

1st International Conference on e-Learning

(ICEL 2006)

**Montreal, Canada
22-23 June 2006**

Editor:

Dan Remenyi

ISBN: 978-1-63439-558-8

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© The Authors, (2006). All Rights Reserved.

No reproduction, copy or transmission may be made without written permission from the individual authors.

Papers have been double-blind peer reviewed before final submission to the conference. Initially, paper abstracts were read and selected by the conference panel for submission as possible papers for the conference.

Many thanks to the reviewers who helped ensure the quality of the full papers.

Printed by Curran Associates, Inc. (2014)

Published by Academic Conferences Ltd.
Curtis Farm Kidmore End
Reading RG4 9AY UK

Phone: 441 189 724 148

Fax: 441 189 724 691

info@academic-conferences.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2634
Email: curran@proceedings.com
Web: www.proceedings.com

ICEL 2006 Contents

<i>Paper</i>	<i>Author(s)</i>	<i>Page</i>
Preface		viii
Biographies of Conference Chairs		xi
Biographies of Contributing Authors		xii
Cognitive Tools for Clinical Teaching	<i>Zahra Al-Rawahi Sultan Qaboos University, Sultanate of Oman</i>	1
Developing an e-Learning Strategy and Programme in a Multicultural Teaching and Learning Environment	<i>William Ashraf University of Bradford, UK</i>	9
Integration of Active Learning in e-Lessons	<i>Azita Bahrami Armstrong Atlantic State University, Savannah, GA, USA</i>	13
Content Development in Adult Second Language e-Learning	<i>Mads Bo-Kristensen Videnscenter for Integration, Vejle, Denmark</i>	23
The German Network of Naval Architecture and Ocean Engineering University Programs (mar-ing.org)	<i>Robert Bronsart and Petra Müsebeck University of Rostock, Center for Marine Information Systems, Germany</i>	31
A Financial Investment Education Framework: Concept and Design	<i>An-Pen Chen¹ and Hsiao-Ya Chiu² ¹University of National Chiao Tung, Hsinchu, Taiwan; ²Yu Da College of Business, Chaochiao Township, Miaoli County, Taiwan</i>	43
Data and Process Integration of e-Learning Content Development and Product Engineering in SMEs	<i>Pavlina Chikova, Katrina Leyking and Gunnar Martin Institute for Information Systems Saarbruecken, Germany</i>	57
Perception of Agricultural Extension Agents of Iran Regarding the Appropriateness of e-Learning Based Information Technology to Improve the Crop Productivity	<i>Mohammad Chizari¹ and Ahmad Reza Omman² ¹Tarbiat Modares University, College of Agriculture, Tehran, Iran; ²Islamic Azad University-Shoushtar Branch, Shoushtar, Iran</i>	69
Benefits of e-Learning Benchmarks: Australian Case Studies	<i>Sarojini Choy Queensland University of Technology, Australia</i>	77
A Smooth Passage Towards an Online PhD	<i>Lorraine Cleeton and Gilbert Cleeton Walden University, Minneapolis, MN, USA</i>	87
Keeping it Simple: Using a Standard Asynchronous Writing Environment to Foster Social Presence in Creative Writing	<i>Heather Conboy, Kathleen Bell, Stephen Brown and Pat Jefferies De Montfort University, Leicester, UK</i>	93
Research Libraries: Key Players in e-Learning	<i>Lynn Copeland, Simon Fraser University, Burnaby, BC, Canada</i>	103

