



ICIRA2009

Second International Conference on Intelligent Robotics and Application

16 – 18 December, 2009
Singapore

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>

General Chairs:

Ming Xie (NTU, Singapore)
 Youlun Xiong (HUST, China)

Program Chairs:

Caihua Xiong (HUST, China)
 Honghai Liu (Univ. of Portsmouth, UK)
 Zhencheng Hu (Kumamoto U., China)

Program Co-Chairs:

Ming Li (NSFC, China)
 Guobiao Wang (NSFC, China)
 Juergen Leopold, (Fraunhofer, Germany)
 Zhaohui Wu (Zhejiang U., China)

International Advisory Committee:

Manuel Armada, Spain
 Minoru Asada, Japan
 Hegao Cai, China
 Rudiger Dillmann, Germany
 Jean-Guy Fontaine, Italy
 Christian Freksa, Germany
 Toshio Fukuda, Japan
 Norihiro Hagita, Japan
 Huosheng Hu, UK
 Oussama Khatib, USA
 Mark Lee, UK
 Peter Luh, USA
 Grigory Panovko, Russia
 Shigeiki Sugano, Japan
 Susumu Tachi, Japan
 Atsuo Takahashi, Japan
 Gurbinder Virk, New Zealand
 Miodir Vukobratovic, Serbia
 Michael Wang, China
 Tianmiao Wang, China
 John Weng, USA
 Lotfi Zadeh, USA

International Program Committee:

Abdel Aitouche, France
 Kaspar Althofer, UK
 Marcelo Ang, Singapore
 Mario R. A. Saavedra, Spain
 H. Levent Arkin, Turkey
 Philippe Bidaud, France
 Roland Chapuis, France
 Hui Chen, China
 Jean-Daniel Dessimoz, Switzerland
 Hua Deng, China
 Han Ding, China
 Frank Dylla, Germany
 Gary Feng, China
 Luigi Fortuna, Italy
 Yili Fu, China
 Dongbing Gu, UK
 Yongqiang Guo, Singapore
 Loulin Huang, New Zealand
 Makoto Itoh, Japan
 Yunde Jia, China
 Rolf Johansson, Sweden
 Shin Kato, Japan
 Kazuhiko Kawamura, USA
 Naoyuki Kubota, Japan
 Duanling Li, China
 Yangmin Li, China
 Youfu Li, China
 Kianguan Lim, Singapore
 Yonghuai Liu, UK
 Benny Lo, UK
 Chu Kiong Loo, Malaysia
 Jiangzhou Lu, Singapore
 Qinggang Meng, UK
 Rezia Molfino, Italy
 Sergiu Nedevschi, Romania
 Aipeng New, Singapore
 Lilian Ngiam, Singapore
 Rainer Palm, Germany
 Jee-Hwan Ryu, South Korea
 Andy Russell, Australia
 Jon Selig, UK
 Yandong Tang, China
 Yantao Tian, China
 Diedrich Wolter, Germany
 Yugeng Xi, China
 Erfu Yang, UK
 Zhijun Yang, UK
 Zhouping Yin, China
 Changjiu Zhou, Singapore
 Limin Zhu, China

Publicity Chairs:

Haoyong Yu, Singapore
 Zhaowei Zhong, Singapore
 Shiqi Li, China
 Yongan Huang, China

