

## 2nd International Workshop on Formal Methods for Interactive Systems

A Satellite Workshop of HCI 2007

Lancaster, UK - 4th September, 2007

<http://www.dcs.qmul.ac.uk/research/imc/hum/fmis2007/>

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### Organising Institutions

Queen Mary, University of London, UK  
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### Important Dates

**Submission deadline: 17 June 2007**  
Acceptance notification: 20 July, 2007  
Workshop: 4th September, 2007

### Queries to

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### Background and Objectives

Reducing the likelihood of human error in the use of interactive systems is increasingly important: the use of such systems is becoming widespread in applications that demand high reliability due to safety, security, financial or similar considerations. Interactive systems are also becoming increasingly ubiquitous and being used in new and more complex situations. Consequently, the use of formal methods in verifying the correctness of interactive systems should also include analysis of human behaviour in interacting with the interface and with the wider socio-technical system.

The aim of this workshop is to bring together researchers in computer science, cognitive psychology, and other areas of HCI, from both academia and industry, who are interested in both formal methods and interactive system design.

Submitted papers **should address issues of how formal methods can be applied to interactive system design**. Topics of interest include, for example, the development of formal tools, techniques and methodologies based on cognitive psychology results, the development and use of formal user models, case studies applying formal methods to interface design, and formal analysis of the design of the wider socio-technical systems. The scope of HCI issues covered extends to all aspects of applying formal methods to interactive systems, including usability, user experience, human error, etc. We also welcome papers with a focus on theory provided a link to interactive systems is argued.

Application areas considered include but are not limited to: mobile devices, embedded systems, safety-critical systems, high-reliability systems, shared control systems, digital libraries, eGovernment, pervasive systems, augmented reality, ubiquitous computing, and computer security applications.

### Related Conferences

The workshop will be held in conjunction with HCI 2007 ([www.bcs-hci.org.uk/hci2007/](http://www.bcs-hci.org.uk/hci2007/)) and prior to SEFM 2007: the 5th IEEE International Conference on Software Engineering and Formal Methods ([www.iist.unu.edu/SEFM07/](http://www.iist.unu.edu/SEFM07/)) which will be held in London the following week. Participants interested in the themes of FMIS: HCI and formal methods may therefore wish to attend both conferences following the workshop.

### Submission

Submissions to the workshop must not have been published or be concurrently considered for publication elsewhere. All submissions will be peer-reviewed and judged on the basis of originality, contribution to the field, technical and presentation quality, and relevance to the workshop. Papers should be written in English and not exceed 16 pages. Negotiations are in progress to have the proceedings published by Elsevier in the series Electronic Notes in Theoretical Computer Science (ENTCS) as for FMIS 2006. Papers may be accepted for either long or short presentation at the workshop. Papers accepted as short presentations will be published in the participants proceedings at the workshop only, not the full published post-proceedings. Publication of a selection of the papers in a journal special issue is also under consideration.

Detailed information on the submission procedure and formats required will be made available on the workshop website.

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