The 4th International Conference on Web-based Learning (ICWL 2005)
SCOPE, Academic Exchange Building, City University of Hong Kong

Program

31st, Jul

Time	Event
2:30	Tutorial Workshop by Paul Wang and Xun Lai
3:30	Coffee-break
3:50 ~ 5:00	Tutorial Workshop by Paul Wang and Xun Lai

1st, Aug (Day 1)

Time	Main Track	Application Track
8:45	**Welcome Speech by Chi-Hou Chan** Dean, Faculty of Science and Engineering, CityU	
8:50	**Opening Speech by She Mang,** Principal Inspector, EMB	
9:10	**Plenary Keynote Talk by John Treloar,** Education Director, Asia Pacific, Macromedia	
10:00	**Plenary Keynote Talk by Shaun Rein,** Managing Director, WebCT	
10:45	Coffee-break	
11:00 (100 min)	**Main Track : S1A** Learning Resources Deployment, Organization and Management / *Chair: Weijia Jia*	**Application Track 1** Innovative Applications / *Chair: Kenneth Lau*
12:40	Lunch	
2:00	**Plenary Keynote Talk by Paul Vitanyi,** CWI and University of Amsterdam, Netherlands	
3:00 (60 min)	**Main Track : S1B** e-Learning Platforms and Tools(1) / *Chair: Howard Leung*	**Application Track** Workshop by Horace Ip
4:00	Coffee-break	
4:20 ~ 5:40 (80 min)	**Main Track : S1C** e-Learning Platforms and Tools(2) / *Chair: Hongen Lu*	**Application Track** Workshop by Horace Ip (Ends at 4:50) / Panel Discussion (5:00 – 6:30 PM)
7:00 – 9:30 PM	Reception Dinner Sponsored by Macromedia	

2nd, Aug (Day 2)

Time	Main Track	Application Track
9:00	**Plenary Keynote Talk by Timothy K. Shih,** Tamkang University, Taiwan	
9:50	Coffee-break	
10:10 (140 min)	**Main Track : S2A** Practical Experience & Sharing(1) / *Chair: Edward Ho*	**Application Track 2** Tools and Models / *Chair: Joseph Fong*
12:30	Lunch	
2:00 (100 min)	**Main Track : S2B** Practical Experience & Sharing(2) / *Chair: Joseph Fong*	**Application Track 3** Tools and Models / *Chair: Andrew Lui*
3:40	Coffee-break	
4:00 ~ 6:00 (120 min)	**Main Track : S2C** Practical Experience & Sharing(3) / *Chair: Frederick Li*	**Application Track 4** Human Factors / *Chair: Philip Tsang*
7:00 – 9:30 PM	Conference Banquet	

3rd, Aug (Day 3)

Time	Main Track : S3A	Main Track : S3B
9:00	e-Learning Community & Systems(1) / *Chair: Marian Choy*	e-Learning Systems Architecture / *Chair: James Lui*
10:15	Coffee-break	
10:30 ~ 11:30	e-Learning Community & Systems(2) / *Chair: Ngo Chong Wah*	Main Track Panel Discussion

Local Tour and Lunch starts at 11:30 a.m.

Sessions' Location:

Registration: SCOPE, LG/F, Academic Exchange Building, City University of Hong Kong, Tat Chee Ave., Kowloon Tong, Kowloon.
Reception Dinner: City Top Restaurant, 9/F, Amenity Building, City University of Hong Kong.
Conference Banquet: House of Canton, LG2-40, Festival Walk, 80 Tat Chee Avenue, Kowloon Tong, Kowloon.
Opening, Plenary Keynote Talk: SCOPE Lecture Theatre (SLT), SCOPE, Academic Exchange Building, City University of Hong Kong.
Main Track Sessions: Day 1 – SCOPE Executive Training Room 2 (SET2)   Day 2 - SCOPE Lecture Theatre (SLT)
         Day 3 (S3A) - SCOPE Executive Training Room 2 (SET2)   Day 3 (S3B) – SCOPE Executive Training Room 1 (SET1)
Application Track Sessions: Day 1 - SCOPE Lecture Theatre (SLT)   Day 2 - SCOPE Seminar Room 2 (SRM2)
Industrial Exhibition/Demo and Internet/Email Access: Day 1 and Day 2 - SCOPE Executive Training Room 1 (SET1)
Tutorial Workshop (31st July):   G2336, Internet Technology Laboratory, Academic Building, City University of Hong Kong.

