



# ICWL 2007

## The 6<sup>th</sup> International Conference on Web-based Learning

Edinburgh, United Kingdom  
August 15-17, 2007

## Final Program



Hong Kong Web  
Society



City University  
of Hong Kong



Durham  
University

University of  
Durham



University of  
Edinburgh

**The 6th International Conference on Web-based Learning (ICWL 2007)**  
**Workshop on Blended Learning (WBL 2007)**  
**Program**

August 15 (Day 1)		August 16 (Day 2)		August 17 (Day 3)			
8:00	Registration						
8:30	Opening Address	8:30	ICWL Keynote Speech by Prof. Myunghee Ju Kang Ewha Womans University, S. Korea	8:40 (100 min)	Session 13: ICWL8	Session 14: ICWL9	
8:45	ICWL Keynote Speech by Prof. Nadia Magnenat-Thalmann MIRALab, University of Geneva	9:30			Coffee-break	Security, Privacy and Networking Aspects for E-learning	Learning Resource Deployment, Organization and Management (I)
9:45	WBL Keynote Speech by Prof. Won Kim Sungkyunkwan University, S. Korea	9:50 (120 min)	Session 7: ICWL4		Session 8: WBL4	Chair: <i>Hua Wang</i>	Chair: <i>Gary Tam</i>
10:45	Coffee-break		Design, Model and Framework of E-learning Systems	Computer Supported Collaborative Learning	10:20	Break	
11:05 (80 min)	Session 1: ICWL1	11:50			Chair: <i>Judy Hardy</i>	Chair: <i>Joseph Fong</i>	10:40 (80 min)
	Collaborative and Mobile Learning		Lunch			Science Education	Learning Resource Deployment, Organization and Management (II)
	Assessment Strategy for Blended Learning					Chair: <i>Ralf Klamma</i>	Chair: <i>Jenny Fang</i>
	Chair: <i>Zhiting Zhu</i>				12:00	Lunch	
12:25	Lunch	13:20 (120 min)	Session 9: ICWL5	Session 10: ICWL6	Optional half-day tour: 13:30 ~ 19:00/21:00		
13:55 (100 min)	Session 3: ICWL2		Test Authoring, Question Generation and Assessment	Practice and Experience Sharing			
	Personalized e-Learning		Chair: <i>Giuliana Dettori</i>	Chair: <i>Marc Spaniol</i>			
	Learning Theories for Blended Learning	15:20	Coffee-break				
	Chair: <i>Howard Leung</i>		15:40	Session 11: ICWL7	Session 12: WBL5		
15:35	Coffee-break		~ 17:40 (120 min)	Visualization Technologies	Experiences in Blended Learning		
15:55 ~ 17:55 (120 min)	Session 5: ICWL3			Chair: <i>Taku Komura</i>	Chair: <i>Kenneth Lee</i>		
	E-learning Standards and Web-based Learning for Oriental Languages						
	Blended Learning Systems						
	Chair: <i>Frederick Li</i>						
	Chair: <i>Philips Wang</i>						
18:00 ~ 20:00	Reception	18:30 ~ 21:30	Conference Banquet				

**Sessions' Location:**

Registration: Concourse, Appleton Tower, University of Edinburgh.

Reception: Concourse, Appleton Tower, University of Edinburgh.

Conference Banquet: Scotsman Hotel, 20 North Bridge, Edinburgh.

Note: Posters are put up in the Concourse and poster presenters can show their work to the participants during the Reception on Day 1.

ICWL and WBL Keynote Speeches: Lecture Theatre 1, Appleton Tower.

Sessions 1, 3, 5, 7, 9, 11, 13, 15: Lecture Theatre 1, Appleton Tower.

Sessions 2, 4, 6, 8, 10, 12, 14, 16: Seminar Room 6, Appleton Tower.

# ICWL Keynote Speech

## Learning How to Dance Using a 3D Webplatform

Prof. Nadia Magnenat-Thalmann, MIRALab - University of Geneva, Switzerland

E-Mail: thalmann@miralab.unige.ch

15 August 2007, 8:45-9:45

Lecture Theatre 1, Appleton Tower

### Abstract

Until recently dance was part of the physical education programme in many countries. It is now recognised as an art form comparable to music, drama, and visual arts and equally worthy of study.

