Program Overview

Time	Sun., Oct. 6	Mon., Oct.7		Tue., Oct.8		Wed., Oct.9	
09:00~ 09:20		Opening				Round Table	
09:20~ 10:20		Keynote Speech 1		Keynote Speech 2			
10:20~ 10:40		Tea Break		Tea Break		Tea Break	
10:40~ 12:20		Sess. A1 (Invited)	Sess. B1 (Conf.)	Sess. A4 (Conf.)	Sess. B4 (Conf.)	Sess. A6 (Workshop)	Sess. B6 (Workshop)
12:20~ 13:30	Registration	Lunch		Lunch		Lunch	
13:30~ 15:10		Sess. A2 (Conf.)	Sess. B2 (Conf.)	Local Tour		Sess. A7 (Workshop)	Sess. B7 (Workshop)
15:10~ 15:30		Tea Break				Tea Break	
15:30~ 17:10		Sess. A3 (Conf.)	Sess. B3 (Conf.)			Sess. A8 (Workshop)	Sess. B8 (Workshop)
18:00~ 21:00	Welcome Reception	Seafood Dinner + Kenting Night Market Tour		Conference Banquet		17:20 Dinner Box 18:30 Free Shuttle Bus to Kaohsiung	

Presentation Guidelines

- Presentation time for keynote speeches will be 45 minutes plus 15 minutes for questions and discussion.
- Presentation time for invited speeches will be 40 minutes plus 10 minutes for questions and discussion.
- Presentation time for round table will be decided by the round-table organizers.
- Presentation time for conference papers will be 15 minutes plus 5 minutes for questions.
- Presentation time for workshop papers will be decided by the workshop organizers according to the available number of papers per workshop (recommended time: 12 minutes plus 5 minutes for questions)
- Conference rooms will be equipped with laptops and video projectors.
- Please bring your presentation in PDF format on a USB stick.

Day 1

Time	Sun., Oct. 6
12:30~ 17:10	**Registration**
18:00~ 21:00	**Welcome Reception** Room: Hill 1 & Hill 2

Day 2

Time	Mon., Oct.7
09:00~ 09:20	Opening Ceremony Chairs: Prof. Jhing-Fa Wang and Prof. Rynson Lau Room: Hill 1
09:20~ 10:20	Keynote Speech 1 The Impact of open access on academic publishing in learning technology Speaker: Prof. Nick Rushby Chair: Qing Li Room: Hill 1
10:20~ 10:40	Tea Break

Time	Sess.A1: Invited Speech Chair: Yueh-Min Huang		Sess. B1: Interactive learning environments Chairs: Pao-Ta Yu & Timothy K. Shih	
	Room: Hill 1		Room: Hill 2	
10:40~ 12:20	Invited Speech 1 Community Learning Analytics – Challenges and Opportunities Speaker: Dr. rer. nat. Ralf Klamma (Detail) Invited Speech 2 Affective Learning: Evidences from Neuroscience Speaker: Dr. Chia-Ju Liu (Detail)	#58	SpeakUp - A Mobile App Facilitating Audience Interaction	*Adrian Holzer, Sten Govaerts, Jan Ondrus, David Rigaud, Andrii Vozniuk, Benoît Garbinato and Denis Gillet*
		#14	Gesture identification research and applications in evaluation systems	*Shou-Jen Lin, Jui-Le Chen, Yu-Chen Tsai, Ping-Chun Chang and Chu-Sing Yang*
		#56	Develop and Evaluate the Effects of Multi-image Presentation System on College Student Learning Achievement and Satisfaction	*Fang-O Kuo and Pao-Ta Yu*
		#20	Using Kinect for Holodeck Classroom: A Framework for Presentation and Assessment	*Worapot Sommool, Batbaatar Battulga, Timothy K. Shih and Wu-Yuin Hwang*
12:20~ 13:30	Lunch			

