

**International Conference on Blended Learning 2017**

*and*

**International Symposium on Educational Technology 2017**

# **CONFERENCE PROGRAMME**

27 to 29 June 2017

HONG KONG SAR · PR CHINA

# INTERNATIONAL CONFERENCE ON BLENDED LEARNING 2017

## CONFERENCE ORGANIZATION

### Organizers :



### Co-organizers :



### Sponsor :



# INTERNATIONAL SYMPOSIUM ON EDUCATIONAL TECHNOLOGY 2017

## SYMPOSIUM ORGANIZATION

### Organizers :



### Co-organizers :



### Technical Sponsor :



## INTERNATIONAL CONFERENCE ON BLENDED LEARNING 2017

### ABOUT THE CONFERENCE

The International Conference on Blended Learning (ICBL) is an annual international conference with the main focus on blended learning – an integration of the traditional learning with innovative means, such as e-learning and open online learning, in order to create a new learning environment to enhance learning effectiveness and enrich learning experience. The purpose of ICBL is to bring together researchers and developers from education and computer science to advance the research of blended learning.

This year, ICBL 2017 marks the 10<sup>th</sup> anniversary of the conference series. The main theme is *Blended Learning : New Challenges and Innovative Practices*. Accepted papers are included in the conference proceedings published by Springer under its Lecture Notes in Computer Science series (LNCS), as volume 10309. Selected papers will be recommended to a special issue of the International Journal of Innovation and Learning published by Inderscience, and the Open Learning : The Journal of Open, Distance and e-Learning published by Routledge (Taylor and Francis).

Commencing in 2008, ICBL with its predecessors the International Conference on Hybrid Learning (ICHL) had attracted delegates from many countries, including China, Hong Kong, Macau, Taiwan, Malaysia, Singapore, Thailand, Japan, Australia, Czech Republic, France, Germany, UK, Canada, and USA. All the conference proceedings have been published by Springer under its LNCS series. Previous conferences are highlighted below.

<u>Conference</u>	<u>Venue</u>	<u>Date</u>	<u>Publication</u>
1 <sup>st</sup> ICHL 2008	City University of Hong Kong	13-15 August 2008	LNCS vol. 5169
2 <sup>nd</sup> ICHL 2009	University of Macau	25-27 August 2009	LNCS vol. 5685
3 <sup>rd</sup> ICHL 2010	Beijing Normal University	16-18 August 2010	LNCS vol. 6248
4 <sup>th</sup> ICHL 2011	SPACE, University of Hong Kong	10-12 August 2011	LNCS vol. 6837
5 <sup>th</sup> ICHL 2012	South China Normal University	13-15 August 2012	LNCS vol. 7411
6 <sup>th</sup> ICHL 2013	University of Toronto	12-14 August 2013	LNCS vol. 8038
7 <sup>th</sup> ICHL 2014	East China Normal University	8-10 August 2014	LNCS vol. 8595
8 <sup>th</sup> ICHL 2015	Central China Normal University	27-29 July 2015	LNCS vol. 9167
9 <sup>th</sup> ICBL 2016	Peking University	19-21 July 2016	LNCS Vol. 9757

## INTERNATIONAL SYMPOSIUM ON EDUCATIONAL TECHNOLOGY 2017

### ABOUT THE SYMPOSIUM

The International Symposium on Educational Technology (ISET) is an annual international symposium with the main focus on a wider scope of educational technology. The purpose of ISET is to bring together researchers and developers from education and computer science to advance the research and application of information and communication technology in education.

ISET 2017 is held together with ICBL 2017. The main theme is *Innovative Application of Technology in Education*. Accepted papers are included in the symposium proceedings published by IEEE Computer Society Conference Publishing Services (CPS). Selected papers will be recommended to a special issue of the International Journal of Innovation and Learning published by Inderscience.

The Symposium series started in 2015. ISET 2015 was held on 27-29 July 2015 at the Central China Normal University, Wuhan, China. ISET 2016 was held on 19-21 July 2016 at the Peking University, Beijing, China. The Symposium Proceedings of ISET 2015 and ISET 2016 were published by IEEE CS CPS and indexed in the IEEE Xplore, IEEE Computer Society Digital Library and Engineering Index (EI).