The reasons include the lack of appropriate teaching resources that enable teachers/trainers to provide an integrated view of the movement and social aspects of dance as the limited use of new media that improve the attractiveness of dance resources to students.

We will present in this talk the WebDance European project and more particularly our contribution in 3D and Web technologies to create motion captured dances and a web 3D platform.

In the project WebDance, we can show, on the web, 3D simulation of various dances that allows teachers and trainers to use our platform to document traditional dance, understand in 3D how dancers are performing their art and later on, create dance lessons. The long term objective is also to create an online dance learning community.

Our web based application displays dance animations embedded in a web site. Currently, web based 3D applications are not heavily developed due to web limitations. But the combination between actual 3D engines and web technologies in terms of interface could provide acceptable 3D visualization. The most actual popular web browsers are Internet Explorer ([www.microsoft.com](http://www.microsoft.com)) and FireFox ([www.mozilla.com](http://www.mozilla.com)). These webbrowsers do not integrate any 3D engines yet. That is why we use it like an application container and we create dedicated plug-in. The graphics part is managed in a specific coding language (C++ is the most popular for computer graphics) and it is wrapped by the component interface. Mainly, the current component interfaces are coded in C++ and are called ActiveX in the Internet Explorer case and XPCOM in the FireFox case. Each one is designed to manage and interpret C++ coding. Consequently this application is coding into three parts, one is the core of the application and the two others are dedicated to interface web browser and the application core. Examples of how to learn through this platform will be shown.

### Bio



Prof. Nadia Magnenat-Thalmann has pioneered research into virtual humans over the last 25 years. She obtained her PhD in Quantum Physics from the University of Geneva.

From 1977 to 1989, she was a Professor at the University of Montreal where she founded the research lab MIRALab. She was elected Woman of the Year in the Grand Montreal for her pionnering work on virtual humans and presented Virtual Marilyn at the Modern Art Museum of New York in 1988.

Since 1989, she is Professor at the University of Geneva where she recreated the interdisciplinary MIRALab laboratory. With her 30 PhD students, she has authored and coauthored more than 300 research papers and books in the field of modeling virtual humans, interacting with them and living in augmented worlds. She is presently taking part in more than a dozen of European and National Swiss research projects and she is the Coordinator of several European Research Projects as the Network of Excellence (NoE) INTERMEDIA, the Project HAPTEX and the European Research training Network Marie Curie 3D ANATOMICAL HUMANS. She is coordinating the Virtual Campus Swiss project "Understanding 3D" and is working also for the European Project Webdance.

She is editor-in-chief of the *Visual Computer Journal* published by Springer Verlag and co-editor-in-chief of the journal *Computer Animation and Virtual Worlds* published by Wiley. She also participated to political events as to the WORLD ECONOMIC FORUM in DAVOS where she was invited to give several talks and seminars on the importance of multimedia for society.

# WBL Keynote Speech

## Towards a Definition and Methodology for Blended Learning

Prof. Won Kim  
School of Information and Communication Engineering,  
Sungkyunkwan University, Suwon, S. Korea  
E-Mail: wonkim@skku.edu

15 August 2007, 9:45-10:45

Lecture Theatre 1, Appleton Tower

### Abstract

Blended learning is known roughly as combining the traditional instructor-led classroom learning and technology-based e-learning. Although there have been attempts to define the term blended learning, and to understand how to make blended learning work best, considerable further research and experimentation are needed. This paper offers a precise definition of blended learning and blended learning program, and proposes a methodology for making blended learning work best.

### Bio



Dr. Kim is a Senior Advisor with Samsung Electronics, Suwon, Korea, since November 2004. He is also a Distinguished Visiting Professor in the Department of Computer Engineering at Sung- Kyun-Kwan University, Suwon, Korea since September 2005. He received a Ph.D. degree in Computer Science from the University of Illinois in Urbana-Champaign. He received both a BS and an MS degree from MIT. He has published 5 books and 153 research and technical papers in international journals and conferences on the area of database, data mining and Internet technologies.

Dr. Kim was the Founder and CEO of Cyber Database Solutions, Inc. in Austin, Texas from 1996 to 2004. He was, at the same time, a Dean and Distinguished Professor of Computer Science at Ewha Women's University in Seoul, S. Korea from 1999 to 2004. From 1990 to 1996, he was the Founder and CEO of UniSQL, Inc. that created the world's first commercial object-relational database system. From 1984 to 1990, he was the Director at Microelectronics and Computer Corporation that created one of the world's first object-oriented database systems. He was a Research Staff Member at IBM Almaden Research Center from 1980 to 1984.

