



## Call for Papers



# 6th ACM/IEEE International Conference on Human-Robot Interaction (HRI 2011)

March 6-9, 2011, Lausanne, Switzerland

<http://www.hri2011.net>

HRI 2011 is the 6th Annual Conference for basic and applied human-robot interaction research. Scientists from across the world submit their best work and attend HRI to hear the latest theories, data, and videos from the world's best HRI researchers. Each year, the HRI conference highlights a particular area. The theme of HRI 2011 is **Real World HRI**. This theme is intended to highlight HRI in which basic scientific research is further tested in real world settings or applied to questions that arise in real world settings. One central aspect of this type of research, in contrast to other realms of applied research, is that it is theoretically driven and feeds back to our theoretical understandings. As such, real world research fortifies our understanding of people, robots, and interaction between the two.

HRI is a single-track, highly selective annual international conference that seeks to showcase the very best interdisciplinary and multidisciplinary research in human-robot interaction with roots in social psychology, cognitive science, HCI, human factors, artificial intelligence, robotics, organizational behavior, anthropology and many more, and we invite broad participation.

### General Chairs:

Aude Billard, *EPFL*  
Peter Kahn, *Univ. of Washington*

### Program Chairs:

Julie A. Adams, *Vanderbilt Univ.*

Greg Trafton, *US Naval Research Laboratory*

### Workshop/Tutorials Chairs:

Adriana Tapus, *ENSTA – ParisTech*  
Kerstin Dautenhahn, *Univ. of Hertfordshire*

### Late-Breaking Reports Chairs:

Cindy Bethel, *Yale Univ.*  
Miguel Salichs, *Univ. Carlos III*

### Publication Chairs:

Henriette Cramer, *Mobile Life Centre*

### Finance Chairs:

Matthew Johnson, *IHMC*  
Sylvain Calinon, *IIT & EPFL*

### Local Arrangements Chair :

Brenna Argall, *EPFL*

### Publicity Chairs:

Vanessa Evers, *Univ. of Amsterdam*  
Dong-Soo Kwon, *KAIST*  
Hideaki Kuzuoka, *Univ. of Tsukuba*

### Video Session Chairs:

Jacob Crandall, *MASDAR Inst.*  
Martin Saerbeck, *A\*STAR*

### Fundraising Chair:

Jennifer Burke, *SA Technologies*

### Design Chair:

Bilge Mutlu, *Univ. of Wisconsin-Madison*

### Full Papers

Authors are invited to submit manuscripts in PDF (Adobe Acrobat) format for full and short papers. Eight camera ready pages including figures are allowed for each full paper. Accepted full papers will be published in the conference proceedings, archived in the ACM Digital Library, and be presented in an oral session.

### Late Breaking Reports

Authors are encouraged to submit their late-breaking results for short papers. Two pages are allowed for each short paper. Accepted short papers will be presented as a poster, but will be published in the conference proceedings.

### Video Session

We invite videos related to all aspects of HRI. Besides the importance of the lessons learned and the novelty of the situation, the entertainment value will be judged. The video itself must be self-explanatory for the audience. The videos will be published in the conference proceedings and archived in the ACM Digital Library.

### Tutorials and Workshops

Proposals are sought from those wishing to organize a Tutorial or a Workshop on a HRI-related theme. Tutorials and Workshops will be held on March 7, one day before the main technical sessions.

### Exhibitions

There will be an exhibition site at the conference and promoters are encouraged to display state-of-the-art products and services in all areas of robotics and human-robot interaction.

### Conference Topics

Socially intelligent robots	User studies of HRI
Robot companions	Experiments on HRI collaboration
Lifelike robots	Ethnography and field studies
Assistive (health & personal care) robotics	HRI software architectures
Remote robots	HRI foundations
Mixed initiative interaction	Metrics for teamwork
Multi-modal interaction	HRI group dynamics
Long term interaction with robots	Individual vs. group HRI
Awareness and monitoring of humans	Robot intermediaries
Task allocation and coordination	Risks such as privacy or safety
Autonomy and trust	Ethical issues of HRI
Robot-team learning	Organizational/society impact

### Important Dates

**22 September 2010: Submission of full papers and tutorial/workshop proposals**

**12-16 November 2010: Rebuttal Period**

**15 December 2010: Notification of full paper acceptance**

**22 December 2010: Submission of late breaking reports and videos**

**4 January 2011: Notification of late breaking reports and videos**

**6 January 2011: Final camera-ready full papers due**

**10 January 2011: Final camera-ready late breaking reports and videos due**