8th International Conference on e-Learning

(ICEL 2013)

Cape Town, South Africa
27-28 June 2013

Editors:

Eunice Ivala

ISBN: 978-1-62748-606-4
ISSN: 2048-8882

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, (2013). 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. (2013)

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

Contents

Paper Title	Author(s)	Page No.
Preface		v
Committee		vi
Biographies		ix
Digital Immigrant Students' Adoption of Online Community of Inquiry: FUTA Case Study	Peter Aborisade, Titi Fola-Adebayo and Funmi Olubode Sawe	1
Outcomes of Total e-Learning Application in a Tertiary Academic Institution in Nigeria	Babajide Adelekan	10
E-Learning in Obafemi Awolowo University, Ile-Ife, Nigeria Distance Learning Centre: An Evaluation of Opportunities and Challenges	Tinuade Olubunmi Adewale and Cecilia Funmilayo Daramola	17
Attending to Competency Based Education: New Challenge for e-Learning, Pitfalls and Possibilities	Philip Balcaen	24
Learner Support in Context of Open Distance and e-Learning for Adult Students Using new Technologies	Gezani Baloyi	31
Maintaining Course Contents in Consonance With Students' Perceptions	Omar Abdullah Batarfi	38
Social Higher Education: How Effective is it?	Vladlena Benson and Stephanie Morgan	45
Extending Technology Acceptance Model in Mobile Learning Adoption: South African University of Technology Students' Perspectives	Aaron Bere and Patient Rambe	52
The Dynamics of Offering ICT Training to Pre-Service and In-Service Teachers in a South African Context	Moira Bladergroen, Wallace Chigona, Andy Bytheway, Chris Dumas, Sanet Cox and Izak Van Zyl	61
E-Course Development Based on the Model "System Assembly From Reusable Components"	Jekaterina Bule and Larissa Zaitseva	69
Using Students Response System via Mobile Devices in Large Introductory Psychology Classes	Kevin Chan, Ian Brown, Indie Chor Bun Chung, Lu Hui-Jing and Green Wai-To Luk	76
Applying System Theory to Develop a Mobile Learning Pedagogical Framework	Pieter Conradie	82
Cloud Technologies in Technical Education: A Case Study	Eduardo Correia and Ricky Watson	91
Leapfrogging Pedagogy: A Design Approach to Transforming Learning in Challenging Contexts	Susan Crichton	97
Fifteen Years of Research on Computers and Education from South Africa	Johannes Cronjé	105
Cultivating Learning Design Thinking With e-Portfolios in a Masters Course	Andrew Deacon and Cheryl Hodgkinson-Williams	116
Could Institutional Virtual Learning Environments be Stifling the Possibilities of Learning?	Jerome Terpase Dooga	125
Enhancing the Postgraduate Experience of Assessment and Feedback in a Learning Community	Martina Doolan	136

Paper Title	Author(s)	Page No.
Opportunities and Challenges: Combining Distance and On-Campus Students in Concurrent Courses	Ralph Ellis, Duzgun Agdas and Xi Zheng	143
Stories of Resistance: Digital Counterstories Among South African Pre-Service Student Educators	Daniela Gachago, Franci Cronje, Eunice Ivala, Janet Condy and Agnes Chigona	149
Project-Based Assessment Influencing Pass Rates of an ICT Module at an ODL Institution	Leila Goosen and Dalize van Heerden	157
An Inter-Independence Collaborative Strategy for Sustainable Transnational Higher Education in the Info-Global Age: A new Science of e-Learning in the Making	Mohamed Ziad Hamdan	165
ICT in Practice at the Durban University of Technology	Anita Hiralaal	176
A new Concept of Study Materials for Machine Design	Martin Hynek, Miroslav Grach, Petr Votapek and Jitka Bezdekova	185
Computer Anxiety, Computer Self-Efficacy and Attitude Towards Internet Among Secondary School Students in Akwa Ibom State, Nigeria	Akpan Iniobong, Patrick Uko and Theresa Ekanem	193
Online-Offline System of Evaluating Teaching and Courses for Professional Development	Eunice Ivala	199
A Lecturer's Perception of the Adoption of the Inverted Classroom or Flipped Method of Curriculum Delivery in a Hydrology Course, in a Resource Poor University of Technology	Eunice Ivala, Anton Thiart and Daniela Gachago	207
The TPACK-in-Practice Workshop Approach: A Shift From Learning the Tool to Learning About Technology-Enhanced Teaching	Kamini Jaipal Jamani and Candace Figg	215
Lessons Learnt: Building a Foundation for e-Learning in Medical Education in Botswana	Masego Kebaetse, Cecil Haverkamp and Oathokwa Nkomazana	224
Awareness Learning is a Function of Educational Technology in e-Learning	Simon Bheki Khoz	231
Mobile Learning: A Kaleidoscope	Marlena Kruger and Riana Bester	239
Using Facebook to Teach Communication and Academic Literacy Skills: Perceptions of University Students in Botswana	Joel Magogwe and Beauty Ntereke	248
Investigating Factors That Influence the Socially Orientated Instructional Technology Adoption Rate in an Open Distance Learning Institution	Peter Mkhize and Magda Huisman	255
Exploring Onscreen Marking for Expediting Formative Assessment Feedback in an ODL Environment	Jabu Mtsweni and Hanifa Abdullah	264
Cyber Safety Education: Towards a Cyber-Safety Awareness Framework for Primary Schools	Thirumala Naidoo, Elmarie Kritzinger and Marianne Loock	272
M-Learning With WhatsApp: A Conversation Analysis	Abulela Ngaleka and Walter Uys	282
Empowering Educators to Teach Using Emerging Technologies in Higher Education: A Case of Facilitating a Course Across Institutional Boundaries	Dick Ng'ambi, Vivienne Bozalek and Daniela Gachago	292
Explaining Influences in the Adoption of Blackboard at an Institution of Higher Learning	Vuyisile Nkonki, Siyanda Ntlabathi and Luvuyo Mkonqo	301
Students as Creative Producers	Travis Noakes, Laura Czerniewicz and Cheryl Brown	309

