software Engineering Using Problem-Based Learning**
Nuha H. El-Khalili, Petra University, Amman, Jordan
- 13 **Scale to Measure Attitudes Toward Information Technology**
Anu A. Gokhale, Illinois State University, Normal, IL, USA
Paul E. Brauchle, Illinois State University, Normal, IL, USA
Kenton F. Machina, Illinois State University, Normal, IL, USA
- 27 **Using the Item Response Theory (IRT) for Educational Evaluation Through Games**
Marcelo Henrique Euzébio Batista, FACENSA College, Gravataí, Brazil
Jorge Luis Victória Barbosa, University of Vale do Rio dos Sinos (UNISINOS), São Leopoldo, Brazil
João Elison da Rosa Tavares, FACENSA College, Brazil
Jonathan Luís Hackenhaar, University of Vale do Rio dos Sinos (UNISINOS), São Leopoldo, Brazil
- 42 **Digital Natives and Digital Immigrants: A Study of Information Technology and Information Systems (IT/IS) Usage between Students and Faculty of Nigerian Universities**
Nwachukwu Prince Ololube, University of Education, Port Harcourt, Rivers State, Nigeria
Peter James Kpolovie, University of Port Harcourt, Rivers State, Nigeria
Samuel Amaele, University of Education, Port Harcourt, Rivers State, Nigeria
Rose N. Amanchukwu, University of Education, Port Harcourt, Rivers State, Nigeria
Teinye Briggs, University of Helsinki, Helsinki, Finland
- 65 **The Use of Online Technology to Facilitate Pre-Service Teachers' Engagement and Cultural Competency Development during an International Field Placement: Reflections from Austria**
Tiffany T. Boury, Franciscan University, Steubenville, OH, USA
John M. Hineman, Robert Morris University, Coraopolis, PA, USA
Jacqueline Courtney Klentzin, Robert Morris University, Coraopolis, PA, USA
George W. Semich, Robert Morris University, Coraopolis, PA, USA
- 80 **Top 10 Technologies for Designing 21st Century Instruction**
Lawrence A. Tomei, Robert Morris University, Coraopolis, PA, USA

Copyright

The *International Journal of Information and Communication Technology Education* (ISSN 1550-1876; eISSN 1550-1337). 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.

IJICTE is listed or indexed in the following: ACM Digital Library; Bacon's Media Directory; Burrelle's Media Directory; Cabell's Directories; Compendex (Elsevier Engineering Index); CSA Illumina; DBLP; DEST Register of Refereed Journals; Gale Directory of Publications & Broadcast Media; GetCited; Google Scholar; INSPEC; JournalTOCs; Library & Information Science Abstracts (LISA); MediaFinder; Norwegian Social Science Data Services (NSD); PsycINFO®; SCOPUS; The Index of Information Systems Journals; The Standard Periodical Directory; Ulrich's Periodicals Directory