	Sess. A2: Design, Model and Framework of e-Learning Systems Chairs: Andrzej M.J. Skulimowski & Howard Leung,			Sess. B2: Personalized and Adaptive Learning Chair: Sachio Hirokawa		
	Room: Hill 1			Room: Hill 2		
13:30~ 15:10	#35	Web-Based Learning in Remote Areas: Evaluation of Learning Goals, Scenarios and Bidirectional Satellite Internet Implementation DVB-RCS technology deployment	*Andrzej M.J. Skulimowski*	#05	An Interactive and Personalized Cloud-Based Virtual Learning System to Teach Computer Science	*Jing Zhao and Babak Forouraghi*
	#77	Formal Evaluation Methodology of Educational Scenario in Distance Learning	*Ben Sassi Manel and Laroussi Mona*	#63	Towards open corpus adaptive e-learning systems on the Web	*Milos Kravcik and Jian Wan*
	#46	Comparison of students' perception of Moodle in a Taiwan university against students in a Portuguese university	*Yao-Hua Wang, Yuen-Hsien Tseng and Chi-Cheng Chang*	#15	Discovery of Action Patterns in A Task-oriented Learning Process	*Xiaokang Zhou, Jian Chen and Qun Jin*
	#83	Igniting Students' Passion for Knowledge by Incorporating a Discovery Enriched Curriculum	*Howard Leung, Zhifei Li and Jianmin Zhao.*	#23	Automated Evaluation of Student Comments on Their Learning Behavior	*Kazumasa Goda, Sachio Hirokawa and Tsunenori Mine*
	#68	Initial Design Principles for an Educational, On-line Information Security Laboratory	*Sarfraz Iqbal and Devinder Thapa*	#66	Support for non IT savvy teachers to incorporate games	*Cat Kutay, Toni Wain and Moira Sim*
15:10~ 15:30	**Tea Break**					
	Sess. A3: Web 2.0 and Social Learning Environments Chairs: Elvira Popescu & Martin Homola			Sess. B3: Intelligent Tools for Visual Learning Chairs: Chih-Kai Chang & Christoph Meinel		
	Room: Hill 1			Room: Hill 2		
15:30~ 17:10	#03	Effective Location-Based Geo-tagged Image Retrieval for Mobile Culture and Tourism Education	*Yi Zhuang, Dickson K.W.Chiu, Guochang Jiang, Hua Hu and Nan Jiang*	#10	Lecture Video Browsing Using Multimodal Information Resources	*Haojin Yang, Franka Grünewald, Matthias Bauer and Christoph Meinel*

	#69	**Social Action-based Learning in Construction Education: A New Teaching Strategy**	*Yu-Chieh Wu and Jie-Chi Yang*	#18	**Evaluating the Digital Manuscript Functionality - User Testing For Lecture Video Annotation Features**	*Franka Grünewald, Haojin Yang and Christoph Meinel*
	#65	**A Preliminary Study on the Facebook-based Learning Platform Integrated with Blended Learning Model and Flip Learning for Online and Classroom Learning**	*Kun-Hsien Li, Shi-Jer Lou, Kou-Hung Tseng and Hsiu-Chu Huang*	#48	**Using Visual Programming Language for Remedial instruction: Comparison of Alice and Scratch**	*Ching Chang, Yu-Ling Lin and Chih-Kai Chang*
	#42	**Using Social Networking Services to Support Learning**	*Elvira Popescu and Dorin Ghita*	#08	**Methods enabling web-based learning of control algorithm implementation using experimental pilot-plants**	*Witold Nocon and Grzegorz Polakow*
	#28	**Motivational Effect of Peer Review in Blog-based Activities**	*Zuzana Kubincová, Martin Homola and Veronika Bejdová*	#44	**Towards an Online Lab portal for Inquiry-based STEM Learning at School**	*Sten Govaerts, Yiwei Cao, Andrii Vozniuk, Adrian Holzer, Danilo Garbi Zutin, Elio San Cristobal Ruiz, Lars Bollen, Sven Manske, Nils Faltin, Christophe Salzmann, Eleftheria Tsourlidaki and Denis Gillet*
18:00~ 21:00	**Seafood Dinner + Kenting Night Market Tour**					

