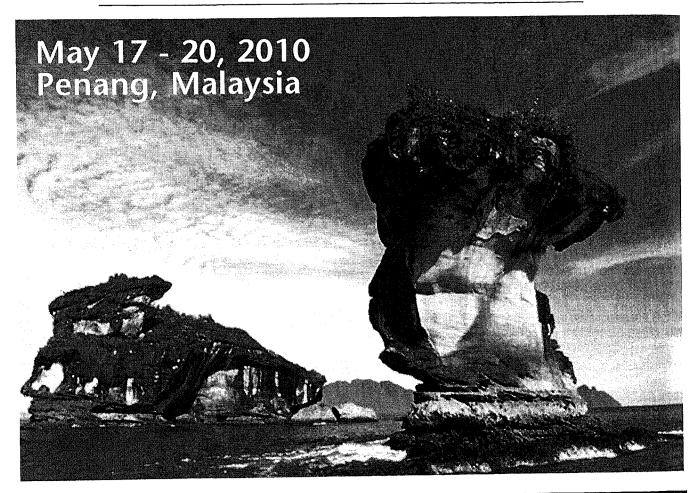


Global Conference on Learning and Technology





A CONFERENCE OF AACE www.aace.org

Editors
Zoraini Wati
Insung Jung
Joseph Luca
Volume 1

TABLE OF CONTENTS

The International Handbook Summit Call to Action for Learning with Technology in the 21st Century
Gerald Knezek, Society for Information Technology & Teacher Education (SITE), USA; Joke Voogt, University of
Twente, Netherlands; Cathie Norris, University of North Texas, USA; Elliot Soloway, University of Michigan,
USA; Ian Gibson, Macquarie University, Australia; Michael Searson, Kean University, USA
Research Trends of Learning and Technology in Japan: A Critical Review of Two Journals by
Japanese Society for Information and Systems in Education (JSiSE)
Katsuaki Suzuki, Kumamoto University, JAPAN, Japan
The Effect of Using Computer Technology Tools to Enhance the Teaching-Learning Process in
CAD-CAM-CNC in Mechanical Engineering Subject Area9
Mr. Salah. M A. Al Hamad, Dr. Rakesh Mishra, University of Huddersfield, UK; Dr. Haifa M.J. Khalaf, University
of Bahrain, Bahrain; Mr.Mohamed Alseddiqi, University of Huddersfield, UK
"Lear.Ning Together". A case study examining the introduction of social collaborative learning
supported by technology
Mark Curcher, Dubai Men's College -Dept. of Learning Innovation., United Arab Emirates
Stereoscopic in Coordination with Mixed Reality System in Classroom, 3D-edu Project Interface 25
Nguyen Thi Huyen, Collect of Electrical Engineering and Computer Science - National Central University, Taiwan;
Chin-Yeh Wang, Taiwan e-Learning & Digital Archives Program Office National Central University, Taiwan; Shih-
Ching Yeh, Gwo-Dong Chen, Department of Computer Science and Information Engineering National Central
University, Taiwan; Liu Chen-Chung, Graduate Institute of Network Learning Technology National Central
University, Taiwan
An Integrated Collaboration System to Manage Student Team Projects35
Elizabeth Koh, John Lim, National University of Singapore, Singapore
The use of various media for Competency Development among M.Ed. learners a Study of BAMU,
Aurangabad45
Prashant Pagare, Chetna Sonkamble, Department of Education DR. Babasaheb Ambedkar Marathwada University
Aurangabad, India
Sharepoint Collaboration: Streamlining the Dissertation process for Online Students 46
Amanda Rockinson-Szapkiw, Randall Dunn, David Holder, Liberty University, USA
Universal Adaptation of Avatar Technology and the Metaverse for Online Learning: A New
Approach50
Michael Roller, Purdue University Calumet, USA
Riding International Waves (Google Waves)54
Bonnie Thurber, Kidlink - Global Association, USA
The Next Generation of Patient Education: Multilingual Dental Explorer 3D55
Alexander Ammann, Anne Klebba, Quintessence International Publishing Group, Germany; Joern Krueckeberg,
Herbert Matthies, Hannover Medical School, Germany
Testing submission
Jordan Reiter, AACE, USA
WebWiz: find, edit, create
Matthew Absalom, University of Melbourne, Australia The Emotional Con in Virtual Online Environments
The Emotional Gap in Virtual Online Environments
Development of Learning Diagnosis and Prescription System for Support of the Cyber Home
Learning System in KOREA71
Yu-ri Kim, Jeong-Hee Seo, Jae-Shin Song, Korea Education & Research Information Service, Korea (South)
Development and Implementation of a Digital Textbook Platform Usability Evaluation Tool 84
Cheolil Lim, Yekyung Lee, Seoul National University, Korea (South); Haedeok Song, Chungang University, Korea
(South); Youngtae Lee, Seoul National University, Korea (South); Jonghyuk Yoon, Chungang University, Korea
(South); Goeun Park, Yena Kang, Seoul National University, Korea (South); Seokyung Shin, Chungang University,
Korea (South)
Application of Service-Oriented Architecture to meet the Challenges in e-learning System Design90
Wan Chul Lim, Seonyoung Jang, Graduate school of Education Seoul National University, Korea (South); Seong Ik
Park, Department of Education, Seoul National University, Korea (South)

