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ENGINEERING EDUCATION

CALL FOR PAPERS

SPECIAL ISSUE ON
Human Computer Interaction in Engineering Education

Guest Editors

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Although computers changed radically during the last decades, interaction with them remained pretty much the same. Keyboard and mouse are still the dominant devices for the interaction between humans and computers, limiting effectiveness by a lack of high-level natural human-computer interfaces. Recent technology developments have produced new opportunities for providing more advanced and efficient interfaces to the users. Some of the latest are natural gestures, touch-screens, implicit interactions and tangible user interfaces. Engineering education could benefit from these new approaches in human-computer interaction.

For this special issue, we seek original theoretical, as well as practical, papers presenting research that describes and assesses groundbreaking new devices, methods and approaches to human-computer interaction focused on applications in the field of engineering education.

The topics of this special issue include but are not limited to:
- natural human-computer interactions and gestures
- interactive surfaces and tablet computing
- user interfaces and interaction for mobile computing
- voice-based user interfaces
- user interfaces based on physiological sensors and actuators
- impact of new devices and techniques on teaching and learning
- curriculum design around new devices
- assessment of teaching and learning using new devices

Important Deadlines

Submission of extended abstracts	March 30, 2012
Notification of acceptance	April 15, 2012
Submission of manuscripts	June 30, 2012
Reviewers' feedback	September 15, 2012
Submission of final manuscripts	November 30, 2012

Submissions are to be sent by e-mail in MSWord format to:
Miroslav Minović, University of Belgrade, School of Business Administration, Laboratory for multimedia communications, miroslav.minovic@mmklab.org.

Manuscripts must be written in English and limited to 12 one-sided, one-column, single-spaced pages. Manuscripts should include keywords, complete affiliation of the authors and a short biography, and the citing and listing of references should be in the IJEE style. Figures and illustrations should be suitable for non-color printing.
General information and guidelines are available at the IJEE Web site:
http://www.ijee.ie/