# TOPIC AREA

## Informing Science and Transdisciplinarity

**The Translational Learning EcoSystem**  
Gaetano R. Lotrecchiano, Marie Norman ............................................................ 1

**Modern Transdisciplinarity: Results of the Development of the Prime Cause and Initial Ideas**  
Vladimir S. Mokiy, Tatiana A. Lukyanova .......................................................... 2

**Facilitating Scientific Events Guided by Complex Thinking: A Case Study of an Online Inter/Transdisciplinary Advanced Training School**  
Ana Teixeira de Melo, Rita Campos ................................................................. 3

**Informing at the Crossroads of Design Science Research, Academic Entrepreneurship, and Digital Transformation: A Platform Ecosystem Roadmap**  
Ulrich Schmitt ................................................................................................. 4

**Understanding of the Quality of Computer-Mediated Communication Technology in the Context of Business Planning**  
JungHyun Nam ................................................................................................. 5

## Doctoral Issues

**Does Publishing During the Doctorate Influence Completion Time? A Quantitative Study of Doctoral Candidates in Australia**  
Meryl Pearce Churchill, Daniel Lindsay, Diana H Mendez, Melissa Crowe, Nicholas Emtage, Rhondda Jones ................................................................. 6

**Using Analytical Thought Process to Develop Instructional Rubrics in Writing Doctoral Dissertation Research Problem Statement – A Follow-Up Study**  
Azad Ali, Shardul Pandya, Umesh Varma ........................................................... 7

**Doctoral Journey During Covid-19: Reflections From a Collaborative Autoethnography**  
Aireen Grace Andal, Shuang Wu ........................................................................ 8

**Industrial PhD Education – Exploring Doctoral Students Acting in the Intersection of Academia and Work-Life**  
Iréne Bernhard, Anna Karin Olsson ................................................................. 9

**Writing Doctoral Dissertation Literature Review: Identifying the Prerequisites, Corequisites and the Iterative Process for Writing the Literature https://doi.org/10.28945/4962**  
Azad Ali, Shardul Pandya, Umesh Varma ........................................................... 10
Information Technology and Education

A Classification Schema for Designing Augmented Reality Experiences
Shaun Bangay, Sophie McKenzie .......................................................... 11

Retail Quest: Student Perceptions of a Virtual Field Trip App
Mary Lebens .......................................................................................... 12

A Study of University Students’ Adoption of 3D Immersive Virtual Worlds
Reza Ghanbarzadeh, Amir Hossein Ghapanchi ..................................... 13

Integrating Information Technology in Precollege Education in Kuwait: Teachers’ Perspectives on a Botched Initiative
Zainab M. AlQenaei, Omar Khalil, Abrar Y. Aldekheel ......................... 14

Factors Affecting the Quality of E-Learning During the COVID-19 Pandemic From the Perspective of Higher Education Students
Kesavan Vadakalur Elumalai, Jayendira P Sankar, Kalaichelvi R, Jeena Ann John, Nidhi Menon, Mufleh Salem M Alqahtani, May Abdulaziz Abumelha ... 15

Using Teach Back Tutorials to Overcome Pandemic Learning Gaps
Steven Sherman, Benjamin Larson, Jeffrey Bohler, E. Fran Smith .......... 16

E-Readiness of Preservice Kindergarten Teachers for Teaching Practices During the COVID-19 Lockdown Period [Abstract]
Merav Aizenberg, Gila Cohen Zilka ..................................................... 17

Why do Students not Choose to Study Information Systems? A Survey Study in Norway
Ali Acilar, Øystein Sæbo ...................................................................... 18

Affordances in Educational Technology: Perceptions of Teachers and Students in Oman
Wafa Al-Maawali .................................................................................. 19

The Tutor’s Role in the Online Training of Preservice Teachers: Tutor and Tutee Perspectives
Gila Cohen Zilka .................................................................................. 20

Student Learning Using MongoDB Sharding on a Cluster of Ubuntu Raspberry Pi 4B Servers
Robert T. Mason, William Masters ...................................................... 21

Digital Literacy in the Core: The Emerging Higher Education Landscape
Meg Murray, Jorge Pérez, Joy Fluker ................................................... 22

Student Ownership of Learning: A Student’s Experience
Rena Sakai, Christine Bakke ............................................................... 23

Other

An Exploration of a Virtual Connection for Researchers and Educators by Exploring Strategies Enterprise Information Systems Specialists Need to Integrate Novel Neural Network Algorithms Into an Imaging Application – A Design Science Study
Emma Quindazzi, Samuel Sambasivam .............................................. 24

Impact of Gender on Perceived Work Climate in Business Information Systems
Georg Disterer ..................................................................................... 25

Understanding the Value of Enterprise Resource Planning (ERP) Systems
Teboho Talasi, Lisa F. Seymour ........................................................... 26
Transition to a Competitive Consultant Selection Method: A Case Study of a Public Agency in Israel
Amichai Mitelman, Yahel Giat ................................................................. 27

Examining the Relationship Between Converged-Network Architecture and Remote Grassfire Alert Transmission Delay in Southeast Colorado: A Cybersecurity Availability Study
Mark P Wagoner, Samuel Sambasivam ............................................. 28

COVID-19 Conspiracy Theories in Canada: Know, Crack, Knock
Bob Travica .......................................................................................... 29

The Journey From Isolation to Community
Donna Armes-Thomas, Angela Matthews, Miguel Sanchez ................ 30

I Do Better, Feel Less Stress and Am Happier” – A Humanist and Affective Perspective on Student Engagement in an Online Class
Geraldine Torrisi-Steele ................................................................. 31

The Effect of a Blended Learning Course of Visual Literacy for In-service Teachers
Catalina Huilcapi-Collantes, Azucena Hernández Martín,
Juan Pablo Hernández-Ramos ............................................................ 32

Teacher-Student Interaction in Distance Learning in Emergency Situations
Hava Sason, Avichai Kellerman ............................................................. 33

Presentation of Using Design-Based Research to Layer Career-Like Experiences onto Software Development Courses
Christine Bakke, Rena Sakai ................................................................. 34

**Review Process**

Unless otherwise noted in the paper, all papers were reviewed blindly (that is, with author and affiliation information removed) by a panel of three or more external reviewers. The reviewers did not know the identity of the authors nor the authors the identity of the reviewers. Reviewers were matched to papers using a formula to minimize the cognitive distance between reviewers’ stated expertise and interest and the topics covered in the paper.

Reviewers were instructed to mentor the authors by providing feedback on how to improve the submission. They were further required to recommend whether or not the paper should be accepted using a nine-point scale (from “reject” to “must accept”).

Selected proceedings papers were also published in one of the Informing Science Institute journals.