

# IUI 2010: ACM International Conference on Intelligent User Interfaces

Hong Kong, China, Feb.7-10, 2010

## Aim

IUI 2010 is the annual meeting of the intelligent interfaces community and serves as the principal international forum for reporting outstanding research and development on intelligent user interfaces.

IUI is where the community of people interested in Human-Computer Interaction (HCI) meets the Artificial Intelligence (AI) community. We're also very interested in contributions from related fields, such as psychology, cognitive science, computer graphics, the arts, etc. Unlike traditional AI, our focus is not so much to make the computer smart all by itself, but to make the interaction between computers and people smarter. Unlike traditional HCI, we're more willing to consider solutions that involve large amounts of knowledge and emerging technologies such as natural language understanding, brain computer interfaces or gesture recognition.

## Topics

We call for original papers that describe novel technologies and applications to intelligent user interfaces. Long/short paper submission deadline: Sept. 25, 2009

### User input

Processing of multimodal input  
Natural language and speech processing

### Generation of system output

Intelligent visualization tools  
Intelligent generation of multimedia presentations

### Ubiquitous computing

Intelligent interfaces for ubiquitous computing  
Smart environments

### Help

Intelligent assistants for complex tasks  
Support for collaboration in multiuser environments  
Intelligent information and knowledge management

### Categories of intelligence

Novel intelligent interfaces  
Affective, social and aesthetic interfaces  
User-adaptively in interactive systems  
Personalization and recommender systems  
Modeling and prediction of user behavior  
Planning and plan recognition

### IUI Design

Knowledge-based approaches to user interface design and generation  
Proactive and agent-based paradigms for user interaction  
Example- and demonstration-based interfaces

### User studies

User studies concerning intelligent interfaces  
Evaluations of implemented intelligent user interfaces

## Conference Venue

IUI 2010 will be held in Hong Kong, China, in February 2010. Situated at the southeastern tip of China, Hong Kong is ideally positioned at the centre of rapidly developing East Asia. Hong Kong's population is about 7 million. Hong Kong has a bustling economy highly dependent on international trade and the world's greatest number of skyscrapers, at 6,439. It is one of the world's freest economies with many world-class universities. It is frequently described as a place where East meets west, reflecting the culture's mix of the territory's Chinese roots with the culture brought to it during its time as a British colony. It also is a place which offers superb cuisine from around the world and an infinite choice of restaurants.

## Conference Organization

*General Chairs:* Qiang Yang (Hong Kong U. of Sci. & Tech.), Charles Rich (Worcester Polytechnic Inst., USA).

*Program Chairs:* Michelle Zhou (IBM), Marc Cavazza (U. of Teesside, UK).

*Local Arrangement Chairs:* Wenyin Liu (City U. of Hong Kong), Philips F.L. Wang (City U. of Hong Kong)

*Treasurer:* Huamin Qu (Hong Kong U. of Sci. & Tech.)