



Barcelona, Spain welcomed once again a successful edition of the IADIS International Conference on Cognition and Exploratory Learning in Digital Age, during 8- 10 December, 2006. This conference was endorsed by the Japanese Society of Information and Systems in Education.

Endorsed by:



The 2006 focus was to address the main issues concerned with evolving learning processes and supporting pedagogies and applications in the digital age. There had been advances in both cognitive psychology and computing that have affected the educational arena. The convergence of these two disciplines is increasing at a fast pace and affecting academia and professional practice in many ways. Paradigms such as just-in-time learning, constructivism, student-centered learning and collaborative approaches have emerged and are being supported by technological advancements such as simulations, virtual reality and multi-agents systems. These developments have created both opportunities and areas of serious concerns.



The main areas for submissions were: Acquisition of expertise, Assessing progress of learning in complex domains, Assessment of exploratory learning approaches, Assessment of exploratory technologies, Cognition in education, Collaborative learning, Educational psychology, Exploratory technologies (such as simulations, VR, i-TV and so on), Just-in-time and Learning-on-Demand, Learner Communities and Peer-Support, Learning Communities & Web Service Technologies, Pedagogical Issues Related with Learning Objects, Learning Paradigms in Academia, Learning Paradigms in Corporate Sector, Life-long Learning, Student-Centered Learning, Technology and mental models, Technology, learning and expertise and Virtual University.

The IADIS CELDA 2006 Conference received 153 submissions from more than 30 countries. Each submission has been reviewed in a double-blind review process by at least two independent reviewers to ensure quality and maintain high standards. Out of the 153 papers submitted, 34 were accepted as full papers for an acceptance rate of 22%; 32 were accepted as short papers and 14 were accepted as reflection papers.

Authors of the best published papers in the conference proceedings were invited to publish extended versions of their papers in:

❖ **“A Critical View of Technology-Enhanced Learning and Instruction In the Digital Age”**,

Eds: Kinshuk, Demetrios G Sampson, Pedro Isaias, J. Michael Spector and Lynne Schrum, in Journal of Research on Technology in Education, ISTE (International Society for Technology in Education), ISSN 1539-1523, Vol. 40, Number 1, Fall 2007



Besides the presentations of full, short and reflection papers, the conference also featured three keynote presentations, a Tutorial, one invited speaker and also a workshop.

Keynote Presentation:

“A TASK-CENTERED INSTRUCTIONAL STRATEGY”



by Professor M. David Merrill Instructional Effectiveness Consultant, Emeritus Professor Utah State University, Visiting Professor Florida State University, USA

Keynote Presentation:

“VIDEOGAMES IN EDUCATION: REFLECTIONS ABOUT THE DESIGN OF GAMES-BASED LEARNING ENVIRONMENTS”



by Professor Begoña Gros University of Barcelona, Spain



Keynote Presentation:

“MOBILE LEARNING: AN ECOLOGICAL ANALYSIS”



by Professor Cathie Norris, University of North Texas, Denton, TX, USA
and
Professor Elliot Soloway University of Michigan, Ann Arbor, MI, USA

Invited Talk:

“TECHNOLOGY-ENHANCED LEARNING: RESEARCH ACTIVITIES CO-FUNDED BY THE EUROPEAN UNION – PAST, PRESENT AND FUTURE”



by Marco Marsella - European Commission DG Information Society and Media Directorate E - Content Learning and Cultural Heritage Unit



Tutorial:

“SUPPORTING AND ASSESSING LEARNING IN COMPLEX PROBLEM DOMAINS: PERSPECTIVES FROM COGNITIVE SCIENCE AND EDUCATIONAL TECHNOLOGY ”



by Professor J. Michael Spector and Vanessa P. Dennen, Florida State University, USA



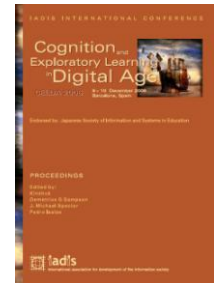
Workshop:

“EXPLOITING MOBILE AND WIRELESS TECHNOLOGIES ON VOCATIONAL TRAINING”



by Professor Demetrios Sampson Department of Technology Education and Digital Systems, University of Piraeus, Greece, and Advanced e-Services for the Knowledge Society Research Unit, Informatics and Telematics Institute, Centre for Research and Technology Hellas, Greece

The Proceedings were both published in Book (ISBN: 972-8924-22-4) and CD-ROM (ISBN: 972-8924-24-0) by IADIS Press.



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