Day 3

Time	Tue., Oct.8					
09:20~ 10:20	Keynote Speech 2 What do we know about mobile learning? Critical syntheses and meta-analyses on the research of last two decades Speaker: Prof. Yao-Ting Sung Chair: Qun Jin Room: Hill 1					
10:20~ 10:40	**Tea Break**					
10:40~ 12:20	Sess. A4: Semantic Web and Ontologies for E-learning Chairs: Ralf Klamma & V Senthil Kumaran			Sess. B4: Web-based Learning for Languages Learning Chair: Min Kang		
	Room: Hill 1			Room: Hill 2		
	#01	**Temporal Faceted Learning of Concepts using Web Search Engines**	*Zheng Xu, Lin Mei, Shunxiang Zhang, and Feiyue Ye*	#26	**Exploring the effectiveness of adopting the ASR-based system to facilitate adults' English speaking proficiency**	*Yi Hsuan Wang and Shelley S.-C. Young*
	#19	**An approach to model and validate scenarios of serious games in the design stage**	*Amel Yessad, Jean-Marc Labat and Thibault Carron*	#52	**Applying skype in English as a foreign language instruction: Effect on students' speaking errors**	*Yen-Chen Yen, Huei-Tse Hou and Kuo En Chang*
	#71	**An automated assessment of students' learning in e-learning using concept map and ontology mapping**	*V Senthil Kumaran and A Sankar*	#16	**Analysis of E-learning Logs to Estimate Students' Phonemic Perception Confusion in English Word Recognition**	*Min Kang, Yaheng Zou, Harumi Kashiwagi, Kazuhiro Ohtsuki and Makoto Kaburagi*
	#59	**Community Learning Analytics - Challenges and Opportunities**	*Ralf Klamma*	#45	**COLLEAP – COntextual Language LEArning Pipeline**	*Bartholomäus Wloka and Werner Winiwarter*
	#55	**Harnessing the Potential of Accessibility Standards and Responsive Web Design Practices to Achieve Learning Interoperability on the Level of the User Interface**	*Mohamamd Al-Smadi and Vladimir Tomberg*	#22	**Development of Material Automatic Generation System Based on the Analysis of Phonemic Errors in English Vocabulary Listening**	*Yaheng Zou, Kashiwagi Harumi, Kazuhiro Ohtsuki and Min Kang*
12:20~ 13:30	**Lunch**					
13:30~ 17:10	**Local Tour**					
18:00~ 21:00	**Conference Banquet** Room: Hill 1 & Hill 2					

Day 4

Time	Wed., Oct.9					
09:00~ 10:20	**Round Table** Supporting Inquiry and Problem Based Learning with Online Labs and STEM Apps -- Impact of learning analytics, inquiry learning, MOOCs, and e-books on online labs and STEM apps Organizers: Yiwei Cao[1], Sten Govaerts[2], Nils Faltin[1], and Denis Gillet[2] [1]Information Multimedia Communication AG, Germany [2]École Polytechnique Fédérale de Lausanne, Switzerland Room: Hill 1 (Detail)					
10:20~ 10:40	**Tea Break**					
10:40~ 12:20	Sess. A6: Workshop WIL'13 Chairs: Jeng-Shyang Pan & Mong-Fong Horng			Sess. B6: Workshop KMEL2013 & USL2013 Chairs: Dickson Chiu & Xiaokang Zhou		
	Room: Hill 1			Room: Hill 2		
	#21	A Web-based Virtual Lab Platform for Algorithm Learning	*Wei Zhou, Yu Sheng and Jianxin Wang.*	#36	Analysing Learning Flows in Digital Learning Ecosystems	*Maka Eradze, Kai Pata and Mart Laanpere.*
	#57	A Genetic Algorithm-Based Multiple Characteristics Grouping Strategy for Collaborative Learning	*Hui-Wen Tien, Yu-Shih Lin, Yi-Chun Chang and Chih-Ping Chu.*	#50	Research Trends of Language Learning in Virtual Reality from 2003 to 2012: A Content Analysis	*Tsun-Ju Lin and Yu-Ju Lan.*
	#60	Adaptation Based on Navigation Type and Learning Style	*Nabila Bousbia, Amina Gheffar and Amar Balla.*	#17	An Interactive 3D Social Graphs for Social Learning	*Noorkholis Luthfil Hakim, Shun-Kai Wang, Timothy K. Shih, Wu-Yuin Hwang, Yu-Ren Chen and Ankhtuya Ochirbat*
	#70	A Novel Recommendation Relevancy Measure for Collaborative Filtering	*Bo Shu, Zhendong Niu, Chunxia Zhang, Xiaotian Jiang, Hongping Fu and Wei Chen*	#93	Improving KeyNote Trust Management Model Based on User Behavior for Social Learning	*Rui Xu, Guangquan Xu, Dazhi Sun, Xiaohong Li and Zhiyong Feng.*
	#97	Automatic clustering of research articles using domain ontology and fuzzy logic	*Ramanathan Periakaruppan and Rethinaswamy Nadarajan*			

	#114	**Model of Teachers' Personalized Decision Making on Activities and Resources in Web-based Training**	*Kai-Li Wang and Wen-Ya Liu.*			
12:20~ 13:30		**Lunch**				