The 4th International Conference on Web-based Learning (ICWL2005) Presentation Schedule

Plenary Keynote Talk

Monday, August 1	8:45-10:45	Venue: SCOPE Lecture Theatre (SLT), CityU
8:45 ~ 8:50	**Welcome Speech** ***Chi-Hou Chan, Dean, Faculty of Science and Engineering, CityU***	
8:50 ~ 9:10	**Opening Speech** ***She Mang, Principal Inspector, EMB***	
9:10 ~ 10:00	**Teaching and Learning - towards Flexibility** ***John Treloar, Education Director, Asia Pacific, Macromedia***	
10:00 ~ 10:45	**Imagine a World : A Look into the Future of e-Learning** ***Shaun Rein, Managing Director, WebCT***	

Monday, August 1	2:00-2:50	Venue: SCOPE Lecture Theatre (SLT), CityU
2:00 ~ 2:50	**Automatic meaning discovery using Google** ***Paul Vitanyi, CWI and University of Amsterdam, Netherlands***	

Tuesday, August 2	9:00-9:50	Venue: SCOPE Lecture Theatre (SLT), CityU
9:00 ~ 9:50	**Ubiquitous Learning with SCORM** ***Timothy K. Shih, Tamkang University, Taiwan***	

Tutorial Workshop

Sunday, July 31	2:30-5:00	Venue: G2336, Internet Technology Laboratory, Academic Building, CityU
2:30-3:30; 3:50-5:00	**WME: Web-based Mathematics Education** ***Paul Wang and Xun Lai, Kent State University, USA***	

Monday, August 1	3:00-4:50	Venue: SCOPE Lecture Theatre (SLT) Academic Exchange Building, CityU
3:00-4:00; 4:20-4:50	**Effective Deployment of Innovative Technologies for School-based Educational Development** ***Horace Ip, AIMtech Centre, City University of Hong Kong***	

Presentation Schedule for Main Track Sessions (Day 1)

Venue: SCOPE Executive Training Room 2 (SET2)

Monday, August 1	11:00-12:40	**S1A : Learning Resources Deployment, Organization and Management Chair : Weijia Jia**
11:00	#13 Designing a Learning Objects Repository - The Views of Higher Education Faculty *Philippos Pouyioutas , Maria Poveda*	
11:20	#22 An Novel Resource Recommendation System based on Connecting to Similar E-Learners *Fan Yang, Peng Han, Ruimin Shen, Zuwei Hu*	
11:40	#43 MECCA-learn: A Community Based Collaborative Course Management System for Media-rich Curricula in the Film Studies *Marc Spaniol, Ralf Klamma, Thomas Waitz*	
12:00	#77 Building Learning Management Systems Using IMS Standards: Architecture of a Manifest Driven Approach *Luis Sierra José, Moreno-Ger Pablo, Martínez-Ortiz Iván, López-Moratalla Javier, Fernández-Manjón Baltasar*	
12:20	#50 The Design and Implementation of Digital Signal Processing Virtual Lab Based on Components *Jianxin Wang, Lijuan Liu, Weijia Jia*	

Venue: SCOPE Executive Training Room 2 (SET2)

Monday, August 1	3:00-4:00	**S1B : e-Learning Platforms and Tools (1) Chair : Howard Leung**
3:00	#15 A Core Model Supporting Location-aware Computing in Smart Classroom *Hongliang Gu, Yuanchun Shi, Guangyou Xu, Yu Chen*	
3:20	#35 Student Adoption towards Web-based Learning Platform *Heidi Fung*	
3:40	#28 ALIAS: an Automated Lab Information Administration System *Hongen Lu, Sujan Pradhan*	

Venue: SCOPE Executive Training Room 2 (SET2)

