



The IADIS International Conference on Cognition and Exploratory Learning in Digital Age 2007 was held in Algarve, Portugal at the Hotel Tivoli Almansor (Carvoeiro), December, 7- 9, 2007 and was endorsed by the Japanese Society of Information and Systems in Education.

Endorsed by:



The Hotel Tivoli Almansor is a very special hotel with a Moorish influence in its décor, which is nestled in a dramatic location perched above a small cove with its own secluded beach. This hotel has been built on the rocks above the Vale Covo beach, which is surrounded by caves and rocks forming an inlet of limpid and quiet waters.



The IADIS CELDA 2007 Conference intention 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.

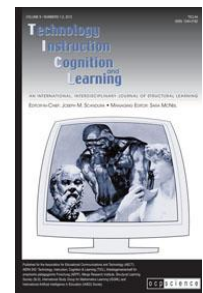
This conference aimed to cover both technological as well as pedagogical issues related to these developments. The main tracks for submissions were: Acquisition of expertise, Assessing progress of learning in complex domains, Assessment of exploratory learning approaches, Assessment of exploratory technologies, 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. However innovative contributions that do not easily fit into those areas were also considered as long as they were directly related to the overall theme of the conference – cognition and exploratory learning in the digital age.



The IADIS CELDA 2007 Conference had 138 submissions from around the world. 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 138 papers submitted, 37 were accepted as full papers for an acceptance rate of 27%; 32 were accepted as short papers and 8 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:

- ❖ “Cognition and Exploratory Technology-Enhanced Learning”  
Eds: Kinshuk, J. Michael Spector, Demetrios G Sampson and Pedro Isaias, in Technology, Instruction, Cognition and Learning (TICL) Journal, Old City Publishing, Inc, ISSN: 1543-0537 (print), Volume 6, Number 4, 2009



The Conference comprised parallel sessions of full, short and reflection papers presentations and also two keynote lectures and one tutorial.

**Keynote Presentation:**



**“EDUCATION MYTH BUSTING: EDUCATION IS NOT A QUESTION OF BELIEF, I BELIEVE!”**



by Professor dr. Paul A. Kirschner, Professor of Educational Psychology and ICT / Chair of the Research Centre Learning in Interaction Universiteit Utrecht, The Netherlands



### Keynote Presentation:

**"COMPUTER BASED INTERACTION ANALYSIS SUPPORTING SELF-REGULATION: ACHIEVEMENTS AND PROSPECTS OF AN EMERGING RESEARCH FIELD "**



by Professor Angelique Dimitracopoulou, LTEE Laboratory, University of the Aegean, Greece



### Tutorial:

**"STORYTELLING AND STORY ANALYSIS: MECHANISMS FOR ASSESSING INDIVIDUAL AND TEAM COMPETENCIES "**



by Paul Barach, MD, MPH, Professor (visiting) Department of Anesthesiology and Epidemiology, Utrecht University Medical Center Utrecht, NL and Julie Johnson, Assistant Professor, Department of Medicine, University of Chicago, Director Research, American Board of Medical Specialties, USA



The Proceedings of CELDA 2007 were both published in Book (ISBN: 978-972-8924-48-5) and CD-ROM (ISBN: 978-972-8924-46-1) by IADIS Press.



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