## CONFERENCE VENUE

### **City University of Hong Kong**

Tat Chee Avenue, Kowloon Tong, Kowloon, Hong Kong SAR




香港城市大學

香港九龍塘達之路

<b>Registration</b>	Reception Area, Benjamin Kwok Lecture Theatre 16 Purple Zone, 4/F, Academic 1
<b>Opening Remark</b>	Benjamin Kwok Lecture Theatre 16 Purple Zone, 4/F, Academic 1
<b>Keynote Session</b>	Benjamin Kwok Lecture Theatre 16 Purple Zone, 4/F, Academic 1
<b>Parallel Session</b>	Benjamin Kwok Lecture Theatre 16, Rooms P4701, P4703 & P4704 Purple Zone, 4/F, Academic 1
<b>Panel Session</b>	Benjamin Kwok Lecture Theatre 16 Purple Zone, 4/F, Academic 1
<b>Closing Remark</b>	Benjamin Kwok Lecture Theatre 16 Purple Zone, 4/F, Academic 1
<b>Tea</b>	Reception Area, Benjamin Kwok Lecture Theatre 16 Purple Zone, 4/F, Academic 1
<b>Lunch</b>	City Chinese Restaurant 8/F, Amenities Building
<b>Banquet</b>	City Chinese Restaurant 8/F, Amenities Building

## City University of Hong Kong Campus Map



-  Benjamin Kwok Lecture Theatre 16, Purple Zone, 4/F, Academic Building 1
-  Rooms P4701, P4703 and P4704, Purple Zone, 4/F, Academic Building 1
-  City Chinese Restaurant 8/F, Amenities Building

### Direction to City University of Hong Kong by Mass Transit Railway

- Get off at Kowloon Tong station, and find Exit C to Festival Walk.
- Take the escalator at Level LG1 of Festival Walk, which brings you to a pedestrian subway leading to Academic Building 1 of City University of Hong Kong.

### Direction to City University of Hong Kong by Taxi

- Ask the taxi driver to take you to City University of Hong Kong, Tat Chee Avenue, Kowloon Tong, Kowloon and drop you off at the University Circle.
- Go along the covered walkway and follow the directional signs which will lead you to Academic 1 Building of City University of Hong Kong.

# INTERNATIONAL CONFERENCE ON BLENDING LEARNING 2017

## CONFERENCE PROGRAMME

**26 June 2017**

(Registration from 15:00 to 18:00)

**27 June 2017**

08:30 – 09:15	Registration	
09:15 – 09:30	Opening Remarks	
09:30 – 10:30	<p><u>Keynote Session 1</u></p> <p><b>Smart Learning Environments in Smart Cities</b></p> <p><i>Prof. Ronghuai Huang</i></p> <p><i>Beijing Normal University, Beijing, China</i></p> <p>introduced by Lam-For Kwok</p>	
10:30 – 11:00	Tea Break	
11:00 – 12:00	<p><u>Keynote Session 2</u></p> <p><b>The Case for Blended Learning</b></p> <p><i>Prof. Christian Wagner</i></p> <p><i>City University of Hong Kong, HKSAR</i></p> <p>introduced by Yan Keung Hui</p>	
12:00 – 14:00	Lunch Break	
14:00 – 15:30	<p><u>Parallel Session</u></p> <p><b>ICBL 2017 : Experience in Blended Learning (I)</b></p> <p><i>Chair : Yan Keung Hui</i></p> <p>(Venue : Lecture Theatre 16)</p>	<p><u>Parallel Session</u></p> <p><b>ICBL 2017 : Assessment for Blended Learning</b></p> <p><i>Chair : Jiyoun Jia</i></p> <p>(Venue : Room P4701)</p>
15:30 – 16:00	Tea Break	
16:00 – 17:30	<p><u>Parallel Session</u></p> <p><b>ICBL 2017 : Experience in Blended Learning (II)</b></p> <p><i>Chair : Kwan Keung Ng</i></p> <p>(Venue : Lecture Theatre 16)</p>	<p><u>Parallel Session</u></p> <p><b>ICBL 2017 : Open Educational Resources</b></p> <p><i>Chair : Simon K.S. Cheung</i></p> <p>(Venue : Room P4701)</p>



