



Call for Papers

2007 ACM/IEEE International Conference on Human-Robot Interaction (HRI 07)

March 9-11, 2007, Washington DC

<http://www.hri2007.org>; hri2007@aic.nrl.navy.mil

Robot as Team Member

Robots are, or soon will be, used in such critical domains as search and rescue, military battle, mine and bomb detection, scientific exploration, law enforcement, and hospital care. Such robots must coordinate their behaviors with the requirements and expectations of human team members; they are more than mere tools but rather quasi-team members whose tasks have to be integrated with those of humans. The Second Annual Conference on Human-Robot Interaction is dedicated to these and other issues in human and robot interaction (HRI). The theme of HRI 07, **Robot as Team Member**, highlights the importance of building core science and understanding the social and technical issues in human-robot interaction in the context of teams and groups. HRI 07 is an interdisciplinary conference with roots in psychology, cognitive science, HCI, human factors, artificial intelligence and robotics, and we invite broad participation. This annual event will be held in March 2007 in Washington DC.

<i>General Co-Chairs</i>		<i>Program Co-Chairs</i>	
Cynthia Breazeal	Alan Schultz	Sara Kiesler	Terry Fong
MIT Media Lab	Naval Research Laboratory	Carnegie Mellon University	NASA Ames Research Center
Tel.: +1 (617) 452-5601	Tel. +1 (202) 767-2684	Tel.: +1 (412) 268-2888	Tel.: +1 (650) 604-1349
cynthiab@media.mit.edu	schultz@aic.nrl.navy.mil	kiesler@cs.cmu.edu	terry.fong@nasa.gov

Exhibitions Chair

Holly Yanco,
University of
Massachusetts Lowell

Finance Chair

Julie A. Adams,
Vanderbilt University

Local Arrangements

Dennis Perzanowski,
Naval Research
Laboratory

Publicity Co-Chair

René dePontbriand,
US Army Research
Laboratory

Publicity Co-Chair

François Michaud,
Université de Sherbrooke

Registration Co-Chair

Candace Sidner,
Mitsubishi Electric
Research Laboratories

Registration Co-Chair

Marjorie Skubic,
University of Missouri-
Columbia

Tutorials Chair

Samuel Blisard,
University of Missouri-
Columbia

Paper Submission

Authors are encouraged to submit their papers electronically in PDF (Adobe Acrobat) format. Eight camera-ready pages including figures are allowed for each paper. Detailed instructions for paper submissions are available on the conference web site: <http://www.hri2007.org>. Full paper reviews will be conducted. All accepted papers will be published in the conference proceedings. The paper will be assigned for either full or poster presentation.

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 interaction. Reservations for space and further information may be obtained from the Exhibitions Chair and on the conference web site.

Topic Suggestions

User studies of HRI	Robot intermediaries
Experiments on HRI collaboration	Lifelike robots
Ethnography and field studies	Remote robots
Metrics for teamwork	HRI communication
Mixed initiative interaction	Robot-team learning
HRI foundations	Assistive robotics
Multi-modal interaction	Risks such as privacy or safety
Autonomy and trust	Individual vs. group HRI
HRI group dynamics	Organizational/society impact
HRI software architectures	Awareness and monitoring of humans
Task allocation and coordination	Implicit dialogue

Important Dates

August 31, 2006 Submission of papers, videos, and invited sessions

November 12, 2006 Notification of acceptance

January 4, 2007 Final camera-ready papers due