Dr. Kim is the Founder and Editor-in-Chief for *ACM Transactions on Internet Technology* since 2000. He has been elected an ACM Fellow in 1995. He was the Founder and Chair of the ACM Special Interest Group on Knowledge Discovery and Data Mining from 1998 to 2005. He was the Chair of the ACM Special Interest Group on Management of Data from 1989 to 1997. He served as the Editor-in-Chief for *ACM Transactions on Database Systems* from 1992 to 2001.

Dr. Kim received the ACM 2001 Distinguished Services Award for his contributions in computing research. In 2002, he received the ACM SIGMOD "Test of Time" Award for the most influential research paper in 1992. In 1998, he received the ACM SIGMOD Contributions Award for his outstanding contributions to ACM SIGMOD and the database management research community. In 1995, he received the VLDB "10-Year Paper Award" in 1995 for the most influential research paper in 1985.

# ICWL Keynote Speech

## eQA Model: A Wholistic Approach to e-Learning Quality Assurance

Prof. Myunghee Ju Kang  
Ewha Womans University, S. Korea  
E-Mail: mhkang@ewha.ac.kr

16 August 2007, 8:30-9:30

Lecture Theatre 1, Appleton Tower

### Abstract

"Is e-Learning effective?" "Does it produce actual learning and right performance?" "Is there a positive return on investment?" These are some common questions for those of us who are currently involved in the field of e-Learning.

eQA (e-Learning Quality Assurance) model focuses on the process as well as outcomes of e-Learning. It ensures the quality of 'e (electronics)' learning environment by monitoring the whole process and product quality from planning, designing, developing, implementing and to evaluating the contents, solution, and service. It also integrates the learning process as well as outcome quality measurement scales into 'e' environment by monitoring before, during and after the e-Learning. eQA model was also designed to be self-growing and adjusting to various needs of different institutions, key stakeholders and technology advancement.

In the presentation, the wholistic framework of theory based eQA model, all elements in it with their relationships and measurement scales and rubrics to assure e-Learning quality with multi dimensional plains, process and products of learning environment and learning itself will be explained. Furthermore, QA system developed by Korean government based on the model will also be demonstrated.

### Bio



Prof. Myunghee Ju Kang obtained her PhD in Instructional Systems Technology from Indiana University, Bloomington, Indiana in 1984. Since 1992, she is a Professor at the Educational Technology Department of Ewha Womans University, Seoul, Korea. She currently is also the president of Korean Society for Educational Technology since 2007 and until 2008. Before taking this role, she was the director of Ewha Multimedia Education Institute from 2005.

Time	Paper ID	Paper Title	Authors
<b>Aug 15 Session 1 Collaborative and Mobile Learning Session Chair: Zhu Zhiting</b>			<b>Lecture Theatre 1</b>
ICWL1 11:05 ~ 12:25 (80 min)	69	Open Smart Classroom: Extensible and Scalable Smart Space using Web Service Technology	<i>Yue Suo, Naoki Miyata, Toru Ishida, Yuanchun Shi</i>
	139	NoteSharer: A Web-based Collaborative Note-Taking System for Collaborative Learning	<i>Wen-Tai Hsieh, I-Kun Huang, Wei-Shen Lai, Seng-Cho T. Chou</i>
	104	Mobile Learning Support with Statistical Inference-based Cache Management	<i>Qing Li, Jianmin Zhao, Xinzhong Zhu</i>
	131	Dynamic Modeling of Interactivity for e-Learning	<i>Chima Adiele</i>
<b>Aug 15 Session 3 Personalized e-Learning Session Chair: Howard Leung</b>			<b>Lecture Theatre 1</b>
ICWL2 13:55 ~ 15:35 (100 min)	Invited1	Starting Directions for Personalized E-Learning	<i>Won Kim</i>
	Invited2	PLANT: A Distributed Architecture for Personalized E-Learning	<i>Minglu Li, Hongzi Zhu, Yanmin Zhu</i>
	172	PeRES: A Personalized Recommendation Education System Based on Multi-Agents & SCORM	<i>Fan Zhu, Horace H S Ip, Apple W P Fok, Jiaheng Cao</i>
	91	Personalising Learning through Prerequisite Structures Derived from Concept Maps	<i>Christina M. Steiner, Dietrich Albert</i>
205	A Pedagogy-driven Personalization Framework to Support Automatic Construction of Adaptive Learning Experiences	<i>Polyxeni Arapi, Nektarios Mousmoutzis, Manolis Mylonakis, George Theodorakis, Stavros Christodoulakis</i>	
<b>Aug 15 Session 5 E-learning Standards and Web-based Learning for Oriental Languages Session Chair: Frederick Li</b>			<b>Lecture Theatre 1</b>
ICWL3 15:55 ~ 17:55 (120 min)	216	Extending CORDRA for Systematic Reuse	<i>Timothy K. Shih, Yue-Lin Du, Louis R. Chao, Freya H. Lin, Won Kim</i>
	103	Addressing Context-Awareness and Standards Interoperability in E-Learning: A Service-oriented Framework based on IRS III	<i>Stefan Dietze, Alessio Gugliotta, John Domingue</i>
	148	Adaptivity in a SCORM compliant Adaptive Educational Hypermedia System	<i>Ioannis Kazanidis, Maya Satratzemi</i>
	218	An Assessment Tool for Judging the Overall Appearance of Chinese Handwriting based on Opinions from Occupational Therapists	<i>Ka Ki Li, Howard Leung, Sutie Lam, Cecilia Li-Tsang</i>
	100	A Virtual Chinese Hairy Brush Model for E-learning	<i>Bendu Bai, Kam-Wah Wong, Yanning Zhang</i>
	63	WILLIE - a Web Interface for a Language Learning and Instruction Environment	<i>Werner Winiwarter</i>

