

## The 5<sup>th</sup> RSI International Conference on Robotics and Mechatronics (ICRoM 2017)



October 2017 | Amir Kabir University of Technology | Tehran | Iran

### Call for Papers

#### Objective:

The 5<sup>th</sup> RSI International Conference on Robotics and Mechatronics (ICRoM 2017) is organized by the Robotics Society of Iran (RSI) with the support of the Academy of Sciences of IR Iran, and collaboration of related scientific societies. This conference will be held to bring the relevant communities together, to exchange ideas and to create fruitful connections between active researchers and industrial professionals in these fields. The original research papers reported on the leading edge of science and technology will be peer-reviewed and presented in this conference, in order to consolidate the state of the art advancement in key areas of robotics and mechatronics.

#### Conference Topics:

The conference topics include (but are not limited to):

Industrial robots, serial manipulators, parallel manipulators, mobile and legged robots, humanoids, bio-inspired robots, flying robots, service robotics, social robotics, field robotics, underwater and space robots, probabilistic robotics, micro- and nano-robots, reconfigurable robots, workspace analysis, kinematics and dynamics, design and optimization, sensors, actuators, drivers, motion planning, trajectory generation, cooperation and coordination, object manipulation, motion and force control, cognitive robotics, machine vision, speech recognition, intelligent robots and mechatronics systems, learning robots, calibration, identification, telerobotics, haptics, telesurgery, visual servoing, rehabilitation, automation, field instruments, measurement systems, MEMS, opto-mechatronics, embedded systems, new and emerging frontier fields of advanced intelligent robotics and mechatronics.

**Organized by:** The Robotics Society of Iran (RSI) | The Academy of Sciences of IR Iran

**General Chair:** Prof. Hassan Zohoor, Sharif University of Technology

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#### Important dates:

Paper Submission: **July 10, 2017**

Notification of Acceptance: **September 18, 2017**

Final Submission: **October 02, 2017**

#### Index and Journal Publication:

The official language of the conference is English. All papers are subjected to be included in the IEEE Xplore digital library and indexed by EI/Compendex, provided that they are presented at the conference. Selected papers are considered for possible Journal publications in the *International Journal of Robotics, Mechatronics Magazine*, and other scientific-research approved journals.