ICR2013 The 4th Israeli Conference on Robotics

The Israeli Conference on Robotics (ICR) is a biennial meeting,intended to provide a forum for Israeli and foreign researchers and engineers from industry and academia to discuss and exchange ideas on contemporary topics in robotics and automation. It is also intended to encourage local and international collaborations,and foster a viable robotics industry in Israel. S pecific goals of ICR2013 are to promote robotics as a field of national priority, to promote innovation and support entrepreneurs in the robotics field, to promote robotics education, and to encourage the use of robotics and automation in the traditional industries, in agriculture, and in assisting the elderly population. The conference
organization is lead by a steering committee that consists of senior representatives from industry and academia.

ICR2013 will host ISRACAS' 2013, the 15th Israeli Symposium on Computer-Aided Surgery, Medical Robotics, and Medical Imaging.

The scientific program will include plenary talks on the current state of robotics worldwide, a panel discussion on the development of the robotics industry in Israel, an entrepreneurs forum, and presentations of contributed and invited papers in several technical tracks.

The scope of the conference covers topics that range from theoretical developments to industrial applications and emphasize current interests of the local robotics community and perceived needs of the Israeli industry and economy.

Topics include, but are not limited to:

Service robots
Medical robots
Robotics Education
Robots in agriculture
Security and defense applications
Microrobots
Biologically inspired systems
Autonomous vehicles
Multirobot systems

Automated manufacturing
Navigation and motion planning
Perception
Localization and mapping
Machine Vision
Robot dynamics and control
Robot design

IMPORTANT DATES
Potential contributors are requested to submit short abstracts of up to 2000 characters on any of the topics covered by the ICR conference before **May 31, 2013**.

Authors of accepted abstracts will be requested to submit a camera-ready single-page abstract before **August 31, 2013**.
The submission of a full-length paper is encouraged. The accepted abstracts and papers will be published on a CD of the proceedings.

Submission instructions: Abstracts should be submitted to CMT:
 https://cmt.research.microsoft.com/ICROB2013

Follow instructions on the conference web site: www.icr2013.org.il