**28 June 2017**

09:00 – 09:30	Registration	
09:30 – 10:30	<p style="text-align: center;"><u>Keynote Session 3</u></p> <p style="text-align: center;"><b>International Collaborative Project-based Learning: How did US and Japanese students learn together at a distance when supported by ICT?</b></p> <p style="text-align: center;"><i>Prof. Kenichi Kubota</i> <i>Kansai University, Japan</i> introduced by Simon K.S. Cheung</p>	
10:30 – 11:00	Tea Break	
11:00 – 12:00	<p style="text-align: center;"><u>Keynote Session 4</u></p> <p style="text-align: center;"><b>Blended Learning as Means of Support within the Elderly People Education</b></p> <p style="text-align: center;"><i>Prof. Petra Poulova</i> <i>University of Hradec Kralove, Czech Republic</i> introduced by Oliver Au</p>	
12:00 – 14:00	Lunch Break	
14:00 – 15:30	<p style="text-align: center;"><u>Parallel Session</u></p> <p style="text-align: center;"><b>ICBL 2017 : Computer-Supported Collaborative Learning</b></p> <p style="text-align: center;"><i>Chair : Qingtang Liu</i> (Venue : Lecture Theatre 16)</p>	<p style="text-align: center;"><u>Parallel Session</u></p> <p style="text-align: center;"><b>ICBL 2017 : Pedagogical and Psychological Issues</b></p> <p style="text-align: center;"><i>Chair : Fu Lee Wang</i> (Venue : Room P4701)</p>
15:30 – 16:00	Tea Break	
16:00 – 17:30	<p style="text-align: center;"><u>Parallel Session</u></p> <p style="text-align: center;"><b>ICBL 2017 : Improved Flexibility of Learning Processes</b></p> <p style="text-align: center;"><i>Chair : Di Wu</i> (Venue : Lecture Theatre 16)</p>	<p style="text-align: center;"><u>Parallel Session</u></p> <p style="text-align: center;"><b>ICBL 2017 : Strategies in Blended Learning</b></p> <p style="text-align: center;"><i>Chair : Rong Miao</i> (Venue : Room P4701)</p>
18:00	Conference Banquet	

**29 June 2017**

09:00 – 09:30	Registration	
09:30 – 10:30	<p><u>Panel Session</u></p> <p><b>Opportunities and Challenges of Blended Learning: The Past, Present and Future</b></p> <p><b><i>Prof. Harrison Hao Yang (chair)</i></b> <i>State University of New York at Oswego, USA</i></p> <p><b><i>Prof. Kedong Li (co-chair)</i></b> <i>South China Normal University, Guangzhou, China</i></p> <p>introduced by Fu-Lee Wang</p>	
10:30 – 11:00	Closing Remarks and Award Presentation	
11:00 – 18:00	<p><u>Site Visit</u></p> <p><b>Huawei Headquarters in Shenzhen</b></p>	<p><u>Site Visit</u></p> <p><b>Virtual Reality Laboratory AIMtech Centre City University of Hong Kong</b></p>

# INTERNATIONAL SYMPOSIUM ON EDUCATIONAL TECHNOLOGY 2017

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(Registration from 15:00 to 18:00)

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10:30 – 11:00	Tea Break	
11:00 – 12:00	<u>Keynote Session 2</u> <b>The Case for Blended Learning</b> <i>Prof. Christian Wagner</i> <i>City University of Hong Kong, HKSAR</i> introduced by Yan Keung Hui	
12:00 – 14:00	Lunch Break	
14:00 – 15:30	<u>Parallel Session</u> <b>ISSET 2017 : Online Platform and Environment</b> <i>Chair : Lap-Kei Lee</i> (Venue : Room P4703)	<u>Parallel Session</u> <b>ISSET 2017 : Open Education Resources</b> <i>Chair : Simon K.S. Cheung</i> (Venue : Room P4704)
15:30 – 16:00	Tea Break	
16:00 – 18:00	<u>Parallel Session</u> <b>ISSET 2017 E-Learning and Online Learning (I)</b> <i>Chair : Oliver Au</i> (Venue : Room P4703)	<u>Parallel Session</u> <b>ISSET 2017 : Instructional Technology</b> <i>Chair : Yan Keung Hui</i> (Venue : Room P4704)

