

## Table of contents

### Special issue articles

**Theme: *Context-Aware and Ubiquitous Learning***

**Guest Editors: *Stephen J.H. Yang, Toshio Okamoto and Shian-Shyong Tseng***

Context-Aware and Ubiquitous Learning (Guest Editorial) <i>Stephen J.H. Yang, Toshio Okamoto and Shian-Shyong Tseng</i>	1-2
Using annotation services in a ubiquitous Jigsaw cooperative learning environment <i>Yueh-Min Huang, Tien-Chi Huang and Meng-Yeh Hsieh</i>	3-15
Designing a Self-contained Group Area Network for Ubiquitous Learning <i>Nian-Shing Chen, Kinshuk, Chun-Wang Wei and Stephen J.H. Yang</i>	16-26
Augmenting Traditional Books with Context-Aware Learning Supports from Online Learning Communities <i>Gwo-Dong Chen and Po-Yao Chao</i>	27-40
Contextualised Media for Learning <i>Tim de Jong, Marcus Specht and Rob Koper</i>	41-53
From Virtual Environments to Physical Environments: Exploring Interactivity in Ubiquitous-learning Systems <i>Hsinyi Peng, Chien Chou and Chun-Yu Chang</i>	54-66
Effects of a Mobile Electronic Guidebook on Visitors' Attention and Visiting Behaviors <i>Yao-Ting Sung, Kuo-En Chang, Yi-Hsuan Lee and Wen-Cheng Yu</i>	67-80
Criteria, Strategies and Research Issues of Context-Aware Ubiquitous Learning <i>Gwo-Jen Hwang, Chin-Chung Tsai and Stephen J.H. Yang</i>	81-91
Towards Ubiquitous Communication Support for Distance Education with Alert Management <i>Dickson K.W. Chiu, Samuel P.M. Choi, Minhong Wang and Eleanna Kafeza</i>	92-106

### Full length articles

The Culture Based Model: Constructing a Model of Culture <i>Patricia A. Young</i>	107-118
Learning Objects Update: Review and Critical Approach to Content Aggregation <i>Panos Balatsoukas, Anne Morris and Ann O'Brien</i>	119-130
Toward an Open and Interoperable e-Learning Portal: OEPortal <i>Kevin Chihcheng Hsu and Fang-Chuan Ou Yang</i>	131-148
Computer-Supported Teacher Development of Pedagogical Content Knowledge through Developing School-Based Curriculum <i>Yih-Ruey Juang, Tzu-Chien Liu and Tak-Wai Chan</i>	149-170
An Object-Oriented Course Framework for Developing Adaptive Learning Systems <i>Shian-Shyong Tseng, Jun-Ming Su, Gwo-Jen Hwang, Gwo-Haur Hwang, Chin-Chung Tsai and Chang-Jiun Tsai</i>	171-191
Dealing with the Students' Attention Problem in Computer Supported Face-to-Face Lecturing <i>Nelson Baloian, José A. Pino and H. Ulrich Hoppe</i>	192-205

Using Taxonomic Indexing Trees to Efficiently Retrieve SCORM-compliant Documents in e-Learning Grids <i>Wen-Chung Shih, Shian-Shyong Tseng and Chao-Tung Yang</i>	206-226
A Framework for Adopting LMS to Introduce e-Learning in a Traditional Course <i>Katerina Georgouli, Ilias Skalkidis and Pedro Guerreiro</i>	227-240
A ‘Uses and Gratification Expectancy Model’ to predict students’ ‘Perceived e-Learning Experience’ <i>Makingu Mondli, Peter Woods and Ahmad Rafi</i>	241-261
A Structural Equation Model for ICT Usage in Higher Education <i>Yasemin Koçak Usluel, Petek Aşkar and Turgay Baş</i>	262-273
Perceptions of Instructional Technology: Factors of Influence and Anticipated Consequences <i>Robyn E. Parker, Alison Bianchi and Tsui Yi Cheah</i>	274-293
Short-Term Psychological Effects of Interactive Video Game Technology Exercise on Mood and Attention <i>William D. Russell and Mark Newton</i>	294-308
A Virtual Change Agent: Motivating Pre-service Teachers to Integrate Technology in Their Future Classrooms <i>ChanMin Kim and Amy L. Baylor</i>	309-321
Contributions to Adaptive Educational Hypermedia Systems via on-line Learning Style Estimation <i>Sotiris Botsios, Demetrius Georgiou and Nikolaos Safouris</i>	322-339

 **Book review(s)**

Control and Constraint in E-Learning - Choosing When to Choose <i>Reviewer: Sabine Graf</i>	340-343
Blended Learning Tools for Teaching and Training <i>Reviewer: Esyin Chew</i>	344-347