

Table of Contents

International Journal of Information and Communication Technology Education

Volume 13 • Issue 1 • January-March-2017 • ISSN: 1550-1876 • eISSN: 1550-1337

An official publication of the Information Resources Management Association

Research Articles

- 1 **Discovering the Two-Step Lag Behavioral Patterns of Learners in the College SPOC Platform**
Zhi Liu, Central China Normal University, Wuhan, China
Hercy N.H. Cheng, Central China Normal University, Wuhan, China
Sanya Liu, Central China Normal University, Wuhan, China
Jianwen Sun, Central China Normal University, Wuhan, China
- 14 **Factors Affecting University Students' Use of Moodle: An Empirical Study Based on TAM**
Daniel Danso Essel, University of Education, Winneba, Ghana
Osafo Apeanti Wilson, University of Education, Winneba, Ghana
- 27 **Online Learning Tools for Middle School Science: Lessons Learned from a Design-Based Research Project**
Fatima E. Terrazas-Arellanes, University of Oregon, Eugene, OR, USA
Carolyn Knox, University of Oregon, Eugene, OR, USA
Lisa A. Strycker, University of Oregon, Eugene, OR, USA
Emily D. Walden, University of Oregon, Eugene, OR, USA
- 41 **Role of Enhancing Visual Effects Education Delivery to Encounter Career Challenges in Malaysia**
Lynn-Sze Ng, Multimedia University, Cyberjaya, Malaysia
- 48 **Students' Learning in Asynchronous Discussion Forums: A Meta-Analysis**
Fkipuntan Martono, Universitas Tanjungpura, Pontianak, Indonesia
Urai Salam, Universitas Tanjungpura, Pontianak, Indonesia
- 61 **Advantages and Disadvantages of Clicker Use in Education**
Chen Wentao, Zhejiang Yuexiu University of Foreign Languages, Shaoxing, China
Zhang Jinyu, Zhejiang Yuexiu University of Foreign Languages, Shaoxing, China
Yu Zhonggen, Hohai University, Nanjing, China
- 72 **Digital Storytelling: An Alternative Way of Expressing Oneself**
Taralynn Hartsell, The University of Southern Mississippi, Hattiesburg, MS, USA

COPYRIGHT

The **International Journal of Information and Communication Technology Education (IJICTE)** (ISSN 1550-1876; eISSN 1550-1337), Copyright © 2017 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; Thomson Reuters; Ulrich's Periodicals Directory