

Workshop at HCI 2007 - DESIGNING FOR ATTENTION(2)

Workshop at HCI 2007, Lancaster 3 -7 Sept 2007 <http://www.bcs-hci.org.uk/hci2007/>

Call for Contributions <http://ac.aup.fr/roda/attention/HCI2007/>

WORKSHOP SCOPE

This workshop follows the successful 'Designing for Attention' at HCI 2004 which led to a special issue 'Attention aware systems' of the journal *Computers in Human Behavior*. Since then research in attention has moved forward considerably and the time is right to hold a second workshop to bring together current ideas on attention management, attentional interventions and modelling attentional states, using scenarios as a framework within which to describe attention related topics. Due to increased interest in attentional awareness in computer interaction this workshop will be run in conjunction with a sister workshop at Ubicomp 2007 which will focus primarily on scenarios for ubiquitous computing.

As computer systems become more complex and computer based activities proliferate people find themselves alone at the computer carrying out a range of what were originally social activities, for example shopping, learning and collaborating. Group dynamics focus attention, and without them attention can be lost. A significant challenge of human computer interaction research is the design of systems capable of reasoning about users' attention and consequently deciding how to guide it, addressing in particular interruption management / notification optimization, individual versus group interaction, and just-in-time information selection. Adaptation to human cognitive abilities requires a better understanding of the reactive, deliberative, social, and aesthetic processes controlling attention allocation and of how they can be supported by technologies, in order to minimize cognitive load. The workshop is intended to bring together a multidisciplinary group of researchers and commercial providers who are interested in the many different ways in which users' attention can be enhanced at the interface. We take a wide view of attention, including perception and other emotions which increase the user's involvement in their interaction or task. The main focus of the workshop will be attentional functionality embedded in scenarios.

Please see: <http://ac.aup.fr/roda/attention/HCI2007/>

IMPORTANT DATES

June 22 2007 Submissions deadline

July 1st 2007 Notification of acceptance

September 3rd or 4th (date to be confirmed) Workshop

TOPICS OF INTEREST

Topics of interest include, but are not limited to:

- Models of human attention and their application to the design of computing environments;
- User modelling for attention support in computing environments;
- Interruption management;
- How to enhance user involvement;
- Management of attention in collaboration (individual versus group cognitive load optimization);
- Devices coordination aimed at attention management;

- Information tagging for attention management;
- Information visualization for attention management;
- Evaluation strategies and methodologies for attention aware systems;
- Experimental measurements of system-induced cognitive load in computing environments;
- Special devices for tracking attention in computing environments.

WORKSHOP ORGANISERS:

Mary Zajicek - Oxford Brookes University, Oxford, UK

Claudia Roda - American University of Paris, Paris, France

CALL FOR CONTRIBUTIONS

Applicants please send:

- A position paper (max 2000 words)
- Three short scenarios (max 500 words each) illustrating instances of attentional support arising from the topic(s) in your position paper.

The papers and scenarios will be reviewed, and at most 10 papers with scenarios will be selected for oral presentation in the morning of the workshop.

Selected attendees will be invited to submit for review revised versions of their papers for a special journal issue. Given the multidisciplinary nature of the workshop, the journal to be approached will depend upon the topic areas covered by the position papers. We also hope to create a community of researchers working in different areas of attention management .

Please forward the position papers and/or any question about the workshop to the workshop organisers:

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