Paper	Author(s)	Page
Developing a Successful e-Learning Business Model: Alert-Driving.com	<i>Ron Craig School of Business & Economics, Wilfrid Laurier University, Waterloo, Canada</i>	111
Discussion Forums and Peer Collaboration: a Case Study of an On-Campus Teaching Strategy	<i>Gilles Doiron Center for Teaching and Learning, Zayed University, Abu Dhabi, UAE</i>	121
The Blended Experience: Managing Threats and Successes	<i>Stephen Farrier Northumbria University, UK</i>	131
Refreshed and Reflective: The Impact of an e-Learning Project on University Teachers	<i>Karen Fill Centre for Learning and Teaching, University of Southampton, UK</i>	139
An Effective e-Learning Design and Development Model	<i>Sebastien Gladu, eMisphere Solutions, Montreal, Canada</i>	147
e-Learning Readiness amongst Secondary School Teachers in Malaysia: A Literature Survey and Theoretical Framework	<i>Goh Pey Yun and Md. Wahid Murad Faculty of Business and Law, Multimedia University, Malacca, Malaysia</i>	153
Linking Theory With Practice through Hyper-Linked Courseware	<i>Vincent Gomes The University of Sydney, Australia</i>	163
User Interface Design for Effective, Engaging e-Learning	<i>David A. Guralnick Kaleidoscope Learning, New York, NY, USA</i>	171
The Best Available: University e-Learning and the New Economy of Knowledge	<i>Keith Hampson Ryerson University, Toronto, Canada</i>	181
Online Learning in Secondary School Education: An Exploration of Successful Best Practice Case Studies from Seven Countries: What Works and Why!	<i>Stephen Harris Northern Beaches Christian School, Sydney, Australia</i>	185
e-Learning and the Development of 'Voice' in Business Studies Education	<i>Mike Hart and David Rush Business Management Group, The University of Winchester, Winchester, UK</i>	199
Using Social Network Analysis for the Study of Asynchronous Interaction in e-Learning	<i>Antonio Iovanella, Stefano Armenia, Gianluca Murgia, and Giuseppe Italiano University of Rome, Italy</i>	207
Ubiquitous Technology- Does the e-Learning Environment Match Student Expectations?	<i>Amanda Jefferies, Diana Kornbrot and Nuz Quadri University of Hertfordshire, UK</i>	217
Toward Agent Based e-Learning Grid Middleware: A Layered Architecture	<i>¹Hajar Kashfi and ²Mohammad Reza Razzazi ¹Islamic Azad University-Qazvin Branch, Iran, ²Amirkabir University of Technology, Tehran, Iran</i>	225
Social Policy and Lifelong Learning in Archives: Digital Collections as Socially Intelligent Agents	<i>Triantafillia Kourtoumi General State Archives of Greece, Historical Archives of Macedonia, Thessaloniki, Greece</i>	233

Paper	Author(s)	Page
Evaluation Plan for an Online Intermediate College Algebra Course	<i>Yu-Ju Kuo Mathematics Department, Indiana University of Pennsylvania, PA, USA</i>	239
Learning and Performing in a Knowledge Based Society	<i>John Lacontora, David Mendonca, and Fadi Deek New Jersey Institute of Technology, NJ, USA</i>	247
Designing Websites for Learning and Enjoyment: A Study of Museum Experiences	<i>Aleck Chao-Hung Lin and Shirley Gregor The Australian National University, Canberra, Australia</i>	257
Networked Learning in the Caribbean: A Case Study from a Developing World	<i>Sabine Little University of Sheffield, UK</i>	267
Understanding and Assessing the Didactical Effectiveness of Learning Content Management Systems	<i>Santino Luciani Formez, Search and Study Centre, Rome, Italy</i>	277
A Study of Readiness Towards Introduction of e-Learning as an Environment for Teaching and Learning among Lecturers: A Case Study	<i>Kamal Basha Madarsha and Abdulhameed Agboola Institute of Education, International Islamic University Malaysia</i>	287
A Transferable Multimedia Tool for Blended Learning in Introductory Anthropology: Results from Canada and the UK	<i>Pia Marks, Steve Bond and Pamela Stern, ¹University of Waterloo,²Canada, London School of Economics, UK</i>	295
The Day After Tomorrow: Continuing Student use of Old Online Courses	<i>Ken Masters Faculty of Health Sciences, University of Cape Town, South Africa</i>	301
Catering for Students' Needs and Preferences: Multiple Media Combinations in Learning and e-Assessment	<i>Kerstin McClenaghan, Elaine Pearson and Steve Green University of Teesside, Middlesbrough, Cleveland, UK</i>	307
An Investigation into the Adoption of e-Learning in Irish Organisations	<i>TJ Mc Donald and Sinead O'Neill Waterford Institute of Technology, Waterford, Ireland</i>	315
Total Quality Management in e-Learning	<i>Shabd Saran Mishra and R.C. Katiyar Institute of Business Management, CSJM University, Kanpur, India</i>	325
Can e-Learning in Higher Education be Supported by the e-Learning Ladder?	<i>Pam Moule University of the West of England, Bristol, UK</i>	331
Developing Resuscitation Knowledge and Skills Through Blended Learning: What are the Experiences of Healthcare Staff?	<i>Pam Moule¹, Elizabeth Bessan² and John Albarran¹ ¹University of the West of England, Faculty of Health and Social Care, Bristol, UK,²Avon and Wiltshire Partnership NHS Trust, Bristol, UK</i>	339
Improving Visual and Verbal Skills of Primary School Learners through Effective Web-Based Learning	<i>Nirendran Naidoo and Ramu Naidoo Durban Institute of Technology, Durban, South Africa</i>	347

