

15th International Conference e-Learning (EL2021)

Held at the 15th Multi-Conference on Computer Science and
Information Systems (MCCSIS 2021)

Online
20 - 23 July 2021

ISBN: 978-1-7138-3579-0

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2021) by International Association for Development of the Information Society (IADIS)
All rights reserved.

Printed with permission by Curran Associates, Inc. (2021)

For permission requests, please contact International Association for Development of the Information Society (IADIS) at the address below.

International Association for Development of the Information Society (IADIS)
Rua Sao Sebastiao Da Pedreira
No. 100, 30, 1050-209
Lisbon, Portugal

Phone: 351 21 3151373

Fax: 351 21 3151244

secretariat@iadis.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

E-SKILLS AND DIGITAL LITERACY FOR FOREIGN LANGUAGES EDUCATION: STUDENT CASE STUDY IN UKRAINE	1
<i>Rusudan Makhachashvili, Ivan Semenist</i>	
EMERGENCY ELEARNING DURING A PANDEMIC: TALES OF A FORCED TRANSITION.....	13
<i>Gerald E. Evans, Daniel C. Evans, Michael V. Harrington</i>	
FACTORS INFLUENCING STUDENTS' ACCEPTANCE OF E-LEARNING PLATFORMS IN PRIMARY AND SECONDARY SCHOOLS IN SAUDI ARABIA	21
<i>Amani Bakarman, Nora Almezeini</i>	
THE DIGITAL LEAP OF E-LEARNING IN HIGHER EDUCATION.....	32
<i>Kaikai Liu, Marja Liisa Tenhunen, Jun Chen, Hui Chen, Jingjing Liang</i>	
GENERAL (APTITUDE) MATH EXAMS AND SUCCESS IN MATHEMATICAL CLASSES AT UNIVERSITY: A CROSS-COUNTRY COMPARISON.....	44
<i>Genady Grabarnik, Luiza Kim-Tyan, Serge Yaskolko</i>	
BASIC MATHEMATICAL MODELLING COMPETENCIES FOR NON-STEM HIGHER EDUCATION.....	52
<i>Marina Marchisio, Fabio Roman, Matteo Sacchet</i>	
USING LOGIC TO DETERMINE KEY ITEMS IN MATH EDUCATION	60
<i>Manuel Ojeda-Hernández, Francisco Pérez-Gómez, Ángel Mora Bonilla, Domingo López-Rodríguez</i>	
PROPOSAL OF A LEARNING DESIGN MODEL DEVELOPED FOR THE CREATION OF TRAINING COURSES COBOL PROGRAMMING COURSE CASE STUDY	68
<i>Rosa Reis, Bertil P. Marques</i>	
MANAGERIAL-LEADERSHIP COMPETENCIES FOR ENHANCING THE INTEGRATION OF INNOVATIVE TEACHING-LEARNING TECHNOLOGIES	79
<i>Elizabeth Landa, Chang Zhu, Jennifer Sesabo</i>	
E-LEARNING DESIGN THINKING AND DESIGN DRIVEN INNOVATION.....	89
<i>Dalia Gallico</i>	
INTERNATIONALIZATION FOR ENHANCING THE EUROPEAN SECURITY AND DEFENCE HIGHER EDUCATION	97
<i>Marina Marchisio, Enrico Spinello</i>	
E-LEARNING CHALLENGES USING ZOOM AND APPLICATION OF ARTIFICIAL INTELLIGENCE TO IMPROVE LEARNING IN AUSTRALIA HIGHER EDUCATION INSTITUTES	105
<i>Raj Sandu, Shakir Karim, Mahesh Kayastha</i>	
ONLINE WRITTEN EXAMS DURING COVID-19 CRISIS: AN UPDATE AFTER ONE YEAR.....	111
<i>Goffredo Haus, Yuri Benvenuto Pasquinelli, Daniela Scaccia, Nello Scarabottolo</i>	
LOSING THE ELEARNING SAFETY NET: TEACHING AN MBA CLASS WITHOUT AN EDUCATIONAL TECHNICIAN	116
<i>Gerald E. Evans, Daniel C. Evans, Michael V. Harrington</i>	

DESIGN-BASED LEARNING IN TEXTILES FOR HIGHER EDUCATION	120
<i>Benny Malengier, Ion Razvan Radulescu, Mirela Blaga, Radek Polanský, Zoran Stjepanovic</i>	
DEVELOPMENT OF A MULTI-USER VR ENVIRONMENT FOR TRAINING ELECTRICIANS TO WORK ON ELECTRIC POWER DISTRIBUTION NETWORK	125
<i>Eduardo H. Tanaka, Tiago Z. Paula, Alisson F. Silva, Guilherme S. F. Gouveia, Lucimara de Almeida, Leonardo R. Domingues, Alex H. F. Alves, Roberta R. Oliveira</i>	
TEACHER ASSESSMENT OF ONLINE INSTRUCTION	130
<i>Cecilia B-Ikeguchi</i>	
SELF-PRESENTATION AND LIABILITY WITHIN E-LEARNING ENVIRONMENTS.....	136
<i>Stella J. Phipps, Michael V. Harrington, Gerald E. Evans, Daniel C. Evans</i>	

Author Index