

The International Conference on Cognition and Exploratory Learning in Digital Age was held in Timisoara, Romania, October, 15- 17, 2010 and was co-organised by "Politehnica" University of Timisoara, Romania and endorsed by the Japanese Society of Information and Systems in Education.



The conference aimed 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 intention was 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, - EU projects in Education, Research and in Learning Technologies, 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 CELDA 2010 received 83 submissions from more than 21 countries.

Each submission was reviewed in a double-blind review process by at least two independent reviewers to ensure quality and maintain high standards. Out of the papers submitted, 25 were accepted as full papers for an acceptance rate of 30%; 17 were accepted as short papers, 5 were accepted as reflection papers and 1 was accepted as an EU Project Paper.

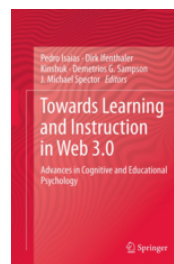
Authors of the best published papers in the conference proceedings were invited to publish extended versions of their papers in:



- ❖ A book from Springer

Towards Learning and Instruction in Web 3.0

Isaias, P.; Ifenthaler, D.; Kinshuk; Sampson, D.G.; Spector, J.M. (Eds.) 2012, 2012, XXVI, 325 p. 74 illus. Hardcover, ISBN 978-1-4614-1538-1



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In addition to the presentation of full papers, short papers, reflection papers and the EU Project Paper, the conference also featured one keynote presentation.



Keynote Presentation:

“LOOKING INTO THE FUTURE: INTEGRATING TECHNOLOGY AND PEDAGOGY”



by Professor Miguel Nussbaum, Computer Science Department, School of Engineering, Universidad Catolica de Chile, Chile

The Proceedings were both published in Book (ISBN: 978-972-8939-28-1) and CD-ROM (ISBN: 978-972-8939-27-4) by IADIS Press.



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