

11th International Conference on Society and Information Technologies (ICSIT 2020)

Orlando, Florida, USA
10 – 13 March 2020

Editors:

**Nagib Callaos
Lorayne Robertson**

**Belkis Sanchez
Andres Tremante**

ISBN: 978-1-7138-0996-8

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© (2020) by International Institute of Informatics and Systemics (IIS)
All rights reserved.

Printed with permission by Curran Associates, Inc. (2020)

For permission requests, please contact International Institute of Informatics and Systemics (IIS)
at the address below.

International Institute of Informatics and Systemics (IIS)
13750 West Colonial Dr.
Suite 350-408
Winter Garden, Florida 34787
USA

Contact-us@iis.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

Table of Contents	i
Impact of Information and Communication Technologies (ICT) on Societies	
Čirjevskis, Andrejs (Latvia): "Exploring Dynamic Managerial Capabilities for Digital Transformation in Global Grocery Retail: Walmart's Alliance with IBM"	1
Ahmad, Imran *; Alhayyan, Khalid N. ** (* Canada, ** Saudi Arabia): "Using Deep Learning to Finding Fraudulent Documents"	7
Jeffrey, Thomas (USA): "Understanding College Student Perceptions of Artificial Intelligence"	13
Robertson, Lorayne; Muirhead, Bill (Canada): "Coming Soon to a Device near You: A Policy Analysis of Mandatory Online Learning"	19
Weinberger, Maor; Bouhnik, Dan (Israel): "Views and Perceptions of Information System Administrators Regarding the Challenges and Solutions of Information Security Within Enterprise Systems at the Age of Big Data"	25
The Academic Sector and the ICT	
Robertson, Lorayne; Muirhead, Bill; Corrigan, Laurie (Canada): " "Don't Answer That!" - Cell Phone Restrictions in Ontario Schools"	28
Baggio, Bobbe (USA): "AI and Education Reborn"	34
Education: Concepts, Technologies and Methodologies	
Arioli, Gianni (Italy): "Mathematics Education with Conjectures and Refutations"	40
Jardim, Vanessa; Marins, Paulo (Brazil): "Musical Interactions via Web Conferencing at the Undergraduate Degree in Distance Education from University of Brasília: A Look at the Instructor's Planning"	44
Lindholm, Christin; Nyberg, Christian (Sweden): "Certification of Students in Non-Technical Engineering Skills: What Do the Companies Think?"	49

On-Line Education

Barbashina, Evelina (Russian Federation): "Problems of On-Line Education in Modern Russia and Ways to Minimize Them" 55

Strategies for Assessing Student Learning and Teaching: Peer Reviews, Peer Observation, etc.

Bellin-Mularski, Nicole (Germany): "Portfolio and Formative Assessment: Case Study of Perceptions of Assessment Criteria in Pre-Service Teacher Education" 61

Teaching Support Systems

Gadille, Martine; Impedovo, Maria Antonietta (France): "The Embodiment Dimension While Learning and Teaching in a Virtual World" 65

Training Research, Theories, Practice, and Innovations

Parr, Andi; Speegle, Greg (USA): "Experiences with Certification of Computer Science Educators in Central Texas" 70

Veresné, Mariann Somosi; Kocziszky, György; Nagy, Zoltán; Varga, Krisztina (Hungary): "Training Based Change Management Problem for Social Innovation" 76

Authors Index 85