Monday, August 1	4:20-5:40	**S1C : e-Learning Platforms and Tools (2) Chair : Hongen Lu**
4:20	#55 A Web-Based Classroom Environment for Enhanced Residential College Education *Kai Cheng, Limin Xiang, Toyohiko Hirota, Ushijima Kazuo*	
4:40	#63 Adaptive Internet Interactive Team Video *Dan Phung,Giuseppe Valetto,Gail Kaiser*	
5:00	#83 P2P Video Synchronization in a Collaborative Virtual Environment *Suhit Gupta, Gail Kaiser*	
5:20	#88 Virtual Experiment Services *Liping Shen, Ruimin Shen, Minglu Li*	

Presentation Schedule for Application Track Sessions (Day 1)

Venue: SCOPE Lecture Theatre (SLT)

Monday, August 1	11:00-12:40	**AT1 : Innovative Applications** **Chair : Kenneth Lau**
11:00	#27 Semantic Caching for Web Based Learning Systems *Xiao-Wei Hao, Tao Zhang, Lei Li*	
11:20	#74 A Mobile Agent Assisted Learning Resource Service Framework based on SOAP *Wu Di, Yang Zongkai, and Cheng Wenqing*	
11:40	#202 Teaching Stroke Order of Chinese Characters by Using Minimal Feedback *Kerry Tsang and Howard Leung*	
12:00	#207 Webits and Quality Control in Marking of Examination Scripts *PhilipTsang, Reggie Kwan, Andrew K. Lui, and Henry Lo*	
12:20	#54 Creation of a Library of Learning Objects (LO) from Pre Existing Contents *Leonel Iriarte Navarr, Manuel Marco Such, Pedro Pernias Peco, and Daniel Moron Martin*	

Venue: SCOPE Lecture Theatre (SLT)

Monday, August 1	3:00-4:50	**Application Track:** **Primary and Secondary School Workshop** **(Cantonese and English will be used)**
3:00-4:00; 4:20-4:50	Effective Deployment of Innovative Technologies for School-based Educational Development *Horace Ip, AIMtech Centre, City University of Hong Kong*	

Venue: SCOPE Lecture Theatre (SLT)

Monday, August 1	5:00-6:30	**Application Track: Panel Discussion** **(Cantonese and English will be used)** **Mediator: Kenneth Lau**
5:00-6:30	Trends, Challenges, and Solutions for Hong Kong Cybermode learning Panelists: *She Mang, Principal Inspector, EMB* *Chiu Chong Tak, Po Leung Kuk Yao Ling Sun College* *Lin Wan Lung, ELCHK Hung Hom Lutheran Primary School* *Terry To, ELCHK Hung Hom Lutheran Primary School* *Lee Sai Wa, Shak Chung Shan Memorial Catholic Primary School*	

Presentation Schedule for Main Track Sessions (Day 2)

Venue: SCOPE Lecture Theatre (SLT)

Tuesday, August 2	10:10-12:30	**S2A : Practical Experience and Sharing (1)** **Chair : Edward Ho**
10:10	#6 Student centered knowledge level analysis intelligent web pages eLearning for SQL *Joseph Fong , Jickhary Lee, Anthony Fong*	
10:30	#11 Web-based Chinese Calligraphy Retrieval and learning System *Yueting Zhuang, Xiafen Zhang, Weiming Lu, Fei Wu*	
10:50	#38 Computer-Assisted Item Generation for Listening Cloze Tests and Dictation Practice in English *Shang-Ming Huang, Chao-Lin Liu, Zhao-Ming Gao*	
11:10	#71 The Gong System: Web-based Learning for Multiple Languages, with Special Support for the Yale Representation of Cantonese *David Rossiter, Gibson Lam,Vivying Cheng*	
11:30	#206 An On-line Programming Environment With Automated Assessment *Ronnie Cheung*	
11:50	#44 An Approach to Acquire Semantic Relationships between Words from Web Document *Xia Sun, Qinghua Zheng, Haifeng Dang, Yunhua Hu, Huixian Bai*	
12:10	#89 Grounding Collaborative Knowledge Building in Semantics-Based Critiquing *Anders I. Mørch, William K. Cheung, Kelvin C. Wong, Jiming Liu, Cynthia Lee, Mason H. Lam, Janti P. Tang*	

