

International Workshop on Vision Based Human-Robot Interaction

held in conjunction with EUROS-2006
 Palermo, Italy on March 18, 2006



Palermo, Sicily

Scope of the Workshop (<http://paloma.isr.uc.pt/~hri06/>)

The emerging field of *Human-Robot Interaction* (HRI) represents an interdisciplinary effort that addresses the need to integrate social informatics, human factors, cognitive science and usability concepts into the design and development of a social robot. One of the main challenges of a social robot is to perceive the world as humans do. Besides, social robot must proficiently interpret human activity and behaviour.

The vision system of a social robot is the responsible of solve tasks like identifying faces, measuring head and hands poses, capturing human motion, recognizing gestures and reading facial expressions to emulate human social perception. The aim of this workshop is providing an opportunity for researchers to discuss the state-of-art, to share their new ideas, original results and practical experiences.

Contributions are sought describing research on visual based human-robot interaction. Therefore, recommended topics include but are not restricted to:

- Face detection and recognition
- Gesture recognition
- Human behaviour capture and imitation
- Biologically inspired social robot model
- Vision system architecture
- Assistive robotics
- Human-guided learning
- Visual attention mechanism

Important dates

30 January 2006	Submission of full papers
27 February 2006	Notification to authors

An extended version of the accepted papers will be further reviewed for a special issue of STAR Springer series. Paper must be formatted using Springer style (for more details, see www.euron.org/euros06/cfp.html).

For additional information you can use the official workshop web page <http://paloma.isr.uc.pt/~hri06/>.

Please make submissions by email to all of the following organizers of this workshop:

Francisco Sandoval Hernández

Dpto. Tecnología Electronica
 E.T.S. Ing. Telecomunicacion
 Universidad de Malaga
 Campus de Teatinos, 29071 Malaga - Spain
 Tel: +34 952 131 362
 Fax: +34-95.213.14.47
 Email: sandoval@dte.uma.es

Jorge Miranda Dias

Institute of Systems and Robotics,
 DEEC
 Polo 2 – Universidade de Coimbra
 3030-290 Coimbra (Portugal)
 Tel: +351 239 796 219
 Fax: +351 239 496 672
 Email: jorge@isr.uc.pt