

Dear All,

Due to multiple requests the deadline for submitting a paper to HRI 2014 workshop on Attention Models in Robotics: Visual Systems for Better HRI (see below) is extended to January, 25 2014.

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Call for Papers

HRI 2014: half-day workshop on

Attention Models in Robotics: Visual Systems for Better HRI

http://workshops.acin.tuwien.ac.at/HRI2014_AttentionModelsForRobotics/

03 March 2014, Bielefeld, Germany

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Attention is a concept of human perception that enables human subjects to select the potentially relevant parts out of the huge amount of sensory data and that enables interactions with other human subjects by sharing attention with each other. These abilities are also of large interest for autonomous robots, therefore, interest in modeling concepts of human attention computationally has increased strongly in the robotics community during the last decade. Especially in human-robot interaction, the ability to detect what a human partner is attending to and to act in a similar way to enable intuitive communication, are important skills for a robotic system. Still, there exists a gap in knowledge transfer between researchers in human attention and robotic researchers with their specific, often task-related, problems. Both communities can mutually benefit from each other by sharing ideas. In the workshop, researchers in visual and multi-modal attention can profit from the rapidly growing field of robotics, which offers new and challenging research questions with very concrete applicability to challenging problems. Robotic researchers can learn how to integrate attention to support natural and real-time HRI.

Submissions

Submissions for Full Papers are due on Saturday, January 25, 2014 by 11:59:59 PDT. Send your paper to potapova@acin.tuwien.ac.at with topic [HRI2014 Workshop: Attention Models in Robotics].

Formatting

All papers for the workshop must conform to ACM SIG Proceedings specifications.

- [Templates](#) are available for Word, Word Perfect and LaTeX2e.
- Page limit is 6 pages (including figures and references).
- All papers must be submitted in PDF format.
- Review is single-blind.

Topics:

- Bottom-up attention and saliency
- Top-down attention and visual search
- Multi-modal attention and sensor fusion
- Joint and shared attention
- Application of attention in HRI

All position papers must be submitted in PDF format and conform to conference proceedings specifications. We will accept papers up to 6 pages long. We encourage submissions with both original work and work that has been already presented at another venue. Each paper will be assigned at least two reviewers. The paper will be evaluated based on the relevance to the workshop topic, technical soundness and significance to the community. We support submissions with both a strong technical contribution and well-described/evaluated integration in working systems. Selected papers will be grouped into two sessions, in order to organize the discussion thematically.

Important Dates

- ~~20 January 2014~~, **25 January 2014**, Position paper submission
- 30 January 2014, Notification of acceptance
- 03 March 2014, Workshop at HRI 2014

Organizing Committee

Michael Zillich (Vienna University of Technology, Austria)
Simone Frintrop (University of Bonn, Germany)
Fiara Pirri (University of Rome, Italy)

Ekaterina Potapova (Vienna University of Technology, Austria)
Markus Vincze (Vienna University of Technology, Austria)