

ICWL2003 Conference Program

Day 1: Monday 18 August 2003

8.00 - 9.00

Registration

9.00 – 9.20

Welcome Address

9.20 – 10.20

Keynote Presentation I: Mr. Richard Hogg, National President of ACS

10.20 – 10.40

Coffee Break

10.40 – 12.40

Two Parallel Sessions (A1 and B1, 4 papers each)

A1: WEB-BASED LEARNING ENVIRONMENT I

(Chair: Dr. Jo Coldwell, Deakin University, Australia)

Challenges of Web-Based Learning Environments: Are We Student-Centred Enough?

Judith Sheard & Julianne Lynch (Monash University, Melbourne, Australia & Deakin University, Melbourne, Australia)

Cognitive Scaffolding for a Web-Based Adaptive Learning Environment
George Fernandez (RMIT University, Victoria 3000, Australia)

Information Security - An e-Learning Problem
M. Warren and W. Hutchinson (Deakin University, Victoria, Australia)

Building an Effective Learning Management System
Joan Richardson (RMIT University, Victoria 3000, Australia)

B1: VIRTUAL UNIVERSITY

(Chair: Dr. Sarah Guss, RMIT University, Australia)

A Virtual Laboratory for an Online Web-based Course - 'Rapid e-Business Systems Development'
Leung F., Chau T., Tang T., Liao S. (City University of Hong Kong, Hong Kong, China)

Assessment Management using Software
Jason Wells (Deakin University, Victoria, Australia)

The Creation and Maintenance of an Online Subject: Some Practical Factors
John Murnane (The University of Melbourne, Victoria 3010, Australia)

SameView: A Large-Scale Real-Time Interactive E-Learning System Based on TORM and AMTP
Yi Che, Runtong Shi, Yuanchun Shi, Guangyou Xu (Tsinghua University, Beijing 100084, China)

12.40 – 14.00

Lunch

14.00 – 17.30

Two Parallel Sessions (A2 and B2, 6 papers each)

A2: INTERACTIVITY

(Chair: Dr. Arthur Tatnall, Victoria University, Australia)

User Learning Experience in Web based Systems a Case Study
Kamaljeet Sandhu and Brian Corbitt (Deakin University, Victoria, Australia)

Use of Web-Based Live Demos in Computer Science Courses
Li Yang (Western Michigan University, Kalamazoo, MI 49008, USA)

Effective e-Learning by use of HCI and web-based workflow approach
Joseph Fong, Margaret Ng, Irene Kwan, Macro Tam (City University of Hong Kong, Hong Kong & Lingnan University of Hong Kong)

B2: PEDAGOGICAL ISSUES

(Chair: Dr. John Murnane, University of Melbourne, Australia)

Cultural Issues relating to teaching IT Professional Ethics Online: Lessons Learned
Elicia Lanham and Wanlei Zhou (Deakin University, Australia)

Perspectives on Creativity in Web Learning
Adriana Vivacqua, Francisco Mattos, Alberto Tornaghi, Jano M. de Souza, Henrique Cukierman (Federal University of Rio de Janeiro, Rio de Janeiro, RJ, Brazil)

Experience in Developing A General Education Website

Kong)

Internet-Based Interactive Package for
Diagnostic Assessment on Learning of
Fluid Mechanics

*Kwokwing Chau (Hong Kong Polytechnic
University, Hunghom, Kowloon, Hong
Kong)*

A Kind of Smart Space for Remote Real-
time Interactive Learning Based on
Pervasive Computing Mode

*Degan Zhang, Enyi Chen, Yuanchun Shi,
Guangyou Xu (Tsinghua University,
Beijing 100084, P.R.China)*

Managing the Interactivity of Instructional
Format and Cognitive Style Construct in
Web-mediated Learning Environments

*Elspeth McKay (RMIT University,
Australia)*

*Keith Chan (City University of Hong
Kong)*

Interface Metaphors and Web-based
Learning

*Sarah Guss (University of Melbourne and
RMIT University, Melbourne, Victoria,
Australia)*

Mapping Pedagogy to Technology – a
simple model

*Jo Coldwell (Deakin University, Geelong,
VIC, Australia 3217)*

A Framework to Support Schema
Matching in eLearning

*Marvin B.L. Tan, Angela E.S. Goh &
Robert K.L. Gay (Nanyang Technological
University, Singapore 637722)*