Time	Paper ID	Paper Title	Authors
<b>Aug 16 Session 7 Design, Model and Framework of E-learning Systems Session Chair: Judy Hardy</b>			<b>Lecture Theatre 1</b>
ICWL4 9:50 ~ 11:50 (120 min)	190	Learning as a Service: A Web-Based Learning Framework for Communities of Professionals on the Web 2.0	<i>Marc Spaniol, Ralf Klamma, Yiwei Cao</i>
	136	Web-based Outcome-based Teaching and Learning - An Experience Report	<i>Yu Mong, Mangtang Chan, Francis Kar Ho Chan</i>
	14	A New Layering Architecture of E-learning System	<i>Xingwei Hao, Xiangxu Meng, Xu Cui</i>
	219	Transformational Techniques for Model-driven Authoring of Learning Designs	<i>Juan Manuel Dodero, Colin Tattersall, Daniel Burgos, Rob Koper</i>
	170	Using Constraint-based Modelling to Describe the Solution Space of Ill-defined Problems in Logic Programming	<i>Nguyen-Thanh Le, Wolfgang Menzel</i>
	145	Towards Fuzzy Domain Ontology Based Concept Map Generation for e-Learning	<i>Raymond Lau, Albert Chung, Dawei Song, Qiang Huang</i>
<b>Aug 16 Session 9 Test Authoring, Question Generation and Assessment Session Chair: Giuliana Dettori</b>			<b>Lecture Theatre 1</b>
ICWL5 13:20 ~ 15:00 (100 min)	81	Designing a Satisfaction-oriented Option Analysis Framework for E-learning Project Performance Evaluation	<i>Hsiao-Ya Chiu, Chieh-Chung Sheng, An-Pin Chen</i>
	140	A Cloze Test Authoring System and its Automation	<i>Ayako Hoshino, Hiroshi Nakagawa</i>
	198	A Novel Architecture for e-Learning Knowledge Assessment Systems	<i>Krzysztof Gierlowski, Krzysztof Nowicki</i>
	201	A Web-Based E-Testing System Supporting Test Quality Improvement	<i>Gennaro Costagliola, Filomena Ferrucci, Vittorio Fuccella</i>
	221	Automatic Question Generation for Learning Evaluation in Medicine	<i>Weiming Wang, Tianyong Hao, Wenyin Liu</i>
<b>Aug 16 Session 10 Practice and Experience Sharing Session Chair: Marc Spaniol</b>			<b>Seminar Room 6</b>
ICWL6 13:20 ~ 15:20 (120 min)	196	From LOs to Educational Itineraries: Helping Teachers to Exploit Repositories	<i>Emanuela Busetti, Paola Forcheri, Maria Grazia Ierardi, Giuliana Dettori</i>
	195	System Control through the Internet and Remote Access Laboratory Implementation	<i>Barış Doğan, Hasan Erdal</i>
	192	On Line Course Organization	<i>Ming Zhang, Weichun Wang, Yi Zhou, Yu Yang, Yuhong Xiong</i>
	147	E-learning and Deaf Children: A Logic-based Web Tool	<i>Rosella Gennari, Ornella Mich</i>
	126	Language-Driven Development of Web-Based Learning Applications	<i>José-Luis Sierra, Baltasar Fernández-Manjón, Alfredo Fernández-Valmayor</i>
	130	Adult Distance Learning using a Web-based Learning Management System: Methodology and Results	<i>Konstantinos Antonis, Petros Lampsas, Jim Prentzas</i>