Online Community and Its Impact on E-Learners' Commitment To Stay in their Programmes98
Richard Ng, Open University Malaysia, Malaysia; Karl Wagner, Universities of Applied Sciences, Germany
Automated Tutoring in a Course Management System107
Carol Redfield, St. Mary's University & WebStudy, USA; Gisele Larose, WebStudy, USA
Learning at a higher education institution: Exponential growth and pain112
Juliet Stoltenkamp, University of the Western Cape, South Africa; Tasneem Taliep, University of the Western
Cape, South Africa; Norina Braaf, Okasute Kasuto, University of the Western Cape, South Africa
Web Sticky-Notes for e-Learning Systems121
Yoshio Yamagishi, Akira Nakamura, Kanazawa Institute of Technology, Japan
Ergonomic Analysis of Depth/Breadth Trade-off for Tree-Structured Menu Retrieval Systems 126
Yumi Yamaguchi, Sanyo Gakuen University, Japan
Automated Student Portfolio Development and Verification for Expertise Capture in Learning and
Development Activities – the DECADE Approach
Liz Bacon, University of Greenwich, UK; Lachlan MacKinnon, Buskerud University College, Norway
Approaches to Introduce e-Portfolios for Learning and Assessment in Postgraduate Programmes142
Madhumita Bhattacharya, Athabasca University, Canada
Using Digital Portfolios to Evaluate Learning
Phil Ice, American Public University System, USA; Megan Stewart, Adobe, USA; Bill Bain, Full Sail University,
USA
Web 2.0, e-Portfolios, and Continuing Professional Education in University Masters Courses and Beyond
Beyond
Madhumita Bhattacharya, Athabasca University mmitab@gmail.com, Canada; Mike Mimirinis, Middlesex
University, UK Ontimizing the Blogfelia Experience
Optimizing the Blogfolio Experience
Opening up learning with mobile technologies164
Yayoi Anzai, Aoyama Gakuin University, Japan; Paul Kim, Stanford University, USA; Ke Zhang, Wayne State
University, USA; Elliot Soloway, University of Michigan, USA; Cathleen Norris, University of North Texas, USA;
John Traxler, University of Wolverhampton, UK
Mobile Technology to Solve Motivation Problem in e-Learning System168
Chantorn Chaiprasurt, Vatcharaporn Esichaikul, Asian Institute of Technology (AIT), Thailand
Selected Influences on Students' Uses of Wireless Handheld Devices: An Iranian Exploratory
Case Study
Abdul Hafeez-Baig, Raj Gururajan, University of Southern Queensland, Australia; Shamsodin Nazemi, Ferdowsi
University of Mashhad, Iran, Iran (Islamic Republic Of); Linda De George-Walker, Patrick Danaher, University of
Southern Queensland, Australia
A whole-school approach to technological literacy: Mobile learning and the iPhone
Jan Herrington, Susan McKenzie, Robin Pascoe, Amanda Woods-McConney, Judith MacCallum, Peter Wright,
Murdoch University, Australia
Image Indexing for Learning Content via a Mobile Phone187
Ferial Khaddage, Ashley Chonka, Wanlei Zhou, Deakin University, Australia
A Preliminary Study: Level of Laptop Competence Among Secondary School Teachers 195
Priscilla Moses, Wong Su Luan, Kamariah Abu Bakar, Rosnaini Mahmud, Universiti Putra Malaysia, Malaysia
Geo-Terra: Location-based Learning Using Geo-Tagged Multimedia205
Glen Sagers, Shobit Kasliwal, Joaquin Vila, Billy Lim, Illinois State University, USA
Instructor Perceptions of Using Mobile Phones in Teaching and Learning: The Case of a Group of
Instructors in the UAE212
leda Santos, Emirates College for Advanced Education, United Arab Emirates; Otávio Bocheco, Universidade
Federal de Santa Catarina (UFSC), Brazil
The Research on the English Village Situations Incorporated with Context Awareness 218
Jia Rong Wen, Professor, Department of Information Management, Kaohsiung, Taiwan, Taiwan; Chia-Pin Chen,
PhD. Student, Department of Industry Education, National Kaohsiung Normal Universit, Kaohsiung, Taiwan,
Taiwan; Sheng-Huang Kuo, PhD. Student, Department of Industry Education, National Kaohsiung Normal
University, Kaohsiung, Taiwan, Taiwan; Ming Kuang Chuang, hD. Student, Department of Industry Education,
National Kaohsiung Normal University, Kaohsiung, Taiwan, Taiwan

