

## Call for Papers

### CYBCONF 2013 Special Session on

### Affective State Recognition in Human Computer Interaction

#### ASR@HCI

#### Special Session organisers

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#### Call for Papers

Human-Computer interaction (HCI) is defined as the interaction and communication between human users and a computer or machine. The detection and classification of human activities in different modalities (e.g. speech, gestures) has become already an important field in HCI research, and obviously, this technology has great potential for the human control of computer systems. Aside from this, the recognition of human emotion and intentions - also known as "Affective Computing" - is an emerging research topic in HCI, and is definitely one of the most challenging in directions in future HCI research. This special session provides as a forum for researchers and practitioners to summarize the state of the art and to discuss the most recent advances in affective computing.

#### Special Session Topics

Signal processing of emotional data, including body motion/gesture, facial expressions, micro-expressions, speech, and bio-signals such as heart rate, blood pressure, EDA • Detection and classification of emotional states • Multimodal systems in affective computing, including system design, development, information fusion, and evaluation • Databases for affective computing, including data capture design, processing tool development, and validation • Applications of affective computing, e.g. in entertainment, healthcare, learning, medical diagnosis, surveillance, smart environment, and virtual reality.

#### Important Dates

February 20, 2013: Deadline for paper submission

March 10, 2013: Notification

March 20, 2013: Deadline for camera-ready papers

March 20, 2013: Early paper registration deadline

#### Submission

Manuscripts for the special session must be submitted via the online submission system of the CYBCONF 2013 main conference, and will be reviewed by three members of the CYBCONF 2013 program committee. Accepted papers will appear in the conference proceedings, available also on IEEE Xplore only if one of the authors is registered for the conference and if the paper is presented at the conference. Authors of accepted papers are invited to submit an extended version of their work to a special issue on "Pattern recognition methods in HCI" of the Pattern Recognition Letters Journal.