Time	Paper ID	Paper Title	Authors
<b>Aug 16 Session 11 Visualization Technologies Session Chair: Taku Komura</b>			<b>Lecture Theatre 1</b>
ICWL7 15:40 ~ 17:20 (100 min)	224	A 3D Geometry Search Engine in Support of Learning	<i>Gary K. L. Tam, Rynson W. H. Lau, Jianmin Zhao</i>
	68	A Piece-wise Learning Approach to 3D Facial Animation	<i>Yushun Wang, Yueting Zhuang, Jun Xiao, Fei Wu</i>
	186	An Instructor's Guide to Design Web-Based Algorithm Animations	<i>J. Á. Velázquez-Iturbide, D. Redondo-Martín, C. Pareja-Flores, J. Urquiza-Fuentes</i>
	209	Logging and Visualization of Learner Behaviour in Web-Based E-Testing	<i>Gennaro Costagliola, Vittorio Fuccella, Massimiliano Giordano, Giuseppe Polese</i>
	82	Tracking and Visualisation of Student Use of Online Learning Materials in a Large Undergraduate Course	<i>Judy Hardy, Simon Bates, Jon Hill, Mario Antonioletti</i>
<b>Aug 17 Session 13 Security, Privacy and Networking Aspects for E-learning Session Chair: Hua Wang</b>			<b>Lecture Theatre 1</b>
ICWL8 8:40 ~ 10:20 (100 min)	158	Secure and Efficient Information Sharing in Multi-university E-learning Environments	<i>Hua Wang, Qing Li</i>
	134	Protecting Disseminative Information in E-learning	<i>Lili Sun, Hua Wang, Yan Li</i>
	203	Application of an Online Judge & Contester System in Academic Tuition	<i>Adrian Kosowski, Michał Małafiejski, Tomasz Noiński</i>
	66	Study of Heterogeneous Distributed Resource Warehouse Semantic Retrieving Based on Multi-Agent	<i>Youtian Qu, Xianliang Sheng</i>
	141	HSBGP: A Hybrid System Based on Grid and P2P for Digital Resource Sharing	<i>Guilin Chen, Yi Li, Mingyong Pang, Shenhui Zhao</i>
<b>Aug 17 Session 14 Learning Resource Deployment, Organization and Management (I) Session Chair: Gary Tam</b>			<b>Seminar Room 6</b>
ICWL9 8:40 ~ 10:20 (100 min)	93	Authoring Learning Objects for Web-based Intelligent Tutoring Systems	<i>Ramón Zatarain-Cabada, M.L. Barrón-Estrada, L. Zepeda-Sánchez, F. Vega-Juárez</i>
	142	The ELEKTRA Ontology Model: A Learner-Centered Approach to Resource Description	<i>Michael D. Kickmeier-Rust, Dietrich Albert</i>
	171	A Context-based Framework and Method for Learning Object Description and Search	<i>Xiaofeng Du, William Song, Ming Zhang</i>
	6	Knowledge Point Based Curriculum Developing and Learning Object Reusing	<i>Xingwei Hao, Xiangxu Meng, Xu Cui</i>
	160	Knowledge Element Extraction for Knowledge-based Learning Resources Organization	<i>Xiao Chang, Qinghua Zheng</i>