M-learning Incorporated into the Elementary School English Teaching	. 224
Jia-rong Wen, Professor, Department of Information Management, Taiwan; Ming Kuang Chuang, Kuo-Ming Cl	
Sheng-Huang Kuo, PhD. Student, Department of Industry Education, National Kaohsiung Normal University,	~
Kaohsiung, Taiwan, Taiwan	
A case-study: The adoption, adaptation and transformation of Facebook as eportfolio in Highe	r
Education	
Raja Maznah Raja Hussain, Huey Zher Ng, ACADEMIC DEVELOPMENT CENTRE, UNIVERSITY OF	
MALAYA, Malaysia	
The Perception and Acceptance of Students towards using Social Networking Sites in Teachin	α
and Learning	
Ee Xion Tan, Yeh Ching Low, Taylor's University College, Malaysia	
Multimedia communication as a learning strategy	257
Daniela Bernardis, Università di Udine, Italy	. 200
Beyond YouTube: Repurposing Online Video for Education	257
Grace Lin, Unversity of Hawaii, USA; Georgette Michko, University of Houston, USA	. Z J i
Enhancing Lecture Video Viewing: A Smart Visual Timeline	265
Ernesto Rivera, Akinori Nishihara, Tokyo Institute of Technology, Bolivia	. 200
Videoconferencing Power in Today's World of Learning	275
Marci Powell, Polycom, and also United States Distance Learning Association, USA	. 2.1 2
Making Art Lessons Come Alive with Web 2.0	070
Zoraini Wati Abas, Open University Malaysia, Malaysia; Yun Yun Chow, Sapura Smart School, Malaysia	. 213
	270
Blended Project-Based Learning with use of eMath Tools	. 210
Choon Cheng Ang, Ah-Hong Tey, Keng-Peng Khoo, Hwa Chong Institution, Singapore	004
Using RIA's to Enhance Student Engagement	. 284
Bill Bain, Full Sail University, USA; Phil Ice, American Public University System, USA	
The usage of handphone and internet technologies in the teaching of communicative English a	is a
second language	. 285
Norlizah Che Teh, SK Seri Ampang, Malaysia	
Cultivating Linguistic Ownership through Reflective Blog-writing:	0.01
A College-level Dyadic Collaboration through Web 2.0	
Wen-Chun Chen, National Chung-Cheng University, Taiwan; Yu-Chih Doris Shih, Fu-Jen Catholic University,	
Taiwan	
Elementary School Students' Attitudes toward Applying Wikis or Blogs for Collaborative Note-	
	298
Chiung-Hui Chiu, Cheng-Huan Chen, Chiu-Yi Wu, Ssu-Wei Chen, Graduate Institute of Information and Comp	uter
Education, National Taiwan Normal University, Taiwan	
Incorporating Web 2.0 into Education	
Fran Cornelius, Drexel University-College of Nursing and Health Professions, USA; Karyn Holt, Drexel Univers	ity-
College of Nursing and Health Professions, USA	
e-Partnerships: Library information acquisition in the comfort of students' digital homes	312
Eva Dobozy, Julia Gross, Edith Cowan University, Australia	
Integrating Off-The-Shelf Language Learning Podcasts into the Curriculum: a Typology for Digital Control of the Curriculum: a Typology for Digital	
Wisdom.	320
Charles Humblet, Arts eLearning Unit, University of Sydney, Australia	
Technology Trends in Learning and Implications for Intercultural Exchange	326
Bert Kimura, Curtis Ho, University of Hawaii at Manoa, USA	
Wikis as collaborative learning tools for knowledge sharing: Shifting the education landscape.	
Norhisham Mohamad Nordin, Sultan Idris Education University (Universiti Pendidikan Sultan Idris), Malaysia;	Jane
Klobas, University of Western Australia, Australia	
A Study on the Learning Participation and Communication Process by Learning Task Types in	
Wiki-Based Collaborative Learning System	341
Sangchul Oh, Korea Institute for Curriculum and Evaluation, Korea (South); Sung-Wan Kim, Ajou University,	
Korea (South); Yonghun Choi, Youjung Yang, The Institute for Educational Research, Yonsei Univ., Korea (So	
Wiki as a collaborative tool in education: A case study	348
Mohan Rathakrishnan, University Science Malaysia, Malaysia	
Synergizing Wikis, Vodcasts, and Podcasts for Collaborative Class Texts	356

