

Track Program Committee

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Call for Papers

Track 7. INTELLIGENT ROBOTS AND SYSTEMS

Track co-Chairs

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Topics within the scope of the track:

Intelligent robots and intelligent embedded systems are spreading from the factory floor to human living environments, such as museums, hospitals, homes and urban environments. This new generation of robotic systems promises to revolutionize the relation between people and technology. This ETFA'2010 track on Intelligent Robots and Systems aims to gather researchers reporting recent results in the development of robots actually deployed for real-world applications, robot prototypes, intelligent embedded systems, applications of artificial intelligence, cognitive science and signal processing in robotics, as well as usability studies. Researchers are specially encouraged to submit papers emphasizing the integration of different capabilities in either a single or in a distributed robotic system. The topics of the track include, but are not limited to:

- Cognitive robotics
- Cooperative and collaborative robotics
- Distributed robotic architectures
- Human-robot interaction
- Integrated intelligence
- Intelligent robot assistants
- Intelligent embedded systems
- Natural language grounding
- Network robotics
- Perception, control and manipulation for intelligent robots and systems
- Planning and failure recovery
- Reasoning under uncertainty
- Robot learning
- Robot vision
- Usability studies

Submission of Papers: The working language of the conference is English. Two types of submissions are solicited. Long Papers – limited to 8 double column pages in a font no smaller than 10-points. Work-in-Progress and Industry practice – limited to 4 double column pages in a font no smaller than 10-points. Manuscripts must be submitted electronically in PDF format, according to the instructions contained in the Conference web site

Best Paper Award: Best paper awards in Factory Automation and Emerging Technologies will be presented at the conference banquet dinner. Authors of outstanding papers will be invited to submit a revised version of their papers for publication in a special section in IEEE Transactions on Industrial Informatics.

Further Information: ETFA'10 Conference Secretariat: Tel: +34 94 601 4048; Fax: +34 94 601 4187; Email: contact@etfa2010.org

Paper Acceptance: Each accepted paper must be presented at the conference by one of the authors. The final manuscript must be accompanied by a registration form and a registration fee payment proof. All conference attendees, including authors and session chairpersons, must pay the conference registration fee, and their travel expenses.

Author's Schedule:

<i>Deadline for submission of long and special sessions papers:</i>	March 15, 2010
<i>Notification of acceptance of long and special sessions papers:</i>	May 9, 2010
<i>Deadline for submission of work-in-progress papers and Industry practice:</i>	May 24, 2010
<i>Notification of acceptance of work-in-progress papers and Industry practice:</i>	July 1, 2010
<i>Deadline for submission of final manuscripts – regular and special sessions:</i>	June 17, 2010
<i>Deadline for submission of final manuscripts – work-in-progress papers and Industry practice:</i>	July 14, 2010