Venue: SCOPE Lecture Theatre (SLT)

Tuesday, August 2	2:00-3:40	**S2B : Practical Experience and Sharing (2)** **Chair : Joseph Fong**
2:00	#93 Real-Time Adaptive Human Motions for Web-Based Training *Frederick W.B. Li, Becky Siu, Rynson W.H. Lau, Taku Komura*	
2:20	#49 A Web-based Environment to Improve Teaching and Learning of Computer Programming in Distance Education *S. C. Ng, S. O. Choy, R. Kwan, S. F. Chan*	
2:40	#16 Mobile Learning with Cellphones and PocketPCs *Minjuan Wang, Ruimin Shen, Ren Tong, Fan Yang, Peng Han*	
3:00	#80 A Design for Generating Personalised Feedback in Knowledge Construction *Jude Lubega, Lily Sun, Shirley Williams*	
3:20	#92 Refining the Results of Automatic e-Textbook Construction by Clustering *Jing Chen, Qing Li, Ling Feng*	

Venue: SCOPE Lecture Theatre (SLT)

Tuesday, August 2	4:00-6:00	**S2C : Practical Experience and Sharing (3)** **Chair : Frederick Li**
4:00	#12 Managing Student Expectations Online *D.A. Newlands, J.M. Coldwell*	
4:20	#75 Collaborative Virtual Learning Environment Using Synthetic Characters *Zhigeng Pan, Jiejie Zhu, Mingming Zhang, Weihua Hu*	
4:40	#82 Devising a Typology of LOs based on Pedagogical Assumptions *Emanuela Busetti, Giuliana Dettori, Paola Forcheri, Maria Grazia Ierardi*	
5:00	#94 Using Web Based Answer Hunting System to Promote Collaborative Learning *Guanglin Huang, Wenyin Liu*	
5:20	#40 The Impact of E-Learning on the Use of Campus Instructional Space *Tatiana Bourlova, Mark Bullen*	
5:40	#65 The Research of Mining Association Rules between Personality and Behavior of Learner under Web-Based Learning Environment *Du Jin, Zheng Qinghua, Li Haifei, Yuan Wenbin*	

Presentation Schedule for Application Track Sessions (Day 2)

Venue: SCOPE Seminar Room 2 (SRM2)

Tuesday, August 2	10:10-12:30	AT2 : Tools and Models Chair : Joseph Fong
10:10		#14 The InterTEST Web-Based Multiple-Choice Testing Software: Developing and Evaluating On-Line English Language Tests *Philippos Pouyioutas, Victoria Kalogerou, and Maria Poveda*
10:30		#210 Yet Another Platform for Web-based Learning *TS Li, S.M.Wong, and Reggie Kwan*
10:50		#21 On or Off the Slate: University Library E-Reserve Supports Web-based Learning *Ophelia Cheung*
11:10		#61 Design and Implement of The Web-based Virtual Laboratory for undergraduate Circuit Courses *Gu Rong, Zhu Miaoliang, and Dong Yabo*
11:30		#86 A Mechanism for Knowledge Map Construction on Personalized E-Learning Platform: A Semantic Approach *S.M. Huang, H.Y. Hsueh, and H.Y.Jiang*
11:50		*#66 WebLec: A full-scale lesson management support system developed by university students* *Satoshi Uchida*
12:10		#53 Concept Maps and Learning Objects *Leonel Iriarte Navarr, Manuel Marco Such, Pedro Pernias Peco, and Daniel Moron Martin*

Venue: SCOPE Seminar Room 2 (SRM2)

