

Intelligent User Interfaces for Developing Regions

Workshop in Conjunction with IUI 2008

Canary Islands, Spain

January 13, 2008

<http://research.ihost.com/iui4dr>

Call for Papers

Considering the social, cultural, educational and economic diversity of developing regions, the challenge is to develop appropriate and effective interfaces/interaction techniques that will enable these users to access services that currently remain elusive to them. The focus areas of the workshop include, but are not limited to:

- **Novel and effective interfaces that reduces the cognitive load on the users who usually operate in chaotic environments:**
People in developing regions often would access these interfaces in noisy and crowded surroundings. Providing privacy through the intelligent UI and handling the noise would be a challenge for such interfaces.
- **Interfaces for semi-literate and illiterate users:**
Iconic interfaces, speech-based interfaces and multimodal interfaces offer promising solutions to overcome literacy issues. Any other interface that does not need language skills will be of interest to this workshop.
- **Designs tailored to factor social and cultural issues:**
If an interface technology is culturally not acceptable to a society, it may not have acceptability. So interfaces that reflect the culture of the society are bound to be promising.
- **Shared user interfaces and devices:**
People developing regions seldom own a computing device on an individual basis. Access to applications or services is mainly through kiosks or phones. Most families now own a cell phone that is shared among family members.
- **Cost-effective interfaces:**
Since the purchase power of this society is not high, expensive and sophisticated interfaces may not be the right choice. Intelligent use of cost-effective devices will therefore be more acceptable for this population.

We seek original, unpublished papers in the following three categories: (a) Position papers that describe novel ideas that can lead to interesting research directions, (b) Early results or work-in-progress that has significant promise, or, (c) Full papers. Papers should be of 4-6 pages in length in the IUI publication format. The [LaTeX](#) and [Microsoft Word](#) templates are available at the workshop website. All submissions should be in the PDF format and should be submitted electronically through the [IUI4DR EasyChair Conference site](http://www.easychair.org/iui4dr08) (<http://www.easychair.org/iui4dr08>). Since the submission deadlines are dependent on the IUI conference, we will not be able to grant any extensions in any circumstances.

Since the workshop also aims to be a meeting point for researchers working in this area, atleast one author of accepted papers should attend the workshop to present their work.

Important Dates:

Paper/Demo Submission:	Nov 19, 2007
Paper Notification:	Dec 10, 2007
Camera-ready:	Dec 15, 2007
Early Registration:	Dec 17, 2007

Organisers:

- * Sheetal K. Agarwal, *IBM Research, India*
- * John Canny, *UC Berkeley, USA*
- * Apala Lahiri Chavan, *HFI, India*
- * Nitendra Rajput, *IBM Research, India*

Advisory Committee:

- * Michelle X Zhou, *IBM Research, USA*

Program Committee:

- * Ravin Balakrishnan, *Univ. Toronto, Canada*
- * Michael Best, *Georgia Institute of Technology, USA*
- * Mary Czerwinski, *Microsoft Research, USA*
- * Gary Geunbae Lee, *Pohang University of Science and Technology, Korea*
- * Sougata Mukherjea, *IBM Research, India*
- * Oscar Murillo, *Microsoft, Colombia*
- * Shimei Pan, *IBM T J Watson Research Center, USA*
- * Pearl Pu, *EPFL, Switzerland*
- * Anxo Cereijo Roibás, *Vodafone, UK*
- * Andy Smith, *Thames Valley University, UK*
- * Andrew Thatcher, *University of the Witwatersrand, South Africa*

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