Call for papers

Special Issue on "Human-Computer Interaction in Knowledge-based Environments"

To be published in Intelligent Decision Technologies (IDT)

Aims and Scope

The special issue on "Human-Computer Interaction in Knowledge-based Environments" aims at presenting some of the challenging issues of how users interact with computers in knowledge-based environments. As computer users are spreading and include people of all ages, backgrounds, professions, education levels, aims, profiles, preferences and personalities, human computer interaction has to undertake the difficult task of personalization, adaptivity, virtual reality presentation, intelligent multimedia interaction and so on. The special issue focuses on both theoretical issues as well as applications of intelligent user interfaces within the area of human-computer interaction including methodologies, design environments, user interface development life cycle, empirical studies multimedia/multimodal signal processing and evaluation.

Topics of interest

The topics of interest include but are not limited to:

– Intelligent User Interfaces	– Multi-modal Systems
– Multimedia/Multimodal Interaction	– Machine Learning-based Interactive Systems
– Multimedia Signal Processing for Human-Computer Interaction	– Cognitive Environments
	– User Stereotypes
	– User Interface Life Cycle
– Virtual Reality Environments	– Empirical Studies
– Web-based Intelligent User Interfaces	– Evaluation
	– E-commerce Applications
– User Modeling and Personalization	– E-learning Applications
	– E-government Applcations
– Intelligent Help Systems	– User Interface Privacy and Security
– Adaptive User Interaction	
– Intelligent Tutoring Systems	– Other
– Recommender Systems	
– Affective Systems	

Guest-editors

Prof. Maria Virvou (mvirvou@unipi.gr) and Prof. George A. Tsihrintzis (geoatsi@unipi.gr), University of Piraeus, Greece

Instructions for authors

Each paper will be reviewed and accepted or rejected based on its own merit and subject appropriateness by using a double-blind peer reviewed process. All papers must be original, of high quality and of approximately 12–15 pages in length at the publication stage. Papers must not have been previously published or under publication consideration elsewhere. Full papers and other inquiries must be emailed directly to the guest editors.

Important dates

– Submission deadline: 1 June 2009
– Review results: 15 July 2009
– Revised paper submission: 1 September 2009
– Manuscript delivery to publisher: 1 November 2009