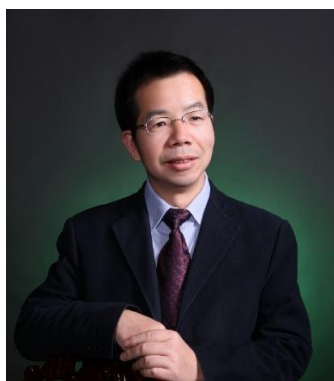
**28 June 2017**

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10:30 – 11:00	Tea Break	
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12:00 – 14:00	Lunch Break	
14:00 – 15:30	<p style="text-align: center;"><u>Parallel Session</u></p> <p style="text-align: center;"><b>ISSET 2017 : Ubiquitous Learning and Flexible Learning</b></p> <p style="text-align: center;"><i>Chair : Kwan Keung Ng</i> (Venue : Room P4703)</p>	<p style="text-align: center;"><u>Parallel Session</u></p> <p style="text-align: center;"><b>ISSET 2017 : Issues and Experience in Blended Learning</b></p> <p style="text-align: center;"><i>Chair : Oliver Au</i> (Venue : Room P4704)</p>
15:30 – 16:00	Tea Break	
16:00 – 18:00	<p style="text-align: center;"><u>Parallel Session</u></p> <p style="text-align: center;"><b>ISSET 2017 : E-Learning and Online Learning (II)</b></p> <p style="text-align: center;"><i>Chair : Lap-Kei Lee</i> (Venue : Room P4703)</p>	<p style="text-align: center;"><u>Parallel Session</u></p> <p style="text-align: center;"><b>ISSET 2017 : Learning Analytics</b></p> <p style="text-align: center;"><i>Chair : Fu Lee Wang</i> (Venue : Room P4704)</p>
18:00	Conference Banquet	

**29 June 2017**

09:00 – 09:30	Registration	
09:30 – 10:30	<p><u>Panel Session</u></p> <p><b>Opportunities and Challenges of Blended Learning: The Past, Present and Future</b></p> <p><b><i>Prof. Harrison Hao Yang (chair)</i></b> <i>State University of New York at Oswego, USA</i></p> <p><b><i>Prof. Kedong Li (co-chair)</i></b> <i>South China Normal University, Guangzhou, China</i></p> <p>introduced by Fu-Lee Wang</p>	
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## KEYNOTE SESSION 1



### **Smart Learning Environments in Smart Cities**

Ronghuai Huang

Faculty of Education

Beijing Normal University, Beijing, China

**Biography.** Ronghuai Huang is a Professor in Faculty of Education and Dean of Smart Learning Institute in Beijing Normal University in which educational technology is one of the National Key Subjects, and director of R&D Center for Knowledge Engineering. He received “Chang Jiang Scholar” award in 2016, which is the highest academic award issued to an individual in higher education by the Ministry of Education in China. He has been actively exploring how to enhance people’s learning by developing new tools and using new methods creatively, especially in collaboration learning and corresponding supporting software. He had been engaged in the instruction of mathematics courses and the development of computer software, the study and research of educational technology, and then the research of educational technology and knowledge engineering. He has accomplished or is doing over 30 projects, including those of key science and technology project to be tackled in the national “Ninth Five-year Plan” and “Tenth Five-year Plan,” and the projects in the national 863 plan as well as others financed by the Ministry of Education, Ministry of Science and Technology, Ministry of Information Industry, Ministry of Labor and Beijing Municipality, and has gained a number of important research outcomes and breakthrough of key technology. He has had more than 180 academic papers and 20 books or textbooks published.

**Abstract.** Lots of research has been done on smart cities, however, only few studies can be found on smart cities from the educational perspective. We will discuss the framework of building smart city from educational perspective to identify the importance for building smart learning environments in smart cities. Then we will analyze the typical learning environments in cities: school/university, family, community, workplace, and museum. Based on the analysis, we develop the indicators to evaluate learning environments in smart cities. In the end, we will discuss the characters of smart learning, and analyze the difference of traditional classroom learning, digital learning and smart learning. This keynote will cover the framework for building smart cities, the typical learning environments in smart cities, the indicators for evaluating learning environments in smart cities and the characters of smart learning.

