HCI International 2013
15th International Conference
on Human-Computer Interaction
21-26 July 2013, Las Vegas, NV, USA
The Mirage Hotel
www.hcii2013.org

Call for Participation
for an affiliated conference
in the context of HCI International 2013

AC 2013

Seventh International Conference on Augmented Cognition

Chairs: Dylan Schmorrow, USA and Cali Fidopiastis, USA

Augmented Cognition is an emerging field of science that seeks to extend a user's abilities via computational technologies, which are explicitly designed to address bottlenecks, limitations, and biases in cognition and to improve decision making capabilities. The goal of Augmented Cognition science and technology is to develop computational methods and neurotechonology tools that can account for and accommodate information processing bottlenecks inherent in human-system interaction (e.g., limitations in attention, memory, learning, comprehension, visualization abilities, and decision making), and can extend, the information management capacity of individuals working within their dynamically changing, stressful operational environments. The conference objective is to provide an international forum for the dissemination and exchange of scientific information on theoretical, generic, and applied issues of Augmented Cognition.

The HCII 2013 Conference Proceedings will be published by **Springer** in a multi-volume set. Papers will appear in volumes of the LNCS and LNAI series. Extended Poster abstracts will be published in the CCIS series. All volumes will be available on–line through the SpringerLink Digital Library, readily accessible by all subscribing libraries around the world, and will be indexed by a number of services including EI and ISI CPCI-S.

Areas of interest of the AC 2013 Conference include, but are not limited to those listed here:

- Adaptive User Interfaces
- Applications of Augmented Cognition
- Augmented Cognition in Training and Education
- Cognitive Modeling, Perception, Emotion and Interaction
- Data Fusion Techniques for Cognitive and Affective Modeling
- Effects of Stress & Cognitive Load on Performance
- Electroencephalography, Functional Near Infrared Imaging, and Other Brain Activity Measurement
- Machine Learning, Neural Networks Techniques for Data Processing
- Neural and Psychophysiological Correlates of Cognitive State
- Neuroethics
- Operational Neuroscience
- Rehabilitation and Cognitive Aids
- Serious Games & Simulation for Augmented Cognition
- Team Cognition