	Sess. A7: Workshop IWEEC 2013 Chairs: Ting-Ting Wu & Ming-Chi Liu			Sess. B7: Workshop IWCWL'13 Chairs: Chu-Sing Yang & Feng-Jung Liu		
	Room: Hill 1			Room: Hill 2		
13:30~ 15:10	#79	**Enhancing Teamwork Performance in Mobile Cloud-Based Learning**	*Geng Sun and Jun Shen*	#54	**The Learning Effect of Students' Cognitive Styles in Using Cloud Technology**	*Ching Hung Yeh and Chia-Cheng Hsu*
	#90	**An e-book based competitive learning system for conducting mobile plants learning activities to improving student learning outcome**	*Hsueh-Liang Lin, Chen-Chien Fang, Yen-Ning Su, Chia-Cheng Hsu, Ming-Yi Shih and Yueh-Min Huang*	#92	**Framework of Supporting Structured Game Script Learning System**	*Feng-Jung Liu and Chun-Wei Tseng*
	#91	**The E-Book Learning System with Problem-based Learning in Public Health Nursing Practice Course**	*Shu-Hsien Huang, Ting-Ting Wu and Yueh-Min Huang*	#98	**Performance Analysis using Petri Net based MapReduce model in Heterogeneous Clusters**	*Sheng-Tzong Cheng, Hsi-Chuan Wang, Yin-Jun Chen and Chen-Fei Chen*
	#96	**Increasing Students' Vocabulary Size Through the Use of Latent Semantic Analysis in a Mobile Learning Environment**	*Yu-Fang Chiou, Bor-Chen Kuo and Chen-Huei Liao*	#105	**Integration of MapReduce with an Interactive Boosting Mechanism for Image Background Subtraction in Culture Sightseeing**	*Sheng-Tzong Cheng, Yin-Jun Chen, Yu-Ting Wang and Chen-Fei Chen*
	#100	**Analyzing Immersion in Digital Game-based E-Book Learning through Learners' Facial Expressions**	*Hong-Ren Chen, Qing-Fu Chen and Yeng-Lin Lu*	#106	**An Weighted-Content strategy for Integrating Heterogeneous Itembanks**	*Shih-Pang Tseng, Wen-Hsiang Fu, and Chu-Sing Yang*
	#2	**Cloud-based mobile learning in cultural tourism: An empirical study of QR code use**	*Yao-Kuei Lee and Fang-Tsen Chung*	#117	**Teaching Effectively with the Multi-screen Multimedia Integrated System**	*Tsung-Sheng Cheng, Yu-Chun Lu, and Chu-Sing Yang*

15:10~ 15:30	Tea Break					
	Sess. A8: Workshop IWSLL'13 Chairs: Yao-Kuei Lee & Shu-Chin Yen			Sess. B8: Workshop IWSLL'13 Chairs: Wuu-Wen Lin & Tzong-Song Wang		
	Room: Hill 1			Room: Hill 2		
15:30~ 17:10	#99	Clustering XML documents for Web based learning	*Ramanathan Periakaruppan and Rethinaswamy Nadarajan*	#111	Web-Based-Learning via Tajen Cloud	*Wuu-Wen Lin and Chiou-Mei Chen*
	#89	Promoting vocational business education via mobile learning: An empirical study of experiential learning	*Yao-Kuei Lee, Po-Sen Huang, Fang-Tsen Chung and Jaw-Shyang Wu*	#112	Complementary to Web-based Education on Summer Camp of Marine Energy	*Chung-Liang Chen and Wuu-Wen Lin.*
	#72	Preliminary Investigation of Interactive Behaviors in Distant Collaborative Exergame	*Kanoksak Wattanachote, Wu-Yuin Hwang, Timothy K. Shih, Shih-Ching Yeh and Shi-Yi Zhan*	#115	Web-based Ubiquitous Learning	*Chiou-Mei Chen and Wuu-Wen Lin*
	#76	Second Heart Sound (S2) Decomposition by Hilbert Vibration Decomposition (HVD) for Affective Signal Modeling and Learning	*Shovan Barma, Bo-Wei Chen, Hung-Ming Wang, Hung-Jui Wang and Jhing-Fa Wang*	#116	Measuring Adult Reasons for and against Web-based IT : A View of the US and a Crouching Tiger	*Tzong-Song Wang*
	#104	Cultural Sensitivity Training Task: An Avenue of Enhancing Students' Cultural Awareness and its Perspectives of Web-based Learning	*Jaw-Shyang Wu and Shu-Chin Yen*	#119	A Virtual Reality based Training System for Cultural Tourism	*Shih-Pang Tseng, Mei-Wen Huang, Hsu-Jung Liu, Chao-Cheng Chung and Chun-Mei Chiu*
17:20~ 18:00	Dinner Box					
18:30	Free Shuttle Bus to Kaohsiung					