Amanda Rockinson-Szapkiw, Michael Szapkiw, Justin Tucker, Liberty University, USA	
Promoting Critical Thinking through Asynchronous Weblog Forum	361
Zahra Shahsavar, Bee Hoon Tan, Universiti Putra Malaysia, Malaysia	
Pod-cast Implementation in English Listening Facilitation	368
Amparika Suetrong, Banjert Chongapiratanakul, Suranaree University of Technology, Thailand	
Wiki Experience in a Statistics Classroom: A Case Study	374
Jmawathy Techanamurthy, Kolej Komuniti Selayang, Kementerian Pengajian Tinggi Malaysia, Malaysia; Baha	rom
Mohamad, Mohamad Hisyam Mohd. Hashim, University Hussein Onn Malaysia, Malaysia	
Social Media and Dialogic Evaluation as Tools for Teaching Metacognitive Skills in Teacher	
- W - W - W - W - W - W - W - W - W - W	385
Hanna Torp, Marjatta Myllylä, TAMK University of Applied Sciences / Vocational Teacher Education Centre,	
Finland A Preliminary Investigation of Effects of Student Created Podcasts on a Social Network for ESF	5
Learning	
David Wolff, National Kaohsiung Hospitality College, Taiwan	050
Assessment embedded learning environment design	396
Madhumita Bhattacharya, Athabasca University, Canada	000
Knowing What Students Know: Assessments of Complex Skills in Global Economy & Fast	
	397
Mahnaz Moallem, UNC Wilmington, USA; Madhumita Bhattacharya, Athabasca University, Canada; Mike	
Mimirinis, Middlesex University, UK, UK	
The Implementation and Evaluation Learning Processes within Cognitive, Interactive, and	
Transparent, Teaching Interface	400
Hsiu-Ju Chang, Taipei County Shu-Lin High School, Taiwan	
An Innovative Approach towards Learners' Assessment of Instructional Process (LAIP) in an O	DL
Environment	406
TickMeng Lim, Chooi-Chea Chiam, Norbaini Abdul Halim, Nur Azlin Omar, Siew-Nooi Phang, Open Universi	ty
Malaysia, Malaysia	
Creating a Culture of Assessment: Technology Enhanced Outcome Management	414
Brian McKay Epp, Pearson eCollege, USA	
Feedback in the Computer-based Sport Training	420
Yulita Hanum P Iskandar, Lester Gilbert, Gary Wills, University of Southampton, UK	
Designing and Evaluating Innovative Learning Experiences for K-12 Students with Autism	428
John Quick, Lisa Tolentino, Philippos Savvides, Elizabeth Berry, William Krause, Wilhelmina Savenye, Mina	
Johnson, David Birchfield, Arizona State University, USA	
Using Thought Mapping Software to Enhance Instructor Feedback	433
Megan Stewart, Adobe, USA; Phil Ice, American Public University System, USA	404
Use of computers and attitude of students	434
Wenceslao Verdugo, Secundaria General 8 - Sonora -, Mexico; Angelica Padilla Val, Secundaria General 11 - Sonora -, Mexico	
Evaluating Peer Assessment within Project-based Learning in Second/Foreign Language	
Education	
Janette Yuvienco, National Taiwan University, Taiwan	. 44 (
A Study of Faculty Attitudes toward Students` Evaluation of Faculty and Faculty Evaluation of	
Students in the Academic Year of 2008-2009	448
Gholamreza Ahmadi, Zahra Leis Safar, Islamic Azad University, Khorasgan Branch, Iran (Islamic Republic Of)	770
Using the Community of Inquiry Survey Instrument to Inform Online Learning Outcomes	
Phil Ice, American Public University System, USA; Bill Bain, Full Sail University, USA; Megan Stewart, Adob	е.
USA	-,
Collecting data from college students using Web based data collection instruments	456
Ananda Mitra, Wake Forest University, USA	
e-conomics Supplements: Supporting the Teaching and Learning of Economics through Open	
and Distance Learning	
Lilian Kek Siew Yick, Chiam Chooi Chea, Open University Malaysia, Malaysia	
Using Multi-media Technology to Facilitate the Learning of Physical Therapy Documentation:	
Maximizing Engagement or Entertaining Diversion?	464