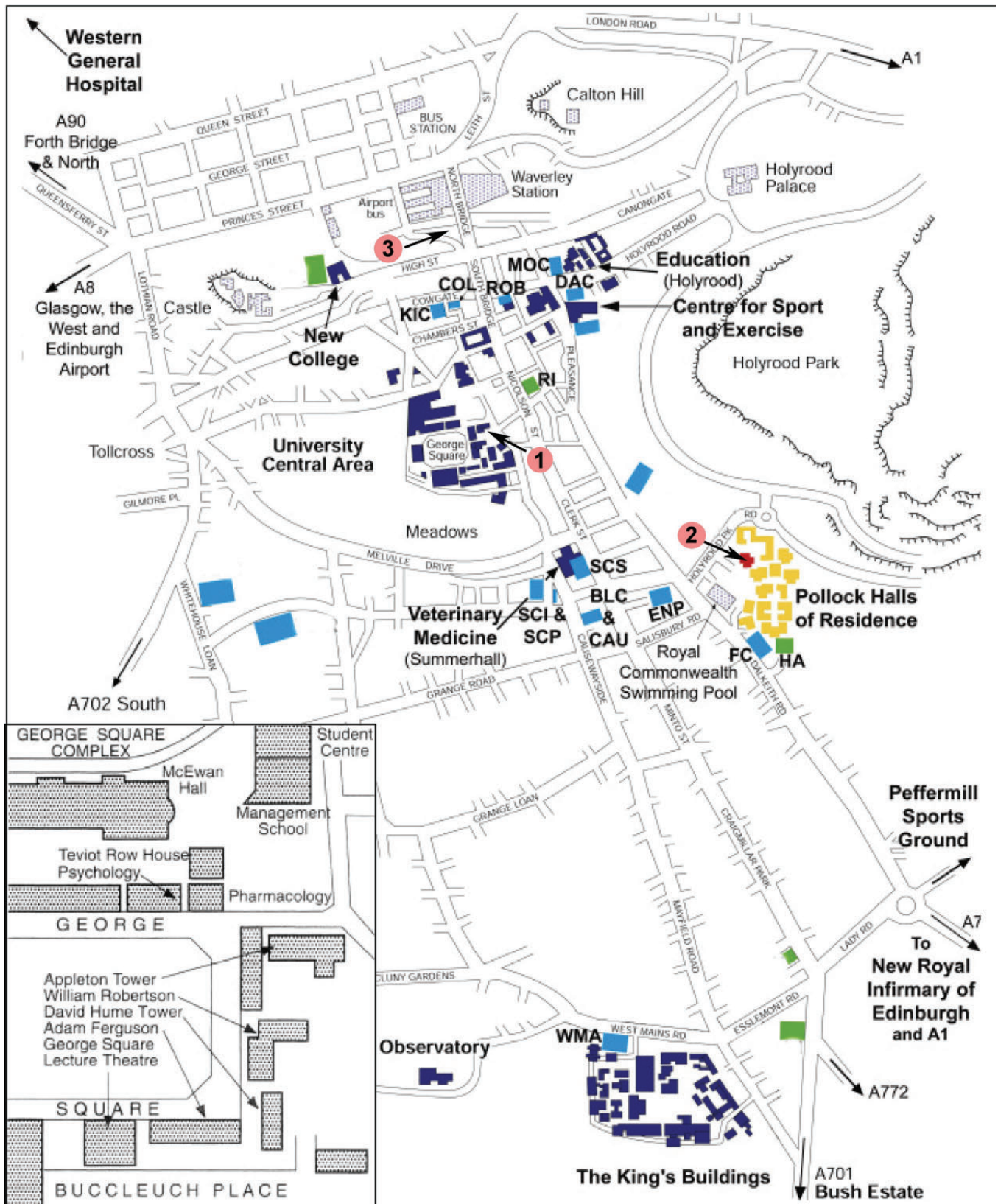


Time	Paper ID	Paper Title	Authors
<b>Aug 17 Session 15 Science Education Session Chair: Ralf Klamma</b>			<b>Lecture Theatre 1</b>
ICWL10 10:40 ~ 12:00 (80 min)	217	Exploratory Learning for Computer Networking	<i>Colin Allison, Alan Miller, Kristoffer Getchell, Thomas Sturgeon</i>
	194	Assessing the Learners' Motivation in the E-Learning Environments for Programming Education	<i>Yasuhiro Takemura, Hideo Nagumo, Kuo-Li Huang, Hidekuni Tsukamoto</i>
	80	An Improved Platform for Medical e-Learning	<i>Liana Stanescu, Marian Cristian Mihaescu, Dumitru Dan Burdescu, Eugen Georgescu, Ligia Florea</i>
	206	A Web Application for Mathematics Education	<i>Ana Paula Tomás, José Paulo Leal, Marcos A. Domingues</i>
<b>Aug 17 Session 16 Learning Resource Deployment, Organization and Management (II) Session Chair: Jenny Fang</b>			<b>Seminar Room 6</b>
ICWL11 10:40 ~ 11:40 (60 min)	150	An Informatic Model for Open Contents Management	<i>Leonel Iriarte Navarro, Manuel Marco Such, Pedro Pernías Peco</i>
	180	Evaluating Asynchronous Message Boards to Support Cross-Cultural Communities of High-School Students	<i>Caterina Poggi, Nicoletta Di Blas</i>
	1182	A Wiki-Based Collaborative Learning Design and Its Effects in Secondary Math Studies	<i>Liming Zhang, Chan Lam Wong</i>
<b>Aug 15, Aug 16 Poster Sessions</b>			<b>Concourse</b>
Coffee breaks	10	M-Learning: A Pedagogical and Technological Model for Language Learning on Mobile Phones	<i>Yannick Jolliet</i>
	13	An Empirical Assessment of the Use of Patterns in Teaching the Swing Framework	<i>Sin-Ban Ho, Ian Chai, Chuie-Hong Tan</i>
	102	A Study of Concurrent Knowledge Management in R&D	<i>August Liao, Li-Dien Fu, An-Pin Chen</i>
	159	Adaptive English Reading Articles Recommendation System Using IRT	<i>Qinghua Zheng, Lili Li, Feng Tian, Jiao Ding</i>
	169	Question Answering with Relevant Course Contents to Assistant e-Learning	<i>Ying-Hong Wang, Wen-Nan Wang</i>
	173	Web Course Recommendation Using Group Decision Making Algorithm	<i>Yu-Lin Jeng, Yueh-Min Huang, Tien-Chi Huang, Kun-Te Wang, Yi-Ming Huang</i>
	178	A Zone-based Mobile Learning Architecture in Pervasive Computing Environments	<i>Tien-Chi Huang, Yueh-Min Huang, Yu-Lin Jeng, Yi-Ming Huang</i>
	207	CaseLearn: A Web-based Tool to Support Case-based Corporate Training using Learning Objects	<i>Marcelo B. Ribeiro, Rafael Prikladnicki, Letícia Leite, Andrea F. Ramos</i>
	215	Personal Preference Based Multiple Aspects by Type Matching Knowledge Network Reconstruction	<i>JeongYon Shim</i>
229	An International Partnership's Holistic Vision for Sustainable E-learning Capacity Building in Tunisia	<i>Takoi K. Hamrita</i>	

