India HCI 2010/ IDID 2010

India HCI 2010/ Interaction Design & International Development
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Indian Institute of Technology, Bombay, Mumbai, India

Editors:

Anirudha Joshi

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Abstract

India HCI in conjunction with the IFIP TC13 Special Interest Group on Interaction Design for International Development (India HCI / IDID 2010) explores the challenges for human-computer interaction design in the setting of emerging economies, in particular India. The conference brings together researchers and practitioners from India, South Asia and worldwide to explore these challenges and to share the latest research.

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Full Synopsis

High quality designs are increasingly important for users, for industry, and for society across the world. India and the other emerging economies have been designing, implementing, using and exporting interactive software, hardware and systems. These settings bring new challenges for human-computer interaction design - of a wide variety of cultures and languages, of different levels of literacy and education, of new sets of users with different experience, attitudes, expectations and capabilities. They also raise issues of designing technology to support social and economic development for marginalised groups, of designing interactive technologies that are not only affordable by the poor but even those that will help in alleviating poverty.

The other perspective is of industrial practice. On the one hand technology companies in India are process conscious, with many CMMI and ISO certificates. On the other, HCI research and practice is still maturing. Challenges are many - of limited number of people with the right HCI skills, of low HCI awareness among the development and marketing, of integrating HCI activities in mainstream software development, of limited contact with the end-users, of the need to develop new techniques to suit this context and of responding to major economic shocks such as the current recession.

India HCI in conjunction with the IFIP TC13 Special Interest Group on Interaction Design for International Development (India HCI / IDID 2010) provides a unique forum to explore these challenges, with contributions relating to areas such as

- HCI in the industry of emerging economies
- HCI contributions in social and economic development
- HCI for products & services in emerging markets, including for mobile systems
- HCI and designs for low-literacy users
- HCI and designs for bottom-of-the-pyramid users
- HCI for remote contexts (international outsourcing / global software development)
- HCI responses to a world in recession

Keynote speakers included Prof. Mary Beth Rosson from Pennsylvania State University, Anurag Gupta from A Little World, Prof. Anil Gupta from IIM Ahmedabad and Prof. Edwin Blake from the University of Cape Town.

Editors

Anirudha Joshi - (IIT Bombay, India), www.idc.iitb.ac.in/~anirudha/

Andy Dearden - (Sheffield Hallam University, UK), <http://teaching.shu.ac.uk/aces/amd/>

Papers:

Indrani Medhi, Ed Cutrell and Kentaro Toyama It's not just Illiteracy

<http://dx.doi.org/10.14236/ewic/IHCI2010.1>

Nikhil Welankar, Anirudha Joshi and Kirti Kanitkar Principles for Simplifying Translation of Marathi Terms in Mobile Phones

<http://dx.doi.org/10.14236/ewic/IHCI2010.2>

Andy Dearden, Haider Rizvi and Subodh Gupta Roles and Responsibilities in agile ICT for Development

<http://dx.doi.org/10.14236/ewic/IHCI2010.3>

Anirudha Joshi Why Designers Do a PhD?

<http://dx.doi.org/10.14236/ewic/IHCI2010.4>

Kumar Sambhav Jain, Prabodh Prakash, Nitendra Rajput and Amit A. Nanavati Conspeakous VoiGen: Creating Context-Aware Voicesites

<http://dx.doi.org/10.14236/ewic/IHCI2010.5>

Cecilia Sik Lanyi and David Joseph Brown Design of Serious Games for Students with Intellectual Disability

<http://dx.doi.org/10.14236/ewic/IHCI2010.6>

Pulkit Goyal, Sapan Diwakar and Anupam Agrawal Devanagari Character Recognition towards natural Human-Computer Interaction

<http://dx.doi.org/10.14236/ewic/IHCI2010.7>

Atish Patel and Ishneet Grover Map-based interaction for inputting in Mobile phones

<http://dx.doi.org/10.14236/ewic/IHCI2010.8>

Rajasee Rege and Shubhada Nagarkar Krishi-Mitra: Case Study of a User-centric ICT Solution for Semi-literate and Illiterate Farmers in India

<http://dx.doi.org/10.14236/ewic/IHCI2010.9>

Rohit Ashok Khot and Kannan SrinathanGoFish: Fishing Thousand Words Worth a Picture

<http://dx.doi.org/10.14236/ewic/IHCI2010.10>

Milind Kaduskar, Vineeth Nair and Anoop Ashok Understanding Mobile Usage in Rural India - '09

<http://dx.doi.org/10.14236/ewic/IHCI2010.11>

Thais Melo and Joyojeet Pal CelGuider: A Low-cost Accessible Geographical Tagging System

<http://dx.doi.org/10.14236/ewic/IHCI2010.12>

Suraj Hattangadi and Mahalakshmi Viswanathan and Suyog Deshpande Moodgroove - Creative expression to your mood

<http://dx.doi.org/10.14236/ewic/IHCI2010.13>

Abhishek Kumar Yahoo! Digits: A Design Driven to Provide Instant 'Data Driven Insights' and its Use in User Experience Design

<http://dx.doi.org/10.14236/ewic/IHCI2010.14>

Andy Smith, Liam Bannon and Jan Gulliksen Localising HCI Practice for Local Needs

<http://dx.doi.org/10.14236/ewic/IHCI2010.15>