Michael Lebec, Lauren Kesterloot, Northern Arizona University, USA
An Experimental Analysis of
Influence of an Adaptive Testing System
On Students Final Exam Marks470
Mohammad Hasan Ramesht, Azad University Central Tehran Branch, Iran (Islamic Republic Of); Zahra Mehrizi,
Helal, Iran (Islamic Republic Of)
Improving Teachers Computer Literacy with Intensive Training479
Hery The, University of Hawaii at Manoa (UHM), USA
The Effect of Individual Differences on Acceptance of Web-Based Learning Management System:
A Case of the Central Bank of the Republic of Turkey485
Arzu Hanci-Karademirci, Central Bank of Republic of Turkey, Turkey; Dr. Hasan Karaaslan, Middle East Technical
University, Turkey
Accessibility: A Crucial Ingredient in Developing Speech Browser to Facilitate the Visually
Impaired in Virtual Learning Environment
Nurulisma Ismail, Halimah Badioze Zaman, Universiti Kebangsaan Malaysia, Malaysia
Turning technology presence into technology use: the case of South Africa495
Sello Mokwena, Tshwane University of Technolgy, South Africa
Revisiting Retro Technology to Extend Educational Opportunity to Teachers in Remote Schools 502
Hui Thian Teo, Widad Othman, Open University Malaysia, Malaysia
TAC. The Alternative Cuide to IIClam, Creative realistic arrestations of biology advantion. 540
TAG – The Alternative Guide to UCLan: Creating realistic expectations of higher education 510 Lucy Warman, Beverly Leeds, University of Central Lancashire, UK