Time	Paper ID	Paper Title	Authors
<b>Aug 15 Session 2 Assessment Strategy for Blended Learning Session Chair: Joseph Fong</b>			<b>Seminar Room 6</b>
WBL1 11:05 ~ 12:25 (80 min)	W11	Discovery of Educational Objective on e-Learning Resource: A Competency Approach	<i>Shi-Ming Huang, Hsiang-Yuan Hsueh, Jing-Shiuan Hua</i>
	I146	A Study on the Impact of the Use of an Automatic and Adaptive Free-text Assessment System during a University Course	<i>Diana Perez-Marin, Ismael Pascual-Nieto, Enrique Alfonseca, Eloy Anguiano, Pilar Rodriguez</i>
	I183	MAAS – Mobile Administrative and Assessment System	<i>Apple W P Fok, Horace H S Ip, Chilli C K Chan</i>
	I193	Large-scale Computer-Assisted Assessment in Computer Science Education: New Possibilities, New Questions	<i>Mario Amelung, Michael Piotrowski, Dietmar Rösner</i>
<b>Aug 15 Session 4 Learning Theories for Blended Learning Session Chair: Ken Law</b>			<b>Seminar Room 6</b>
WBL2 13:55 ~ 15:35 (120 min)	W3	Blended Learning: Beyond Web Page Design for the Delivery of Content	<i>Philip P Alberts, Linda A Murray, Darren K Griffin, Julia E Stephenson</i>
	W17	The Disruptive Effect of Technology: a University Case Study	<i>Norah Jones</i>
	W5	The Marriage of Rousseau and Blended Learning: An Investigation of 3 Higher Educational Institutions' Praxis	<i>Esyin Chew, Norah Jones, David Turner</i>
	W8	Blended Learning: Towards a Mix for SMEs – Stakeholders and their Priorities	<i>Sabine Moebs, Stephan Weibelzahl</i>
	I65	Exploratory Research on an Affective e-Learning Model	<i>Liping Shen, Enrique Leon, Victor Callaghan, Ruimin Shen</i>
<b>Aug 15 Session 6 Blended Learning Systems Session Chair: Philips Wang</b>			<b>Seminar Room 6</b>
WBL3 15:55 ~ 17:55 (120 min)	W20	Structured Blended Learning Implementation for an Open Learning Environment	<i>Jason K. Y. Chan, Ken C. K. Law</i>
	W15	Developing an On-line Medical Curriculum Management Platform	<i>Jenny Fang, Francis Wong, Raymond Chu</i>
	I152	Implementation of an E-Learning System – Learning Design and Learning Objects Management and Evaluation through Standardization of Resources	<i>Hugo Rego, Tiago Moreira, Francisco José Garcia</i>
	I181	HECACEJ: B-Learning Tool for Static Content Creation in Joomla!	<i>Angel Mora-Bonilla, Domingo López-Rodríguez, Enrique Mérida-Casermeyro, Salvador Merino-Córdoba</i>
	I200	An Access Monitoring Tool Based on Cookies for Course Management Systems	<i>Raquel Hijón-Neira, Ignacio López-López, Ángel Velázquez-Iturbide, Francisco Domínguez-Mateos</i>
	I156	Description Patterns in Learning Design Authoring Systems	<i>Lei Xu, Li Zheng, Jing Liu, Yintao Liu, Fang Yang</i>

