1st International Workshop on

Formal Methods for Interactive Systems

Macau SAR China - 31 October, 2006

http://fmis.iist.unu.edu/

Organisers

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Paul Curzon, UK

Keynote Speaker

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Sponsors

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EPSRC Human Error Modelling Project, UK

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. 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.

The aim of this workshop is to bring together researchers in computer science and cognitive psychology, from both academia and industry, who are interested in developing formal and semi-formal methodologies and tools for the evaluation and verification of interactive systems. The outcome is to establish a worldwide network of researchers interested in applying formal methods to HCI.

The workshop will focus on, though will not be restricted to, general design and verification methodologies based on cognitive psychology as well as application areas such as

- mobile devices,
- embedded systems,
- safety-critical systems,
- high-reliability systems,
- shared control systems,
- digital libraries,
- eGovernment,
- pervasive systems,
- augmented reality.

The one-day workshop will feature a one hour presentation by a keynote speaker together with contributed papers that will undergo a peer-review process. Contributed papers may be accepted either for full presentation or short presentation.

Publication

Papers accepted as full paper presentations will be published by Elsevier in the series Electronic Notes in Theoretical Computer Science (ENTCS). Papers accepted as short paper presentations will be published in the participants' proceedings at the workshop only. Publication of a selection of the papers in a journal special issue is also under consideration.

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 in ENTCS format.

Detailed information on the submission procedure is available on the conference website. All queries should be sent to: **fmis2006@iist.unu.edu**.

Important Dates

- **Submission deadline: 23 July 2006**
- Acceptance notification: 10 September, 2006
- Final version for the pre-proceedings due: 12 October, 2006
- Final version for the ENTCS proceedings due: 1 December, 2006