

Table of Contents

International Journal of Information and Communication Technology Education

Volume 12 • Issue 2 • April-June-2016 • ISSN: 1550-1876 • eISSN: 1550-1337

An official publication of the Information Resources Management Association

Research Articles

- 1 **A Study of the Effects of Teaching Avatars on Students' Learning of Surveying Mathematics**
Nicoletta Adamo-Villani, Purdue University, West Lafayette, IN, USA
Hazar Nicholas Dib, Purdue University, West Lafayette, IN, USA

- 14 **Technology Integration and Innovation during Reflective Teaching**
Neeta Baporikar, HP-GSB, Namibia University of Science and Technology, Namibia

- 23 **Learning Programming Patterns Using Games**
Alexis Vinicius de Aquino Leal, Education Department, Federal Institute of Mato Grosso, Barra do Garças, Brazil
Deller James Ferreira, Informatics Institute, Federal University of Goiás, Goiânia, Brazil

- 35 **Examining Graphing Calculator Affordances in Learning Pre-Calculus among Undergraduate Students**
Francis Nzuki, Stockton University, Galloway, NJ, USA

- 51 **Effectiveness of Online Advising on Honors Student Retention and Engagement**
Monica VanDieren, Robert Morris University, Pittsburgh, PA, USA

COPYRIGHT

The **International Journal of Information and Communication Technology Education (IJICTE)** (ISSN 1550-1876; eISSN 1550-1337), Copyright © 2016 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 and Communication Technology Education* 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; 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