## KEYNOTE SESSION 2

### **The Case for Blended Learning**



Christian Wagner

City University of Hong Kong, HKSAR

**Biography.** Christian Wagner is Chair Professor of Social Media in the School of Creative Media, City University of Hong Kong. He received his PhD in Business Administration from the University of British Columbia in 1989. Prof. Wagner specializes in the development and study of creativity support, collective intelligence, knowledge management, and the use of computer systems for learning. He is an award-winning author, multiple teaching award winner, experienced administrator, and software entrepreneur. He presently investigates the role of immersion and gamification in learning. Prof. Wagner also serves as Chief Information Officer and Associate Provost (Quality Assurance) at the City University of Hong Kong.

**Abstract.** In the continuum between face-to-face and online courses, blended learning becomes a hybrid proposition, which, when successfully executed, balances and integrates the best of both learning models. Based on a reflection of the origins of face-to-face versus pure e-learning models and their corresponding benefits and challenges, this keynote makes a case of the usefulness of blended learning as a preferred, rather than a compromise learning model. The keynote will explore the benefits of decomposition of learning activities, the challenges of front-loading preparation activities, quality challenges, as well as the role of presence. The keynote will further raise questions about the economics of learning, critical mass, and blended learning medium and message.

### KEYNOTE SESSION 3



#### **International Collaborative Project-Based Learning: How did US and Japanese students learn together at a distance when supported by ICT?**

Kenichi Kubota

Kansai University, Japan

**Biography.** Professor Kubota is a Professor of Informatics at the Kansai University in Osaka, Japan. He received Ph.D. degree in Instructional Systems Technology from Indiana University in 1991. His research specialties include the design of learning environment using Web 2.0, participatory international development, communication in development and educational technology. Professor Kubota has been actively organizing international collaborations on ICT education: “E-learning junior high schools in Latin America” with Peru and Costa Rica; “Field work project with ICT educators” with Niger and Burkina Faso; “ICT education survey” with Australia; “Building infrastructure of ICT” with the Philippines; “Improvement of school curriculum for elementary schools” with Syria, among others. Professor Kubota is the former president of Japan Association for Educational Media Study and a trustee of Japan Society for Educational Technology.

**Abstract.** Technological advancement, for example Web 2.0, has supported new learning paradigms such as blended, distance, collaborative, and cross-cultural learning. However, instructional methods in Japanese universities are still traditional. ICT, as a collaborative media incorporated into learning activities, is a possible direction for 21st century education. The author introduces two cases of distance collaborative learning between University of Hawaii campuses in Honolulu, USA and Kansai University, Osaka, Japan. The first case is a year-long program for undergraduate students studying environmental science. Starting with video conferencing between US and Japan, the students became acquainted with each other. Then, Japanese students visited Hawaii and worked together to investigate invasive algae along the seashore. Next, US students came to Japan to study a satoyama ecosystem. This program consisted of both distance and face-to-face collaboration to prepare reports and produce video products. The second case is a semester-long graduate course. Japanese and US students collaboratively produced short video programs while working in teams at a distance. Teams from both countries encountered difficulties, but overcame them at the end of the program. Overall, most students were satisfied with their collaborative experiences.



## KEYNOTE SESSION 4



### **Blended Learning as Means of Support within the Elderly People Education**

Petra Poulouva

Faculty of Informatics and Management  
University of Hradec Kralove, Czech Republic

**Biography.** Professor Poulouva is a vice-dean of the Faculty of Informatics and Management at the University of Hradec Kralove, and the president of Hradec IT cluster and chairman of the Board Technological Centre of Hradec Kralove. She received her PhD in Educational Science from Charles University, Prague, and doc. (associate professor) in Systems Engineering and Informatics from the University of Hradec Kralove, Czech Republic. She works as an associate professor in the Department of Informatics and Quantitative Methods at the Faculty of Informatics and Management, University of Hradec Kralove.

Professor Poulouva's research interests include IT in teaching and learning, learning/teaching styles, social networks, and database and information systems. She has published over 120 referred journal articles, book chapters and conference papers. She is also actively involved in academic and professional communities and has been a member of the Czech Association of Distance University Education Board, a member of EUNIS-CZ (European Organization for University Information Systems), as well as a program and organizing chair of international conferences and a member of committees for e-learning awards.

