

## Table of contents

### Full Length Articles

Game On! Students' Perceptions of Gamified Learning <i>Patrick Buckley, Elaine Doyle and Shane Doyle</i>	1–10
Exploring the Effects of Online Academic Help-Seeking and Flipped Learning on Improving Students' Learning <i>Wen-Li Chyr, Pei-Di Shen, Yi-Chun Chiang, Jau-Bi Lin and Chia-Wen Tsai</i>	11–23
Web-Based System for Adaptable Rubrics: Case Study on CAD Assessment <i>Pedro Company, Manuel Contero, Jeffrey Otey, Jorge D. Camba, María-Jesús Agost and David Pérez-López</i>	24–41
Differences in Views of School Principals and Teachers regarding Technology Integration <i>Magdalena Claro, Miguel Nussbaum, Ximena López and Victoria Contardo</i>	42–53
Synchronized Pair Configuration in Virtualization-Based Lab for Learning Computer Networks <i>Chaknarin Kongcharoen, Wu-Yuin Hwang and Gheorghita Ghinea</i>	54–68
Technology-Enhanced Peer Review: Benefits and Implications of Providing Multiple Reviews <i>Pantelis M. Papadopoulos, Thomas D. Lagkas and Stavros N. Demetriadis</i>	69–81
Effects of a Structured Resource-based Web Issue-Quest Approach on Students' Learning Performances in Computer Programming Courses <i>Ting-Chia Hsu and Gwo-Jen Hwang</i>	82–94
Student Engagement in Long-Term Collaborative EFL Storytelling Activities: An Analysis of Learners with English Proficiency Differences <i>Yun-Yin Huang, Chen-Chung Liu, Yu Wang, Chin-Chung Tsai and Hung-Ming Lin</i>	95–109
The Influences of the 2D Image-Based Augmented Reality and Virtual Reality on Student Learning <i>Hsin-Hun Liou, Stephen J. H. Yang, Sherry Y. Chen and Wernhuar Tarng</i>	110–121
An Investigation of Technological Pedagogical Content Knowledge, Self-Confidence, and Perception of Pre-Service Middle School Mathematics Teachers towards Instructional Technologies <i>Ilhan Karatas, Mutlu Piskin Tunc, Nurbanu Yilmaz and Gulzade Karaci</i>	122–132
Social and Collaborative Interactions for Educational Content Enrichment in ULEs <i>Rafael D. Araújo, Taffarel Brant-Ribeiro, Igor E. S. Mendonça, Miller M. Mendes, Fabiano A. Dorça and Renan G. Cattelan</i>	133–144
Students' Metacognition and Cognitive Style and Their Effect on Cognitive Load and Learning Achievement <i>Omar López-Vargas, Jaime Ibáñez-Ibáñez and Oswaldo Racines-Prada</i>	145–157
Improving Learning Analytics – Combining Observational and Self-Report Data on Student Learning <i>Robert A. Ellis, Feifei Han and Abelardo Pardo</i>	158–169
Metacognitive Support Accelerates Computer Assisted Learning for Novice Programmers <i>Siti Nurulain Mohd Rum and Maizatul Akmar Ismail</i>	170–181
Investigation of Continuous Assessment of Correctness in Introductory Programming <i>Deller James Ferreira, Hebert Coelho da Silva, Tatiane F. N. Melo and Ana Paula Ambrósio</i>	182–194
A Study of Supplementing Conventional Business Education with Digital Games <i>Abida Ellahi, Bilal Zaka and Fahd Sultan</i>	195–206
Using Mobile Learning to Support Students' Understanding in Geometry: A Design-Based Research Study <i>Helen Crompton</i>	207–219
Investigating the Period of Switching Roles in Pair Programming in a Primary School <i>Baichang Zhong, Qiyun Wang, Jie Chen and Yi Li</i>	220–233