# Table of contents

## Special issue articles

- **Guest Editorial – Knowledge Visualization for Learning and Knowledge Management**  
  Minhong Wang and Michael J. Jacobson  
  1-3

- **Visualizing Topic Flow in Students’ Essays**  
  Stephen T. O’Rourke, Rafael A. Calvo and Danielle S. McNamara  
  4-15

- **Concept Maps as Cognitive Visualizations of Writing Assignments**  
  Jorge Villalon and Rafael A. Calvo  
  16-27

- **Knowledge Visualization for Self-Regulated Learning**  
  Minhong Wang, Jun Peng, Bo Cheng, Hance Zhou and Jie Liu  
  28-42

- **Using Computer-Assisted Multiple Representations in Learning Geometry Proofs**  
  Wing-Kwong Wong, Sheng-Kai Yin, Hsi-Hsun Yang and Ying-Hao Cheng  
  43-54

- **Learning as ‘Knowing’: Towards Retaining and Visualizing Use in Virtual Settings**  
  Demosthenes Akoumianakis  
  55-68

## Full length articles

- **Screen-capturing System with Two-layer Display for PowerPoint Presentation to Enhance Classroom Education**  
  Yen-Shou Lai, Hung-Hsu Tsai and Pao-Ta Yu  
  69-81

- **Metacognitive Process in Online Text Construction**  
  Hui-Chin Yeh and Yu-Fen Yang  
  82-101

- **A Systematic Approach for Learner Group Composition Utilizing U-Learning Portfolio**  
  Yueh-Min Huang and Ting-Ting Wu  
  102-117

- **Using Online EFL Interaction to Increase Confidence, Motivation, and Ability**  
  Wen-chi Vivian Wu, Ling Ling Yen and Michael Marek  
  118-129

- **Investigation of Organizational Interaction and Support in an NGO through Computer-Mediated Discussions**  
  Yao-Jen Chang and Yao-Sheng Chang  
  130-140

- **A Simulation Model that Decreases Faculty Concerns about Adopting Web-Based Instruction**  
  Hae-Deok Song, Wei-Tsong Wang and Chao-Yueh Liu  
  141-151

- **Identification of Dysfunctional Cooperative Learning Teams Using Taguchi Quality Indexes**  
  Chin-Min Hsiung  
  152-162

- **Web-based Spatial Training Using Handheld Touch Screen Devices**  
  Norena Martin-Dorta, Jose Luis Saorin and Manuel Contero  
  163-177

- **Using Reflective Peer Assessment to Promote Students’ Conceptual Understanding through Asynchronous Discussions**  
  Huann-shyang Lin, Zaway-R Hong, Hsin-Hui Wang and Sung-Tao Lee  
  178-189

- **Supporting Mobile Collaborative Activities through Scaffolded Flexible Grouping**  
  Ivica Boticki, Chee-Kit Looi and Lung-Hsiang Wong  
  190-202

- **QTIMaps: A Model to Enable Web Maps in Assessment**  
  Toni Navarrete, Patricia Santos, Davinia Hernández-Leo and Josep Blat  
  203-217

- **Evaluation of the Learning Path Specification**  
  José Janssen, Adriana J. Berlanga and Rob Koper  
  218-230

- **AUPress: A Comparison of an Open Access University Press with Traditional Presses**  
  Rory McGreal and Nian-Shing Chen  
  231-239