

# Interactive Learning Environments

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## Editors:

**Dr Joseph Psofka**, US Army Research Institute, USA

**Dr Bernard Scott**, Cranfield University, Defence Academy, UK

## Special issue on

«**INTERACTIVE LEARNING ENVIRONMENTS FOR THE KNOWLEDGE SOCIETY**»

Organized in the Context of the First World Summit on the KNOWLEDGE SOCIETY,

<http://www.open-knowledge-society.org/summit.htm>

## Guest Editors

**John Carroll**, University of Pennsylvania, USA

**Miltiadis Lytras**, OPEN RESEARCH SOCIETY, Greece

**Gottfried Vossen**, University of Muenster, GERMANY

## Call for Papers

The **Interactive Learning Environments** seeks original manuscripts for the Special Issue on "INTERACTIVE LEARNING ENVIRONMENTS FOR THE KNOWLEDGE SOCIETY" scheduled to appear in a 2009 issue. The accepted articles must be presented in the 1st World Summit on the Knowledge Society: <http://www.open-knowledge-society.org/summiy.htm>

Ten articles will be selected for publication in this Interactive Learning Environments special issue.

The key objective of the special issue is to advancing the knowledge on the interactive learning environments, in simple words the application of information technologies and mutlidisciplinary research towards a new era of knowledge and learning dissemination for all in the context of the knowledger society.

Technology enhanced learning is the best term to describe the domain of knowledge society technologies as applied in the learning context: "Learning for anyone, at any time, at any place". With the shift towards the knowledge society,

the change of working conditions and the high-speed evolution of information and communication technologies, peoples' knowledge and skills need continuous updating.

Learning, based on collaborative working, creativity, multidisciplinary, adaptiveness, intercultural communication and problem solving, has taken on an important role in everyday life. The learning process is becoming pervasive, both for individuals and organisations, in formal education, in the professional context and as part of leisure activities. Learning should be accessible to every citizen, independent of age, education, social status and tailored to his/her individual needs. To meet these social challenges is a leading issue of research on the use of technology to support learning (e.g. The Technology Enhanced Learning Action within the 7th Framework Program for Research and Technological Development). In the context of the knowledge society, the focus of research in this area has been set on applications of technologies for user-centered learning, building on the concept of human learning and on sound pedagogical principles, with the key objectives to be:

- To increase the efficiency of learning for individuals, groups
- To facilitate transfer and sharing of knowledge in organisations
- To contribute to a deeper understanding of the learning process by exploring links between human learning, cognition and technologies
- To promote humanistic visions for a better world based on open learning for all

This special issue in the context of the FIRST WORLD SUMMIT ON THE KNOWLEDGE SOCIETY investigates interactive learning environments and provides a publication outlet for leading edge research for a new emerging discipline which stands in the converging domains of high tech technologies, intelligent systems and technology enhanced learning and knowledge management approaches..

### **Topics:**

Subjects covered include, but are not limited to:

#### **Interactive Learning Environments - Technology Enhanced Learning: An Emerging Episteme**

- The technology enhanced learning domain: philosophical routes, demonstration of various communities, success stories, lessons learned
- Technology enhanced learning key issues: effective strategies, learning models and theories
- Deployment of ICTs in education, policy issues of TEL, integration issues, extensibility, interoperability

#### **Interactive Learning Environments - Technology Enhanced Learning: The Theories**

- Pedagogical theories and models of TEL
- Constructivist approaches to TEL
- Collaborative/context aware/personalised TEL approaches
- Communities of learners and TEL

### **Interactive Learning Environments - Technology Enhanced Learning: The Technologies**

- Web 2.0 and TEL
- Semantic web and TEL
- Adaptive and personalised hypermedia for TEL
- Metadata and content standards and TEL
- Free and open source software for TEL
- Ubiquitous and pervasive technologies for TEL
- Intelligent agents for TEL
- Learning management systems
- Emerging technologies
- Grid technologies for learning

### **Interactive Learning Environments - Technology Enhanced Learning: The Practices**

- TEL practices in different educational/learning contexts
- Surveys of TEL adoption in education
- Future of TEL

### **Interactive Learning Environments - Technology Enhanced Learning: The Applications in Domains**

- TEL tools/emerging technologies and new generation TEL
- Challenges for the future; specification of government policies for the promotion of TEL in education
- Roadmaps for the future

### ***Important Dates***

- 10th May 2008: Submission through submission system of the 1ST WORLD WUMMIT ON THE KNOWLEDGE SOCIETY, <http://www.open-knowledge-society.org/summit>
- [Use the submission system: <http://www.open-knowledge-society.org/submissions.htm>]
- 10th June 2008: Notification to Authors
- 25TH September 2008: Presentation to the Summit

- 30th November 2008: Camera Ready Papers including request for revisions
- 2009: Publication of Issue to ILE

Note: For inquiries concerning special issue please contact Dr. Miltiadis D. Lytras at [miltiadis.lytras@gmail.com](mailto:miltiadis.lytras@gmail.com)