15.30 – 16.00

Coffee Break

18.00 – 21.00

Reception

Day 2: Tuesday 19 August 2003

9.00 – 10.00

Keynote Presentation II: Prof. Barry Harper, Dean, Faculty of Education, University of Wollongong, Australia

10.00 – 10.30

Coffee Break

10.30 – 12.30

Two Parallel Sessions (A3 and B3, 4 papers each)

A3: INTELLIGENCE IN ON-LINE EDUCATION

(Chair: Prof. Li Yang, Western Michigan University, USA)

Intelligent Online Academic Management System

I. Ivanto, J. Wang and F. Liu (La Trobe University, Bundoora, Vic 3083, Australia)

Collaborative Supervision of Machine Learning as a Tool for Web-Based Education: A Teaching and Learning Triangle

Steve Drew, Phil Sheridan, Sven Venema (Griffith University, Queensland)

Mediator Based Open Multi-Agent Architecture for Web Based Learning
Hongen Lu (Deakin University, Burwood, Vic Australia)

Intelligent Characters of Web-based Learning Platform
Zhan Xu, Qinglin Zhang, Ailisha Li, and Weiyuan Wang (Southwest China Normal University, 400715 Chongqing, P R C & Opentec Ltd Limited, Australia)

B3: INNOVATIVE CURRICULUM IN eLEARNING

(Chair: Dr. Joseph Fong, City University of Hong Kong, HK)

Knowledge Refinement Tools To Support Inductive Learning By Inquiry Examples

Feng-Hsu Wang (Ming-Chuan University, Taiwan)

Toward Supporting e-Learning and Providing e-Teaching Services for e-World

Andrzej M. Goscinski and Jackie J. Silcock (Deakin University, Geelong, Victoria, Australia)

A Web-based System to Teach Computer Operating System Theories and Usage to Elementary School Students

Sujin O, Woochun Jun, Le Gruenwald, and Sukki Hong (Seoul Kyungdong Elementary School, Seoul, Korea, Seoul National University of Education, Seoul, Korea & University of Oklahoma, Norman, OK, USA)

Incorporating Motivational Elements in a Web-Based Learning Environment for Distance Students: A Malaysian Experience

Zoraini Wati Abas (International Medical University, Sesama Centre, Plaza Komanwel, Bukit Jalil, 57000 Kuala Lumpur, Malaysia)

12.30 – 14.00

Lunch

14.00 – 17.30

Two Parallel Sessions (A4 and B4, 6 papers each)

A4: WEB-BASED LEARNING ENVIRONMENT II

(Chair: Dr. Jackie Silcock, Deakin University, Australia)

Wireless AnyServer-A Mobile Ad Hoc Web-based Learning System

L.Cheng, Pui On Au, and Weijia Jia (City University of Hong Kong, Kowloon, Hong Kong)

B4: e LEARNING SOLUTIONS I

(Chair: Prof. Andrzej Goscinski, Deakin University, Australia)

In-process Quantitative Evaluation for Network-based Learning

Qinglin Zhang, Ailisha Li, Jiayi Hu and Weiyuan Wang (Southwest China Normal University, 400715 Chongqing, PRC & Opentec Ltd)

A Web-based Platform for E-Learning based on Information Management System
Pui On Au, Leung Cheng, Weijia Jia and K. O. Chow (City University of Hong Kong,, Kowloon, Hong Kong)

Experiences in Developing and Running WebCMS
Siew Siew Ong and John Shepherd (University of New South Wales, Australia)

A Dynamic Conceptual Network Mechanism for Personalized Study Plan Generation
Elvis Wai Chung Leung and Qing LI (City University of Hong Kong)

GridFS: A Web-based Data Grid for the Distributed Sharing of Educational Resource Files
Li Qinghu , Wang Jianmin , Kwok Yan Lam , and Sun Jiaguang (Tsinghua University, Beijing, China)

