

Table of Contents

International Journal of Web-Based Learning and Teaching Technologies

Volume 16 • Issue 1 • January-February-2021 • ISSN: 1548-1093 • eISSN: 1548-1107

Guest Editorial Preface

v **Special Issue of Revised and Extended Papers From the 2nd International Conference on Digitalization, Innovation, and Emerging Technologies**

Moussaid Laila, National Higher School of Electricity and Mechanics, Hassan II University of Casablanca, Morocco

Research Articles

1 **Deep Learning Forwarding in NDN With a Case Study of Ethernet LAN**

Mohamed Issam Ayadi, Hassan II University, Morocco
Abderrahim Maizate, Hassan II University, Morocco
Mohammed Ouzzif, Hassan II University, Morocco
Charif Mahmoudi, LACL U-PEC, France

10 **Integration of Cloud Computing, Big Data, Artificial Intelligence, and Internet of Things: Review and Open Research Issues**

Drissi Saadia, ENSEM, Morocco

18 **Analysis of the Role of IT Governance on ERP Systems Implementation**

Soukaina Elhasnaoui, ENSEM, Morocco

27 **Learning Management System Adoption: A Theory of Planned Behavior Approach**

Madison N. Ngafeeson, Northern Michigan University, USA
Yuba Gautam, Northern Michigan University, USA

43 **Study of Energy Efficiency Solutions for a Smart Water Heating System**

Najat Abdeljebbar, Lab LRI, National Higher School of Electricity and Mechanics, Morocco
Abdelwahab Haddaoui, Lab LRI, National Higher School of Electricity and Mechanics, Morocco

COPYRIGHT

The *International Journal of Web-Based Learning and Teaching Technologies (IJWLTT)* (ISSN 1548-1093; eISSN 1548-1107), Copyright © 2021 IGI Global. From the journal's inception, January 1, 2007, to December 31, 2020, all rights, including translation into other languages is reserved by the publisher, unless otherwise stated in the article manuscript. As of January 1, 2021, this journal operates under the gold Open Access model, whereby all content published after this date is distributed under the terms of the Creative Commons Attribution 4.0 International (CC BY 4.0) License (<http://creativecommons.org/licenses/by/4.0/>) where copyright for the work remains solely with the author(s) of the article manuscript. 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 Web-Based Learning and Teaching Technologies* is indexed or listed in the following: ACM Digital Library; Applied Social Sciences Index & Abstracts (ASSIA); Bacon's Media Directory; Burrelle's Media Directory; Cabell's Directories; CSA Illumina; DBLP; ERIC – Education Resources Information Center; 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; UGC-CARE List (India); Ulrich's Periodicals Directory