

14th International Conference on Society and Information Technologies (ICSIT 2023)

Online
28-31 March 2023

Editors:

**Nagib Callaos
Lorayne Robertson
Belkis Sanchez**

Trung Tran

ISBN: 978-1-7138-7200-9

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© (2023) by International Institute of Informatics and Systemics (IIS)
All rights reserved.

Printed with permission by Curran Associates, Inc. (2023)

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
Amplifying Voices From the Periphery of the Academy: The Critical Role of Policy in Expanding Perspectives in Higher Education - Invited Session Organizers: Lorayne Robertson and Bill Muirhead (Canada)	
DiVito, Andrew (Canada): "Researching Pre-service Teacher Autonomy in Synchronous Online Learning"	1
Fletcher, Carol-Anne; Jendrika, Taya-Lynn (Canada): "Uplifting Your Learners: Utilizing Technology to Elevate Diverse Voices in Teacher Education Programs to Inspire Systemic Change"	6
Robertson, Lorayne; Stolba, Aneta; Trinier, Jessica (Canada): "Student Co-creation of a Graduate Course in Equity, Diversity and Inclusion"	12
Stolba, Aneta (Canada): ""What Do We Do Now?" COVID-19, Digital Health and Online Schooling for Post-secondary Autistic Adult Students"	17
Trinier, Jessica; Fletcher, Carol-Anne; Halsey, Caitlin (Canada): "Queer(ing) Collections: Recommendations for Uplifting Queer Stories"	22
Education in Science, Technology, Engineering and Mathematics (STEM)	
Rawat, Kuldeep; Payne, Gloria; Khan, Ali (USA): "The Pedagogical Journal Club: A Collaborative Approach to Developing Pedagogical Strategies to Improve Student Success in STEM"	27
Rawat, Kuldeep; Elahi, Mehran (USA): "STEM Education and Training Model to Expand Career Opportunities for Undergraduates in Renewable Energy Sector"	31
Education Research, Theories, Practice, and Innovations	
ElSayary, Areej (United Arab Emirates): "The Positive Social Psychology Intervention of Using Design Thinking to Improve Learners' Wellbeing in Interdisciplinary Courses"	36
Kunigami, Masaaki; Kikuchi, Takamasa; Terano, Takao (Japan): "An Experience Mapping Method for Delayed Understanding in STEM Education"	44
Lee, Ya-Hui; Cha, Hsien-Ta; Wang, Yi-Fen (Taiwan): "How to Develop Assistive Technology for Elderly Care: Designers' Perspectives"	51
Tian, Lan; Chansaengsee, Sovaritthon (Thailand): "Teacher-Student Relationship: A Case Study of Thai Teachers and Chinese Students Relationship in Yunnan Province Based on Humanistic Psychology"	57

Education: Concepts, Technologies and Methodologies

- Al-Amri, Aisha Bleyhesh; Zainaddin, Khaloud; Zahid, Abdulrahman Ahmed; Sulaimani, Jehan (Saudi Arabia): "A Proposed Strategy for the Role of Education in Combating Extremism and Deviant Intellectual Currents in the Light of Saudi Vision 2030" 63
- Robertson, Lorayne; Cardoza, Sanya; Barber, Wendy (Canada): "From the Periphery to the Center: Undergraduate Co-creation of an Equity Course" 72
- van de Laar, Mindel; Marotta, Julieta; de Graaf, Lisa (Netherlands): "A Comprehensive Approach to Understanding E-resilience in Education – A Review of the Literature" 78

Impact of Information and Communication Technologies (ICT) on Societies

- Alqahtani, Abdulkarim Faraj; Ilyas, Mohammad (USA): "Using Deep Learning LSTM and CNN With Word Embedding for the Detection of Offensive Text on Twitter" 86
- Dodig-Crnkovic, Gordana *; Holstein, Tobias *; Pelliccione, Patrizio **; Thavarasa, Jathoosh * (* Sweden, ** Italy): "Future Intelligent Autonomous Robots, Ethical by Design – Lessons Learned from Autonomous Cars Ethics" 92
- Harfoush, Badr *; Zeng, David *; Mansoura, Noura ** (* USA, ** Syrian Arab Republic): "Impact of Organization Changes on the Significance of Critical Success Factors of Business Intelligence Delivery – Challenges and Opportunities" 99

Internationalization of Educational Science on the Digital Ecosystem - Invited Session

Organizer: Trung Tran (Vietnam)

- Tran, Trung; Nguyen, Ngoc Giang (Vietnam): "Half-Century of Application of Information Technology in Mathematics Education: From Web-Based Learning to Cloud-Based Learning" 107
- Tran, Trung; Xuan, Thanh Pham; Le, Lan Thi-Hoai (Vietnam): "EDUZ Solution for Digital Transformation in School" 115
- Trang, Nguyen Ngoc; Tuan, Nguyen Anh; Phuong, Nguyen Lan (Vietnam): "Integrating Artificial Intelligence With Social Network Supporting New Student Onboarding: Factors Create Digital Learning Ecosystem" 123

The Private Sector and the ICT

- Kreicbergs, Toms (Latvia): "Mixed Method Research on Consumer Perception of Traditional and Modern Masculinity in Advertising" 129

- Authors Index** 135