



ICIRA2009

Second International Conference on Intelligent Robotics and Application

16 – 18 December, 2009
Singapore

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Call for Papers

The market demands for skills, knowledge and personalities have positioned robotics to be one important field in both engineering and science. In order to meet these challenging demands, robotics has already seen its success in automating many industrial tasks in factories. And, a new era will come for us to see a greater success of robotics in non-industrial environments. In order to anticipate a wider deployment of intelligent and autonomous robots for tasks such as manufacturing, eldercare, homecare, edutainment, search and rescue, de-mining, surveillance, exploration, and security missions, it is necessary for us to push the frontier of robotics into a new dimension, in which motion and intelligence play equally important roles.

The emphasis of this year's conference is on "Robot intelligence for achieving digital manufacturing and intelligent automations".

ICIRA2009 conference welcomes contributions of quality papers presenting new research, new applications, and new technological developments at the hardware and/or software levels for intelligent and autonomous robots.

In general, the topics of interest for the 2nd International Conference on Intelligent Robotics and Applications include, but are not limited to:

Topics of Interest (non-exhaustive list)

RESEARCH

- Robot Intelligence
- Robot Cooperation
- Human-Robot Interaction
- Robot Mechanism and Design
- Robot Simulation
- Robot Motion Analysis
- Robot Motion Planning
- Robot Motion Control
- Robot Sensors and Actuators
- Robot Vision and Systems
- Robot Learning
- Robot Linguistics
- Robot Grasping
- Robot Manipulation
- Robot Legged Locomotion
- Robot Wheeled Locomotion
- Robot Tele-operation

APPLICATION

- Digital Manufacturing
- Autonomous Vehicles
- Robots for Construction
- Robots for Inspection
- Robots for Agriculture
- Robots for Education
- Robots for Eldercare
- Robots for Homecare
- Robots for Security
- Robots for Planetary Exploration
- Robots in Biomedical Fields
- Robots for Rehabilitation
- Robots for Entertainment
- Robots in Surveillance
- Robots in Defense
- Robots for Mobility

Important Dates

Submission of Papers: 15 June 2009
Paper Acceptance: 15 August 2009
Submission of Final Papers: 15 September 2009
Early Bird Registration: 30 September 2009
Technical Program: 30 September 2009
Conference: 16 – 18 December 2009

Conference proceedings will be published in Springer's Lecture Notes in Artificial Intelligence. All published papers will be indexed in EI.

For further details, visit:
<http://icira2009.robotics.sg>

