

# The 2006 Workshop on Computer Assisted Recording, Pre-Processing, and Analysis of User Interaction Data

to be held at the HCI 2006 conference, London, UK  
Tuesday 12<sup>th</sup> September 2006

## CALL FOR PARTICIPATION

### Theme

Although computer-assisted recording, pre-processing and analysis of user interaction behaviour has received continuing research attention over the years, its full potential as a data source to inform the design process seems still unrealised. With technologies such as broadband internet and distributed applications, it is possible to continuously and unobtrusively collect interaction data. This data can relate to keypresses, mouse movements, eye gaze, as well as high-level events such as completing a task. This workshop will explore a number of open questions in this area, including: What is the best way to record and collect interaction data? What kind of computer tools, i.e. algorithms, can we use to filter and separate relevant data from noise? Which types of analysis and measures give us design-relevant insight into the interaction, the users, their interaction problems, their needs, personality, and experience? Traditionally, psychologists, usability experts, ergonomists, etc. have been among the main consumers and users of this type of data and supporting tools. However, making the data and tools easy accessible to designers and software engineers might even more directly impact the quality of the application. Therefore, we shall also explore the implications of this wider applicability of usage data.

### Objective

The main objective of the workshop is to establish a community of researchers with an interest in this area, allowing a lively exchange of ideas and a joint exploration of outstanding problems and potential solutions. Please note that web usage mining in relation to product sales strategies is not within the scope of this workshop.

### Workshop Format

This is a full-day workshop. The morning session will consist of short presentations and discussion of participants' position papers. Participants will also have the opportunity to demonstrate computer-assisted tools they might use or have developed. In the afternoon session, participants will break into small groups depending on their main interest and discuss research questions, unsolved problems, potential solutions and new research directions. At the end of the workshop, the small groups will report back, which will form the basis for a plenary discussion. The intention is also to transform the output of the workshop into a call for a special issue of a journal.

### Participation

To participate in the workshop please submit a position paper with your ideas, work or demo description. The paper may be up to 3 pages long and when accepted will be published on the workshop website. Please use the Word Template provided at <http://disc.brunel.ac.uk/hci2006trackingworkshop/template.doc>.

In advance of the workshop, participants' presentation slides or other material provided will also be made available on the website. Submissions should be emailed to all three workshop organisers.

Please note that registration to the HCI2006 conference is required, at least for the day of the workshop. For details about conference registration, please visit <http://www.hci2006.org/>

### Dates

Although the 31 July deadline for accepting contributions has passed, we are willing to consider late contributions. Please contact the workshop organisers if you intent to make a late submission.

### Deadline dates

31 July 06 – position paper deadline.  
07 Aug 06 – notification of acceptance  
04 Sept 06 – presentation slides deadline  
12 Sept 06 – workshop

(please note that first two deadlines has been changed because of an organisational decision made by the HCI 2006 programme committee)

### Workshop Organisers

Willem-Paul Brinkman (willem.brinkman@brunel.ac.uk), Brunel University  
Philip Gray (pdg@dcs.gla.ac.uk) and Karen Renaud (karen@dcs.gla.ac.uk), University of Glasgow