Time	Paper ID	Paper Title	Authors
<b>Aug 16 Session 8 Computer Supported Collaborative Learning Session Chair: Joseph Fong</b>			<b>Seminar Room 6</b>
WBL4 9:50 ~ 11:50 (120 min)	W6	Web-based Logging of Classroom Teaching Activities for Blended Learning	<i>Joseph Fong</i>
	W10	Blended Learning with Webs, Wikis and Weblogs	<i>Philip Barker</i>
	W9	Supporting Self-Regulated Learning in a Blended Course	<i>Giuliana Dettori, Donatella Persico</i>
	I85	Visualisation of Learners' Contributions in Chat Conversations	<i>Stefan Trausan-Matu, Traian Rebedea, Alexandru Dragan, Catalin Alexandru</i>
	I119	Learning News Writing Using Emergent Collaborative Writing Technology Wiki	<i>Will Wai-kit Ma, Allan Hoi-kau Yuen</i>
	117	Synergistic Learning for Knowledge Age: Theoretical Model, Enabling Technology and Analytical Framework	<i>Zhiting Zhu, Youmei Wang, Hongwei Luo</i>
<b>Aug 16 Session 12 Experiences in Blended Learning Session Chair: Kenneth Lee</b>			<b>Seminar Room 6</b>
WBL5 15:40 ~ 17:40 (120 min)	W19	Towards Blended Learning of Computer Programming Supported by an Automated System	<i>M. Choy, S. Lam, C.K. Poon, F.L. Wang, Y.T. Yu, L. Yuen</i>
	W12	Blended Learning for Programming Courses: A Case Study of Outcome Based Teaching & Learning	<i>Fu Lee Wang, Joseph Fong, Marian Choy</i>
	W14	Blended Learning: Experiences of Adult Learners in Hong Kong	<i>P. W. R. Lee, F. T. Chan</i>
	W18	An Observational Study on Blended Learning for Japanese Language Studies in a Local University in Hong Kong	<i>Kenneth K.C. Lee, Melody P.M. Chong</i>
	W7	Concepts of Blended Learning for Different Content Types	<i>Andreas Henrich, Stefanie Sieber</i>
	I185	Design and Development of Blended Learning through LMS	<i>K. P. Hewagamage, S.C. Premaratne, K.H.R.A Peiris</i>

## ICWL 2007 – Map of the Conference Venues



### Locations:

1. Appleton Tower, University of Edinburgh (Main Conference Venue)
2. Holland House / Chancellors Court (Accommodation)
3. Scotsman Hotel, 20 North Bridge (Conference Banquet)

*Note: It would take about 15 – 20 minutes walk from the Appleton Tower to the Holland House / Chancellors Court or the Scotsman Hotel.*