Tuesday, August 2	2:00-3:40	AT3 : Tools and Models Chair : Andrew Lui
2:00		#205 A Four-level of Evaluation for E-moderating Programme *Eva Tsang*
2:20		#209 Methodology for Developing Dynamic Web Authoring System for E-Learning *Yin Fei Yeung and Joseph Fong*
2:40		#90 Enhancing Problem-based Learning by E-learning: A Study with the Teaching of Data Structures and Algorithms *Kent K. T. Cheung, Alan Y. K. Chan, and Paul K. O. Chow*
3:00		#7 The Construction of Web-based Mastery Learning System *Hsien Tang Lin, Zhi Feng Liu, and Shyan-Ming Yuan*
3:20		#42 Blended Learning Approach with a Twofold Ambition: A Strategy to Address the Issue of Declining Enrollment in Mechanical Programs and A Promising Model in Teaching AutoCAD in Arabic *R. Bedri and M.O. Al-Nais*

Venue: SCOPE Seminar Room 2 (SRM2)

Monday, August 2	4:00-5:40	AT4 : Human Factors Chair : Philip Tsang
4:00		#201 Social Capital Creation and Reciprocity in Online Learning Platforms *Andrew K. Lui, Yannie Cheung, and Reggie Kwan*
4:20		#91 Are Teachers in Hong Kong Ready for e-Learning? *Teddy Koon Keung SO*
4:40		#69 Implementation Issues on the Specification for Service Quality Management of e-Learning *Yi Zhang, Zhiting Zhu, Xiaodong Xu, Zongkai Yang, and Sanlan Lu*
5:00		#203 A Comparative Evaluation and Correlation Between Learning Styles and Academic Achievement on E-Learning *Daniel Su*
5:20		#208 A Web-based Environment for Better Administration of Distance Learning Courses *S.C. Ng, S.O. Choy, R. Kwan, and Y.C. Tsang*

Presentation Schedule for Main Track Sessions (Day 3)
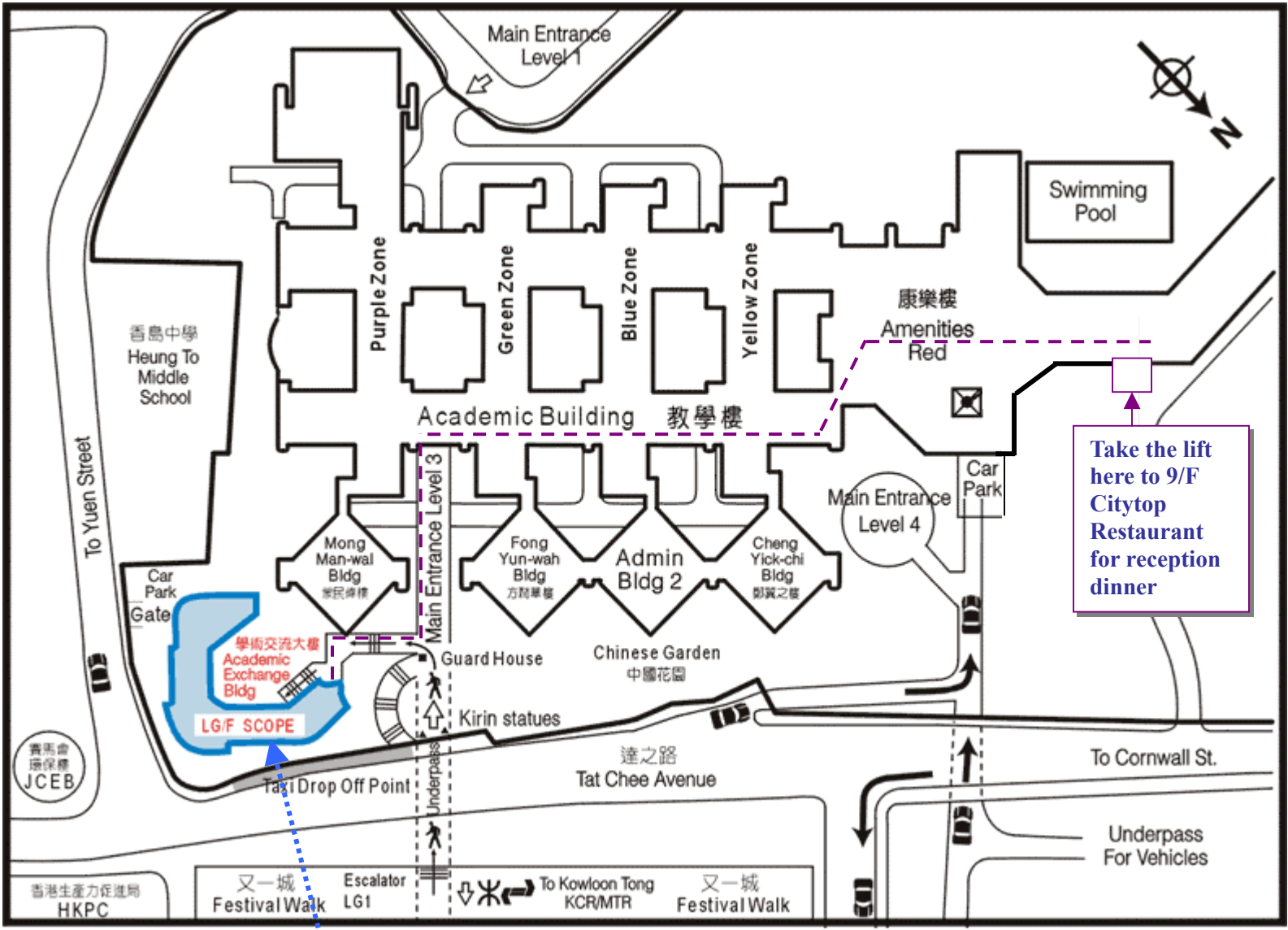
Venue: SCOPE Executive Training Room 2 (SET2)