Paper	Author(s)	Page
Investigating the Impact of Learner Characteristics on Blended Learning Among Japanese Students	¹ Minoru Nakayama, ² Hiroh Yamamoto and ³ Rowena Santiago, ¹ CRADLE, Tokyo Institute of Technology, Tokyo, Japan, ² Shinshu University, Matsumoto, Japan, ³ California State University, San Bernardino, CA, USA	361
Lessons Learned: How to do it Better the First Time	Juan A. Peña University of Puerto Rico, School of Business Administration, San Juan, Puerto Rico	371
The Sequence Pattern Combination Model for Solving Various Content Aggregation Design Problems	Noppamas Pukkhem and Wiwat Vatanawood Faculty of Engineering, Chulalongkorn University, Bangkok, Thailand	383
Designing an Interactive Non-Linear Learning Environment: An Educator's Perspective	Ronald Robberecht Department of Rangeland Ecology, University of Idaho, Moscow, ID, USA	391
A Look at the Current Situation for SMEs and e-Learning	Andrée Roy University of Moncton, NB, Canada	401
Unmasking or Revealing? Online Assessment of Oral Ability	Ragy Sandid The American University in Cairo, Egypt	409
Learning Objects: Aligning Different Learning Styles	Jeanne Scheurs and Rachel Moreau University of Hasselt, Diepenbeek, Belgium	415
A Novel Approach for Automatic Evaluation of Student's Free-text Responses	P.Selvi and N.P.Gopalan Department of Computer, Tagore Engineering College India	423
Promoting Collaborative Quality in e-Learning in a Global Arena	Elsebeth Korsgaard Sorensen ¹ , Bo Fibiger ² , Marianne Riis ¹ , Lone Dirckinck-Holmfeld ¹ , Janni Nielsen ³ , Oluf Danielsen ⁴ , Birgitte Holm Sørensen ⁵ ¹ Aalborg University, Denmark, ² Department of Information Science, Helsingforsgade, Århus, Denmark, ³ Department of Informatics, Hovitzvej, Copenhagen, Denmark, ⁴ Department of Communication, University of Roskilde, Denmark, ⁵ The Danish University of Education, Copenhagen, Denmark	433
Towards an Understanding of Web Based Technology and e-Learning in Law: A Model to Enhance Learning Outcomes	Sandhla Summan Lincoln Law School, University of Lincoln, UK	443
Computer Aided Assessment in Large Modules	Harry Temmink and Gill Sugden Westminster Business School, University of Westminster, London, UK	451

Paper	Author(s)	Page
Adaptive Presentation of Learning Content Based on Learners' Emotional States	<i>King Kang Tsoi, Vincent To-Yee Ng The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong</i>	461
Meta Non Verbal Communication: The Missing Link?	<i>David Tudor NCC Education, Manchester, UK</i>	469
The First Time e-Learner's Journey: An Examination of Attrition and Withdrawal Issues in Workplace-Based e-Learning Programmes	<i>Keith Tyler-Smith Christchurch Polytechnic Institute of Technology, New Zealand</i>	477
Intelligent Agent Based e-learning Solutions	<i>Riaz Ul Amin, Muhammad Asif Naeem, A.H.S Bukhari and Muhammad Abbas Balochistan University of Information Technology and Management Sciencess, Quetta Pakistan</i>	489
Professional Communities – Blended Learning Scenarios in Teacher Education	<i>Barbara Wenninger and Sylvia Logar Department of Educational Science, University of Vienna, Vienna, Austria</i>	499
A Student Diagnosing Model Based on Neuro-Fuzzy Intelligent Tutoring Systems	<i>Yongxiang Wu and Shengbo Hu College of Electrical Engineering, Guizhou Normal University, Guiyang, China</i>	509
Threaded Podcasting: The Evolution of On-Line Learning	<i>Frank Yunker and Stephen Barry Fulton-Montgomery Community College, Johnstown, NY, USA</i>	515