

Contents

Keynotes

Virtual Reality-Based Learning Environments: Recent Developments and Ongoing Challenges	3
<i>Horace H.S. Ip and Chen Li</i>	
What Really Works in Hybrid Learning: A Cognitive Perspective	15
<i>Jayshiro Tashiro, Patrick C.K. Hung, Miguel Vargas Martin, and Robert R. Tashiro</i>	
Applying Social Enterprise Concept: Exploratory Study at Bangkok Metropolitan Administration Schools	36
<i>David Delahunty and Kongkiti Phusavat</i>	
Connecting Dots for Ubiquitous Learning Analytics	46
<i>Hiroaki Ogata and Kousuke Mouri</i>	

Experiences in Hybrid Learning

Investigating the Effectiveness of the Uses of Electronic and Paper-Based Dictionaries in Promoting Incidental Word Learning	59
<i>Di Zou, Haoran Xie, Fu Lee Wang, Tak-Lam Wong, and Qingyuan Wu</i>	
Flexible Hybrid Learning: Comparative Study	70
<i>Katerina Kostolanyova, Radka Jurickova, Ivana Simonova, and Petra Poulouva</i>	
Applying Grounded Theory Method in Building a Hybrid Learning Activities Model	82
<i>Kedong Li</i>	
Exploration of Hybrid Teaching of Software Engineering on StarC	94
<i>Jiangbo Shu, Beibei Wan, Jiaojiao Li, Zhaoli Zhang, Liang Wu, and Hai Liu</i>	
Feasibility Study of Hybrid Learning Strategy in Adult Correspondence Education.	106
<i>Geng Chen, Ronghuai Huang, Cheng Xu, and Xiaoli Sun</i>	
Learning with Video: The Digital Knowledge Representation and Digital Reading.	118
<i>Wenge Guo, Yang Li, and Jie Gao</i>	

Computer Supported Collaborative Learning

Potential of Social Media Not Only in Collaborative Learning: Expectations and Reality Case Study	137
<i>Miloslava Cerna</i>	
Effectiveness of Collaborative Learning with Complex Tasks Under Different Learning Group Formations: A Cognitive Load Perspective	149
<i>Liming Zhang, Slava Kalyuga, Chee Ha Lee, Cheokpong Lei, and Jianli Jiao</i>	
Knowledge Trade and Sharing in Knowledge Management System	160
<i>Jong Chang Ahn and Soon Ki Jeong</i>	
Toward a Highly Interactive Model of Flipped Learning	173
<i>Cheng-Yu Tsai, Chih-Tsan Chang, Jenq-Muh Hsu, Hung-Hsu Tsai, Zhi-Cheng Dai, and Pao-Ta Yu</i>	
Collaborative Learning Using Social Media Tools in a Blended Learning Course	187
<i>Jeanne Lam</i>	
The Impact of Online Discussion Platform on Students' Academic Performance	199
<i>Kwan Keung Ng, Ching Hong Luk, Fu Lee Wang, and Louise Luk</i>	

Improved Flexibility of Learning Processes

The Expanding Online Learning Universe: Applications to Business Education	211
<i>Owen Hall Jr., Kenneth Ko, Robert Emrich, and Yingxi Lu</i>	
Development and Use of a Questionnaire for Evaluating K-12 Smart Classroom.	218
<i>Ronghuai Huang, Junfeng Yang, Yongbin Hu, and Xiaochen Wang</i>	
Research on Problem-Oriented Instruction Mode Supported by Electronic Schoolbag	231
<i>Youru Xie, Qinlei Wang, Yaowei Li, Lam-for Kwok, Yang Yang, and Fengxi Guo</i>	
A Study of an E-schoolbag Supporting Flipped Classroom Model for Junior Mathematics Review Class	243
<i>Miaoshan Ni, Lam-for Kwok, Lanzhen Zhen, Youru Xie, Haiping Long, Xing Zheng, and Wei Li</i>	
A Study on the Development of an XML-Based E-Book Authoring System.	255
<i>Joseph Fong, T.Y. Ku, and Simon K.S. Cheung</i>	

Study on Learner Model in Adaptive Learning System Based on Ant Colony Algorithm	267
<i>Qingtang Liu, Jingxiu Huang, Linjing Wu, Jian Hu, and Min Hu</i>	

Learning Styles and Behaviours

Sequential-Global Learning Style Detection Based on Users' Navigation Patterns in the Prerequisite Structure	283
<i>Yang Yang, Howard Leung, Zhanzhan Liu, Yongzhao Zhan, and Lanling Zeng</i>	
The Design of Intervention Model and Strategy Based on the Behavior Data of Learners: A Learning Analytics Perspective	294
<i>Fati Wu, Luoying Huang, and Rui Zou</i>	
Understanding Learners' Intension Toward Massive Open Online Courses . . .	302
<i>River Chu, Erdan Ma, Yan Feng, and Ivan K.W. Lai</i>	
Learning Analytics of Cross-University Educational Resource Based on THEOL Course Union	313
<i>Qian Zhou, Xibin Han, and Juan Yang</i>	
An Investigation of Factors Influencing College Students' Mobile Learning Behavior	323
<i>Lin Feng, Xiangyan Kong, Sha Zhu, and Harrison Hao Yang</i>	
A Comparison Study of Student Acceptance of Social Network Services and Mobile Technologies in Hybrid Learning	334
<i>Lui Lam and Fowie Ng</i>	

Pedagogical and Other Issues

Research on E-Learning Oriented Micro-Resources Organization and Generation Method	349
<i>Chune Guo, Linjing Wu, Qingtang Liu, Jiaying Qin, and Jian Hu</i>	
Districts Performance Evaluation of Informatization of Basic Education Based on DEA	359
<i>Chun Lu, Congcong Li, and Di Wu</i>	
The Comparative Analysis of Teachers' Inclinations to Problem Enriched Instruction Based on Item Response Theory	370
<i>Lu Wang and Rongxiao Cai</i>	
Involving Students in Mobile Learning Content Development: Successes and Challenges	382
<i>Shudong Wang, Douglas Jarrell, and Jun Iwata</i>	

Visualizing and Understanding the Digital Divide	394
<i>Sha Zhu, Harrison Hao Yang, and Lin Feng</i>	
How Video Games Enhance Learning: A Discussion of James Paul Gee's Views in His Book <i>What Video Games Have to Teach Us About Learning and Literacy</i>	404
<i>Lu Zhang and Junjie Shang</i>	
Author Index	413

Hybrid Learning: Innovation in Educational Practices
8th International Conference, ICHL 2015, Wuhan, China,
July 27-29, 2015. Proceedings

Cheung, S.K.S.; Kwok, L.-f.; Yang, H.; Fong, J.; Kwan, R.
(Eds.)

2015, XIV, 414 p. 123 illus., Softcover

ISBN: 978-3-319-20620-2