Call for Papers
The 4th International Cognitive Robotics Workshop

http://www.ida.liu.se/~patdo/cogrob04/

Co-Located with ECAI 2004
August 23/24, 2004
Valencia, Spain

Workshop Description:

Research in robotics has traditionally emphasized low-level sensing and control tasks including sensory processing, path planning, and manipulator design and control. In contrast, research in *cognitive robotics* is concerned with endowing robots and software agents with higher level cognitive functions that enable them to reason, act and perceive in changing, incompletely known, and unpredictable environments. Such robots must, for example, be able to reason about goals, actions, when to perceive and what to look for, the cognitive states of other agents, time, collaborative task execution, etc. In short, cognitive robotics is concerned with integrating reasoning, perception and action with a uniform theoretical and implementation framework. Combining results from the traditional robotics discipline with those from AI and cognitive science has and will continue to be central to research in cognitive robotics.

This workshop aims to bring together researchers involved in all aspects of the theory and implementation of cognitive robotics, to discuss current work and future directions. While all aspects of cognitive robotics are of interest to the workshop, we especially welcome discussions and demonstrations of implemented systems.

Submission information

Potential participants are invited to submit either

- a technical paper (extended abstract)
- an overview on their ongoing research,
- a position paper,
- a statement of interest,
- or a description of an implemented system that the authors are willing to demonstrate at the workshop.

For the sake of uniformity, all technical papers should follow the ECAI 2004 style guide and should be no longer than 5 pages in camera ready PDF format. Author names should be included. Please refer to the ECAI style guide for details. (See workshop homepag: submission).

Others wishing to attend should submit a 1-2 page description of their work or interest in this area (including a short list of related publications). This may include specific questions and issues that they feel should be addressed. Proposals of panels on specific issues are also welcome.

Authors who would like to participate in systems demonstrations (either live, simulated, or video-taped) should indicate their audio-visual and/or computer needs at the time of submission.

If the quality of the submissions is sufficiently high, we may look into the possibility of publishing extended versions of selected articles in a special journal issue.

All submissions must arrive by May 10, 2004. Only electronic submissions will be accepted and all papers must be in PDF format.

All submissions should be sent to patdo@ida.liu.se

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Important Dates

Submission Deadline:	May 10, 2004
Notification of Acceptance:	May 26, 2004
Submission of camera ready copies	June 6, 2004

Organizers

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