**Abstract.** This keynote will present a research conducted within the elderly people in Czech Republic, which works as a pilot research to the representative study of ways how the elderly reach and develop their IT skills, particularly how social relationships work as movers within this process. The method of questionnaire was applied to the research sample of 432 respondents attending the University of the Third Age and IT courses held by the Municipality of Hradec Kralove. The results clearly proved that the elderly people meet the three predefined criteria for successful implementation of blended learning in this age group, as they both possess modern devices and have skills to exploit them successfully for various purposes. There are no limits showing their education should be excluded from the list.

## **PANEL SESSION**

### **Opportunity and Challenges of Blended Learning : The Past, Present and Future**



**Harrison Hao Yang (chair)**

*State University of New York at Oswego, USA*

Professor Yang received his Doctor of Education from Florida International University. He is a Professor in the School of Education, State University of New York at Oswego, USA. He is also the Dean of the School of Educational Information Technology at Central China Normal University, Wuhan, China.



**Kedong Li (co-chair)**

*South China Normal University, China*

Professor Li is the Director of the Research Institute of Educational Technology and the former Dean of the School of Information Technology in Education in South China Normal University. He is also the Director of the Educational Technology Centre for Guangdong Province Higher Education.

## INTERNATIONAL CONFERENCE ON BLENDED LEARNING 2017

### PARALLEL PAPER SESSIONS

#### **ICBL 2017 : Experiences in Blended Learning (I)**

***Chair : Yan Keung Hui***

A Review of Learning Behaviors in Using E-Schoolbag: Enhancing Academic Performance in Primary Chinese

*Yan Keung Hui, Bo Mai, Sheng Qian and Lam-for Kwok*

Blended Learning in the University English Courses: Case Study

*Blanka Klimova, Ivana Simonova and Petra Poulova*

College Students' Computer Self-efficacy, Intrinsic Motivation, Attitude, and Satisfaction in Blended Learning Environments

*Yanhong Li, Harrison Hao Yang, Jin Cai and Jason MacLeod*

A Survey on Teachers' Ability to Apply Electronic Schoolbag into Teaching

*Qinlei Wang, Jing Bai and Rui Yao*

The Findings of Multi-Mode Blended Learning in K-12: a Case Study of V-China Education Program

*Yushun Li, Meiqin Wu, Jinrui Dai and Shengri Chen*

#### **ICBL 2017 : Experiences in Blended Learning (II)**

***Chair : Kwan-keung Ng***

E-learning in Accounting Programmes in Hong Kong: Evolution and Effectiveness

*Billy Tak-Ming Wong, Kam Cheong Li, Beryl Yuen-Yee Wong and Joseph Shiu-Wing Yau*

Japanese Students' Utilization of Courseware in a Blended Learning Environment

*Yoko Hirata and Yoshihiro Hirata*

Blended Learning as a mover in the Tourism&Management Study Programme?

*Ivana Simonova*

Blended-Experiential Learning Model: An Action Research Case Study

*Ivan Ka-wai Lai, Kwan-keung Ng and Joseph Shi-piu Fong*

Prior Knowledge Dwarfs Hard Work in Achieving Academic Performance

*Oliver Au, Raymond So and Lap Kei Lee*

### **ICBL 2017 : Strategies in Blended Learning**

***Chair : Rong Miao***

Research on Blended Learning Model Based on Electronic Schoolbag

*Min-sheng Fan, Ming Liu and Yu Wang*

Learning Analytics for Monitoring Students Participation Online: Visualizing Navigational Patterns on Learning Management System

*Leonard K. M. Poon, Siu-Cheung Kong, Thomas S. H. Yau, Michael Wong and Man Ho Ling*

Construction of the 3L5G Task-Driven Instructional Model : Fostering Computational Thinking of Junior High School Students in Application Software Course

*Yi Fan and Xiaotong Yang*

The Enlightenment of Learning Sciences to Blended Learning

*Rong Miao and Qian Dong*

The Design and Development of Intellectual Skills Assessment App of Pupils in U-Learning Environment