Design and Implementation of VPL: A Virtual Programming Laboratory for Online Distance Learning
Alvin T.S. Chan, Jiannong Cao, Chi-Kin Liu, Weidong Cao (The Hong Kong Polytechnic University Hung Hom, Kowloon, SAR of Hong Kong & Jiangsu Institute of Education Nanjing, Jiangsu, China)

Limited, 6 Lyon Park Road, North Ryde, NSW 2113, Australia)

Using the Web as a Source of Graded Reading Material for Language Acquisition
Alexandra L. Uitdenbogerd (RMIT University, Melbourne, Australia)

Modelling the Adoption of Web-Based Mobile Learning - an Innovation Translation Approach
Arthur Tatnall and Bill Davey (Victoria University, Melbourne, Australia & RMIT University, Melbourne, Australia)

Adaptive Educational Hypermedia based on Multiple Student Characteristics
Herman D. Surjono, John R. Maltby (Southern Cross University, Lismore NSW 2480 Australia)

Distributed Web-Based Critiquing of Electronically Submitted Assessment
Penny Baillie-de Byl (University of Southern Queensland, Toowoomba, Queensland, 4350, Australia)

A New Architecture for Web-Based Virtual Laboratory with CORBA Technology
Jianxin Wang , Weini Lu , and Weijia Jia (Central South University, ChangSha, 410083, China & City University of Hong Kong, Kowloon, HongKong)

15.30 – 16.00
 18.00 – 21.00

Coffee Break
 Dinner

Day 3: Wednesday 20 August 2003

9.00 – 12.00

Two Parallel Sessions (A5 and B5, 5 papers each)

A5: MULTIMEDIA BASED E-LEARNING

(Chair: Prof Yueting Zhuang, Zhejiang University, China)

ATLAS: A web-based software architecture for multimedia e-learning environments in virtual communities

Marc Spaniol, Ralf Klamma and Matthias Jarke (RWTH Aachen Informatik V, Ahornstr. Germany, Fraunhofer FIT, Schloss Birlinghoven, , Germany)

Streaming Audio and Video in Web-based Learning: A Comparative Study of Three Systems

Nalin K. Sharda, Anil K. Hanumanula (Victoria University, Melbourne, Victoria, Australia)

Subdivision Feedback Based 3D Facial Modeling for E-Learning

Yueting Zhuang, Congyong Su, Li Huang, and Fei Wu (Zhejiang University, Hangzhou, 310027, P. R. China)

3D Model and Motion Retrieval: the Extended Dimensions for Web-Based Learning

Yueting Zhuang, Yi Mao, Fei Wu, Yunhe Pan (Zhejiang University, Hangzhou, 310027, P.R.China)

Design, Implementation, and Evaluation of A Digital Lectern System

Nikolai Joukov, Markus Fauster, and Tzicker Chiueh (State University of New York at Stony Brook, Stony Brook, NY 11794-4400 USA, University Klagenfurt, Universitätsstr. 65-67, 020 Klagenfurt, Austria & Rether Networks Inc. 99 Mark Tree rd. Suite 301, Centereach NY 11720 USA)

B5: e LEARNING SOLUTIONS II

(Chair: Dr. Qing Li, City University of Hong Kong, HK)

A Framework for Evaluation of Learning Effectiveness in Online Courses

Alan Y K Chan, K O Chow, and Weijia Jia (City University of Hong Kong, Hong Kong)

Developing Learning Objects through Concepts and Contexts

Sean W. M. Siqueira, M^a Helena L. B. Braz, Rubens N. Melo (Catholic University of Rio de Janeiro, Rio de Janeiro, Brazil & Technical University of Lisbon, DECivil, Lisbon, Portugal)

Building Reusable and Interactive e-Learning Content Using Web

Ch. Bouras, M. Nani, Th. Tsiatsos (Univ. of Patras, Greece Research Academic Computer Technology Institute, Greece)

Exploring the Foundations of Practicing Online Collaboration

Ruth S. Raitman, Wanlei Zhou, Paul Nicholson (Deakin University, Victoria, Australia)

Synchronous Graphic-Interaction In CSCL

Zhang Xinyu, Luo NianLong, Jiang Dongxing (Tsinghua Univ., Beijing, 100084)

10.30 – 11.00

Coffee Break

12.00 – 12.20

ICWL2004 and Closing Address

12.30 – 14.00

Lunch