



# Call for Participation – IUI'2012

## 17th ACM International Conference on Intelligent User Interfaces IUI

Lisbon, Portugal, February 14-17, 2012

<http://www.iuiconf.org>

### IMPORTANT DATES

Long paper abstracts: October 18, 2011

Long, short & doctoral session paper submissions:  
October 21, 2011

Author rebuttal phase: December 3-7, 2011

Notification of paper acceptance: December 15, 2011

Camera-ready papers due: January 5, 2012

Workshop proposal due: September 16, 2011

Demonstration and Doctoral Consortium submissions  
due: November 15, 2011

Electronic submissions and detailed information via  
conference web site at: <http://www.iuiconf.org>

### GENERAL CONFERENCE CO-CHAIRS

Carlos Duarte, Univ. of Lisbon, Portugal

Luis Carriço, Univ. of Lisbon, Portugal

### PROGRAM COMMITTEE CO-CHAIRS

Daniel Gonçalves, INESC-ID, Portugal

Joaquim Jorge, INESC-ID, Portugal

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### TREASURER

Lawrence Bergman, IBM Watson Labs, USA

### LOCAL ARRANGEMENTS CO-CHAIRS

André Falcão, Univ. of Lisbon, Portugal

António Ferreira, Univ. of Lisbon, Portugal

IUI is sponsored by ACM SIGART and ACM SIGCHI

Intelligent User Interfaces (IUI) is the premier international conference for bringing together researchers from academia, nonprofit organizations, industry and practitioners of the trade, who are working on Novel Interaction and Intelligent Interfaces, including related empirical studies and technologies. IUI 2012 will be held in Lisbon, Portugal, February 14-17 2012. We invite original long (10 page) and short paper (4 page) submissions that describe novel user interfaces, applications, interactive and intelligent technologies, empirical studies, and design techniques. Accepted proceeding papers will be published in ACM's Digital Library. IUI especially encourages submissions on innovative and visionary new concepts or directions for interface design, giving preference to research reports with accompanying evaluations.

New this year:

- Student Doctoral Consortium and travel stipends
- "Highlights of IUI" special papers session: Past seminal or conceptually groundbreaking research in an IUI research area, which has had a major intellectual or societal impact, will be represented in a special paper session

**Submission site:** <https://precisionconference.com/~sigchi>

**Submissions should be anonymous!**

**Formatting instructions** from SIGCHI, available at: <http://chi2012.acm.org/cfp-formatting-instructions.shtml#archiveformat>

Submission of a **video** accompanying your paper is optional, but highly encouraged. Follow the [video guide](#), as well as the [video requirements](#) for more details.

**Major Topics of Interest to IUI include:** Intelligent interactive interfaces, systems, and devices, Ubiquitous interfaces, Smart environments and tools, Human-centered interfaces, Mobile interfaces, Multimodal interfaces, Pen-based interfaces, Spoken and natural language interfaces, Conversational interfaces, Affective and social interfaces, Tangible interfaces, Collaborative multi-user interfaces, Adaptive interfaces, Sensor-based interfaces, User modeling and interaction with novel interfaces and devices, Interfaces for personalization and recommender systems, Interfaces for plan-based systems, Interfaces that incorporate knowledge- or agent-based approaches, Help interfaces for complex tasks, Example- and demonstration-based interfaces, Interfaces for intelligent generation and presentation of information, Intelligent authoring systems, Synthesis of multimodal virtual characters and social robots, Interfaces for games and entertainment, learning-based interactions, health informatics, Empirical studies and evaluations of IUI interfaces, New approaches to designing Intelligent User Interfaces, and related areas.

**Background on IUI Content:** IUI represents a community of people interested in human-computer interaction, intelligent processing and interfaces that leverage artificial intelligence techniques. IUI is interested in multidisciplinary insights from related fields that shed light on the nature of human tool use and the future of interface design, including psychology, education, linguistics/communications, anthropology, interaction design and media arts, computation/engineering, and related areas. IUI researchers are interested in improving the symbiosis between humans and computers, so that interface design and interactive experiences yield higher performance outcomes. This may involve designing interfaces that incorporate intelligent automated capabilities, if the net impact is a human-computer interaction that improves performance in critical ways. It may also involve designing an interface that effectively leverages human skills and capabilities, so that human performance with an application excels. In other cases, such as educational interface design, it may involve exercising judgment in when not to automate a function so that humans are encouraged to exert themselves as they acquire new skills or domain knowledge.



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