*Qiwen Guan, Jiaxin Liu, Xiaoling Huang, Jiehua He, Wei Li and Chuangxin Sheng*

### **ICBL 2017 : Assessment for Blended Learning**

***Chair : Jiyou Jia***

Online Learning Activity Index (OLAI) and Its Application for Adaptive Learning

*Jiyou Jia and Yueyang Yu*

Analysis on the effect of knowledge sharing in network learning space - a case study of teachers' Workshop

*Qingtang Liu, Hong Wang and Si Zhang*

Topic Classification on Short Reflective Writings for Monitoring Students' Progress

*Leonard K. M. Poon, Zichao Li and Gary Cheng*

Evaluation of stress conditions for FIM UHK students in order to improve Blended Learning and flexibility of educational process

*Věra Strnadová, Petr Voborník, Jiří Haviger and Kateřina Provazníková*

Effects of Mobile Apps on Learning Motivation and Study Performance of Nursing Students

*Kam Cheong Li, Linda Yin-King Lee, Suet-Lai Wong, Ivy Sui-Yu Yau and Billy Tak-Ming Wong*

## **ICBL 2017 : Computer-Support Collaborative Learning**

***Chair : Qingtang Liu***

Empirical Study on Google Earth (GE)-integrated Science Lessons: Cases from Two Chinese Elementary Schools

*Xiuli Cheng, Yuqing Guo and Yan Li*

A Study on Grouping Strategy of Collaborative Learning Based on Clustering Algorithm

*Qingtang Liu, Shen Ba, Jingxiu Huang, Linjing Wu and Chuanyuan Lao*

The study on the roles in the practical applying oriented asynchronous collaborative learning network

*Bo Liu, Huijie Cui, Xiao Liu and Changqin Huang*

Using Blended Learning for Collaborative Learning in Herbal Medicine

*Verayuth Lertnattee and Bunyapa Wangwattana*

Interactive whiteboard-based instruction versus Lecture-based instruction: A study on college students' academic self-efficacy and academic press

*Yinghui Shi, Changling Peng, Xue Zhang and Harrison Hao Yang*

## **ICBL 2017 : Pedagogical and Psychological Issues**

*Chair : Fu Lee Wang*

A Review on Recent Development of the Involvement Load Hypothesis

*Haoran Xie, Di Zou, Fu Lee Wang and Tak-Lam Wong*

A Curriculum Design to Cultivate Creative Thinking through Educational Games

*Sijie Ma, Junjie Shang and Haiming Xiao*

Deployment of Cognitive and Affective Determinants in Blended Learning - case study

*Miloslava Cerna*

The Influence of Different Personality Traits on Learning Achievement in Three Learning Situations

*Lu Wang, Yuan Tian, Yuju Lei and Zongkui Zhou*

## **ICBL 2017 : Improved Flexibility of Learning Processes**

*Chair : Di Wu*

Investigation of the ICT Situation in Chinese Primary School: The Role of School Characteristics

*Congcong Li, Wenting Zhou, Chun Lu and Di Wu*

Blended Learning for Improving Flexibility of Learning Structure Query Language (SQL)

*Verayuth Lertnattee and Perayot Pamonsinlapatham*

A Hand-waving Dance Teaching System based on Kinect

*Qingtang Liu, Shufan Yu, Yang Wang, Huixiao Le and Yangyang Yuan*

Design of a Mobile Handwriting Test Revision System for Cognitive Apprenticeship Instruction Model in Mathematics Learning

*Hung-Hsu Tsai, Jie-Yan Peng, You-Ming Yong and Chun-Shan Wang*

The Remote Synchronous Classroom in China

*Jin Cai, Harrison Hao Yang, Yanhong Li and Jason MacLeod*

## **ICBL 2017 : Open Educational Resources**

*Chair : Simon K.S. Cheung*

Distance-Learning Students' Perception on the Usefulness of Open Educational Resources

*Simon K.S. Cheung*

Learning Experience Questionnaire for Multimedia Case-Based Instruction: Development, Validation and Implications for Design

*Tingting Yang and Heng Luo*

Research on Open University Online Courses Learning Support Service(OCLSS) from the Perspective of Ubiquitous Learning

*Xianyue Wu, Yi Qiu, Youru Xie, Huiyan Zhang and Lihong Wu*

Analysis on the Development of Educational Resources in the Open Universities in China

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