Paper Title	Author(s)	Page No.
Age, Gender, and Computer Self-Efficacy as Correlates of Social Media Usage for Scholarly Works in Nigeria	Maruff Akinwale Oladejo, Olajide Olawole Adelua and Nelson Aderemi Ige	316
Utilizing Online Exams and Human Resources to Improve Student Learning and Minimizing Academic Dishonesty - Finds From Large Section Deployment	Timothy Olson	321
JiFUNzeni: A Blended Learning Approach for Sustainable Teachers' Professional Development	Brown Onguko	326
Learning Analytics: Online Supports Requirements of Learners Revealed	Shireen Panchoo and Alain Jaillet	337
Optimising the use of Online Technology for Learning and Teaching Science	Joy Penman and Jyothi Thalluri	344
Using Social Embeddedness to Explore Ubiquitous Learning in Mobile Environments at a South African University of Technology	Patient Rambe and Aaron Bere	353
Promoting and Supporting Innovations in e-Learning in a Traditional Environment	Brenda Ravenscroft	363
Enlightening Mobile Computer Aided Learning Assessment Tool	Ahmed Salem	370
Effective use of Social Networks to Enhance Engagement and Interaction in Microbiology	Sibongile Simelane and Dorothea Mathudi Dimpe	378
Dooyeweerd is Watching you: Using Instant Messaging to Prepare for Assessment	Imelda Smit and Roelien Goede	386
Academic Staff's Challenges in Adopting Blended Learning: Reality at a Developing University	Mswazi Tshabalala, Charity Ndeya-Ndereya and Tiana Van der Merwe	396
Globalisation and e-Learning: Integrating University and Professional Qualifications for Employability and Lifelong Learning	James Uhomoibhi and Margaret Ross	404
An Open and Interactive Multimedia e-Learning Module for Graphing Kinematics	Carlton Watson and Vernal Brathwaite	409
Enhancing Creative Problem Solving in the Higher Education Curriculum Through the use of Innovative e-Learning Technologies	Denise Wood and Carolyn Bilsborow	416
To Scratch or not to Scratch – a Reflection	Malie Zeeman	425
PHD papers		435
Perspectives on the Integration of Facebook Into Higher Education	Lillian Buus	437
Factors Influencing the Acceptance of Web 2.0 Technologies in the Learning Environment of Nigeria: A Conceptual Framework	Razep Echeng, Abel Usoro and Grzegorz Majewski	444
The Management Practices of ICT Integration in the Curriculum of Primary Schools in Uganda	Stephen Kyakulumbye and Isaac Wasswa Katono	453
Exploring an Empowerment Strategy for Blackboard in a Higher Education Institution	Sibongile Simelane and Sibongile Ruth Ngcapu	462
Masters Research Papers		471
Lecturer Perceptions on the use of Social Networking Services in Education	Ricardo da Rocha and Antoinette Lombard	473

Paper Title	Author(s)	Page No.
Greek Secondary School Teachers' Perceptions Regarding ICT and Greek Literature/Language	Olga Despi	479
E-Learning Tools for Public Awareness Programme Education in Disaster Risk Management: Case Study of the City of Cape Town Disaster Risk Management Centre	Martha Kabaka and Juliet Stoltenkamp	488
From Cellphone to Computer: University Students' use of Technology in First Year	Caroline Magunje and Cheryl Brown	496
Work In Progress Papers		503
WebSci@UHI: Teaching Web Science in a Web Science Fashion	Erik Cambria, Ian Barnes, Elizabeth Brooks[3] and Chris Eckl	505
Foundations for the Reconceptualization of the e-Textbook	David Lamas, Terje Välyataga, Mart Laanpere, Veronika Rogalevich, Arman Arakelyan, Sónia Sousa and Ilya Shmorgun	510
E-Learning of Highway Traffic Flow in Real Time	Ren Moses	515
An Exploration of e-Learning Practices of Teachers at Selected Schools	Osman Sadeck	519
Knowcations: A Meme-Based Personal Knowledge Management System-in-Progress	Ulrich Schmitt	523
Leveraging Engagement and Participation in e-Learning with Trust	Sonia Sousa and David Lamas	528
Facilitating a Constructivist Learning Environment Through Chat Room Dialogue	Kristian Stewart	532
Late Submission		537
Does Assessing E-Skills Competence at an Open Distance Learning, Higher Education Institution Matter? – A Case in Point	Jabulisiwe Mabila, Sam Ssemugabi and Helene Gelderblom	539