Wednesday, August 3	9:00-10:15	**Short Paper Session (S3A) :** **e-Learning Community & Systems (1)** **Chair : Marian Choy**
9:00		#36 Design and Implementation of a J2EE-based Platform for Network Teaching *Zhen He, Li Qiu, Qinming He*
9:15		#60 Constructing a SCORM-Compliant Intelligent Strategy Repository *Yi-Chun Chang, Ching-Pao Chang, Chiung-Hui Chiu, Yi-Chi Chen,* *Chih-Ping Chu*
9:30		#76 Effortless Construction and Management of Program Animations on the Web *Urquiza-Fuente Jaime, Velázquez-Iturbide J. Ángel*
9:45		#23 A Novel Multi-Agent Community Building Scheme Based on Collaboration Filtering *Yu Sun, Peng Han, Qian Zhang, Xia Zhang*
10:00		#68 Experiences in using an automated system for improving students' learning of computer programming *M. Choy, U. Nazir, C. K. Poon, Y. T. Yu*

Venue: SCOPE Executive Training Room 2 (SET2)

Wednesday, August 3	10:30-11:30	**Short Paper Session (S3A) :** **e-Learning Community & Systems (2)** **Chair : Ngo Chong Wah**
10:30		#87 Automatic Leveling System for E-learning Examination Pool Using Entropy-based Decision Tree *Shu-Chen Cheng, Yueh-Min Huang, Juei-Nan Chen, Yen-Ting Lin*
10:45		#64 ANTS: Agent-based Navigational Training System *Yu-Lin Jeng, Yueh-Min Huang, Yen-Hung Kuo, Juei-Nan Chen, William C. Chu*
11:00		#59 An Educational Virtual Environment for Studying Physics Concept in High Schools *Ruwei Yun, Zhigeng Pan, Yi Li*
11:15		#78 Context-Sensitive Content Representation for Mobile Learning *William C. Chu, Hong-Xin Lin, Juei-Nan Chen, Xing-Yi Lin*

Venue: SCOPE Executive Training Room 1 (SET1)

Wednesday, August 3	9:00-10:30	**S3B : e-Learning Systems Architecture** **Chair : James Liu**
9:00		#34 An Online Template-Based Authoring System for E-learning *Simon Hui, James Liu*
9:20		#30 A Novel Mobile Learning Assistant System *Ren Tong, Zuwei Hu, Peng Han, Fan Yang*
9:40		#73 A Prototype of the Web-based Marine Training Environment *Cui Xie, Xiuwen Liu, Yicheng Jin*
10:00 – 10:30		** Special Session Prolearn : Live and Online in a Professional Learning Network of Excellence *Peter Scott, Open University, UK*