Table of Contents

International Journal of Distance Education Technologies

Volume 16 • Issue 4 • October-December-2018 • ISSN: 1539-3100 • eISSN: 1539-3119

An official publication of the Information Resources Management Association

Special Issue on Trends and Research Issues of Emerging Technologies to Enhance Learning

Guest Editorial Preface

V Chengjiu Yin, Kobe University, Kobe, Japan Neil Yen, University of Aizu, Aizuwakamatsu, Japan Qun Jin, Waseda University, Tokorozawa-Shi, Japan

Research Articles

1 Construction and Application of Korean-English-Japanese Multilingual Teaching Aid System Based on Knowledge Map

Li Zhe, Zhongnan University of Economics and Law, Wuhan, China Cheng Meng, Zhejiang University Ningbo Institute of Technology, Ningbo, China Maesako Takanori, Osaka University, Suita, Japan Li Juan, Huaqiao University, Xiamen, China

15 An Automatic Method to Extract Online Foreign Language Learner Writing Error Characteristics

Brendan Flanagan, Academic Center for Computing and Media Studies, Kyoto University, Kyoto, Japan Sachio Hirokawa, Research Institute for Information Technology, Kyushu University, Fukuoka, Japan

31 Development and Analysis of an Enhanced Multi-Expert Knowledge Integration System for Designing Context-Aware Ubiquitous Learning Contents

Gwo-Haur Hwang, National Yunlin University of Science and Technology, Douliou, Taiwan Beyin Chen, Ling Tung University, Taichung, Taiwan Shiau-Huei Huang, iReach Marketing Pty Ltd, Taichung City, Taiwan

54 Using Augmented Reality Technologies to Enhance Students' Engagement and Achievement in Science Laboratories

Rong-Chi Chang, Taiwan Police College, Taipei, Taiwan Zeng-Shiang Yu, Asia University, Taichung, Taiwan

73 An Automatic Group Formation Method to Promote Student Interaction in Distance Education Courses

Matheus Ullmann, Universidade Federal de Goias, Goiania, Brazil Deller Ferreira, Universidade Federal de Goias, Goiania, Brazil Celso Camilo-Junior, Universidade Federal de Goias, Goiania, Brazil

93 Tutoring Integrated Learning With Video-Based Training to Enhance the Support of the Learners in WIL: A Proposal That Drives the Change in Tutors' Pedagogical Culture

Walter Nuninger, Université de Lille 1, Villeneuve d'Ascq, France Jean-Marie Châtelet, University of Lille, Villeneuve d'Ascq, France

COPYRIGHT

The International Journal of Distance Education Technologies (IJDET) (ISSN 1539-3100; eISSN 1539-3119), Copyright © 2018 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 Distance Education Technologies is indexed or listed in the following: ABI/Inform; ACM Digital Library; Aluminium Industry Abstracts; Australian Education Index; Bacon's Media Directory; Burrelle's Media Directory; Cabell's Directories; Ceramic Abstracts; Compendex (Elsevier Engineering Index); Computer & Information Systems Abstracts; Corrosion Abstracts; CSA Civil Engineering Abstracts; CSA Illumina; CSA Mechanical & Transportation Engineering Abstracts; BBLP; DEST Register of Refereed Journals; EBSCOhost's Academic Search; EBSCOhost's Academic Source; EBSCOhost's Business Source; EBSCOhost's Computer Source; EBSCOhost's Current Abstracts; EBSCOhost's Science & Technology Collection; Electronics & Communications Abstracts; Engineered Materials Abstracts; ERIC – Education Resources Information Center; GetCited; Google Scholar; INSPEC; JournalTOCs; KnowledgeBoard; Library & Information Science Abstracts (LISA); Materials Business File - Steels Alerts; MediaFinder; Norwegian Social Science Data Services (NSD); PsycINFO®; PubList.com; SCOPUS; Solid State & Superconductivity Abstracts; The Index of Information Systems Journals; The Standard Periodical Directory; Ulrich's Periodicals Directory; Web of Science; Web of Science Emerging Sources Citation Index (ESCI)