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Schedule of the ISR 2009 and related events

Tue. 10/03	Wed. 11/03	Thu. 12/03	Fri. 13/03	Sat. 14/03
ISR Technical conferences			ISR Technical Tour	Touristic Tour
MAQUITEC				

AENOR

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Call for papers



ISR BARCELONA MARCH 10-13, 2009

40th International Symposium on Robotics

ABB adept FANUC ROBOTICS KUKA MOTOMAN SCHUNK STAUBLI

THE INDUSTRIAL FAIR 2009

www.isr09.com

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Organized by



Presentation

The Asociación Española de Robótica y Automatización Tecnologías de la Producción (AER-ATP) organizes the 40th International Symposium on Robotics (ISR 2009) that will be held on March 10-13, 2009 in Barcelona, Spain.

ISR2009 will be a key event for the Robotics community, because it represents a meeting point for all scientific, technical and industrial topics related to robotics. One of the most relevant aims is that ISR 2009 creates an opportunity for old friends and colleagues to get together, and more important, to become acquainted with new peers from this field.

The purpose of ISR 2009 is to provide opportunities for researchers and engineers worldwide to present their pioneering works and to share ideas in the fields of Robotics. The Symposium will offer five kinds of sessions: scientific-technical, industrial, successful technology transfers, new product and research funds opportunities. Along these sessions the latest advances and discoveries, with the main reference figures and the most influential associations and companies, will be presented.

Furthermore, ISR 2009 will be held in parallel with **MAQUITEC** Fair, an important exhibition for all Industrial Metallurgy Sector that offers the latest trends and innovations, the largest international offer and the participation of the most important exhibitors and visitors with buying power. Also, **MAQUITEC** represents an open platform for professional debate, and it offers a wide programme of activities and technical workshops to reflect on the industry's present and future.



Symposium topics

Contributions related, but not limited, to the following topics of interest will be welcome.

- 1. Industrial robots**
 - Robot improvements
 - Robot programming and languages
 - Intelligent manufacturing systems
 - Safety and reliability
 - New applications
- 2. Service robotics**
 - Field robotics
 - Home robotics
 - Rescue, surveillance and defense robotics
 - Rehabilitation robotics
 - Entertainment robotics
 - New service robotics
- 3. Biological inspired robotics**
 - Humanoids
 - Biomimetics
 - Legged robots
- 4. Human-Robot interaction**
 - Virtual and augmented reality
 - Telerobotics
 - Haptics
 - Oral and gestured communication
- 5. Micro/nano robotics**
 - Micro and nano sensors and actuators
 - Micro and nano robots
 - Applications
- 6. Cognitive robotics**
 - Artificial Intelligence
 - Learning and adaptive systems
 - Network and ubiquitous robotics
- 7. Mobile robotics**
 - Navigation
 - SLAM
 - Aerial robotics
 - Underwater robotics
- 8. Modeling and control**
 - Mechanisms and kinematics
 - Control algorithms
 - Calibration and identification
- 9. Planning in robotics**
 - Motion planning
 - Grasp and manipulation planning
 - Task planning
- 10. Sensors and components**
 - Vision, tactile, auditory sensors
 - Visual servoing and tracking
 - Sensor network
- 11. Education robotics**
 - Educational tools
 - Training in robotics
- 12. Economic, social and environmental issues**
 - International standards
 - Robots and the environment
 - Strategic and financial management issues
 - Working conditions and safety
 - Strategic and financial management issues

Contributions

Prospective authors should submit their contributions electronically (www.isr09.com) in PDF (written in English and prepared for DIN A4 sheets) in any of the following ways:

a) **Extended abstract** of no less than three pages, single column, 11 pt fonts (it may include equations and figures).

b) **Draft paper:**

- b1) in free format (no more than ten pages, single column), or
- b2) in the final paper format

With independence of the submission way, in case of being accepted the final paper is allowed six pages in double column according to the format given in the symposium website www.isr09.com, where directions for the submission process are also provided.

Accepted papers will be included in the symposium proceedings.

Important dates

Deadline for contribution submission	July 15, 2008
Notification of preliminary acceptance	October 15, 2008
Deadline for final paper submission	November 30, 2008
Notification of definitive acceptance	December 30, 2008

