

2<sup>nd</sup> Call for Papers



## The 8<sup>th</sup> RSI International Conference on Robotics and Mechatronics (ICRoM 2020)

19 November 2020 | Tehran | Iran

### Objective:

The 8<sup>th</sup> RSI International Conference on Robotics and Mechatronics (ICRoM 2020) 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. Due to the developing **COVID-19 pandemic** (Coronavirus), this year the conference **will be held online as a virtual 1-day symposium** 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:

Highly qualified papers are peer reviewed for this **virtual 1-day symposium** while topics include (but are not limited to):

Serial and parallel manipulators, mobile and legged robots, humanoids, bio-inspired robots, rehabilitation and medical robotics, haptics, telesurgery, social robotics, field and service robotics, underwater and space robots, aerial robots, probabilistic robotics, micro- and nano-robots, reconfigurable robots, 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, visual servoing, automation, field instruments, measurement systems, MEMS, opto-mechatronics, embedded systems, intelligent robotics and mechatronics.

### Organized by:

The Robotics Society of Iran (RSI) | The Academy of Sciences of IR Iran

### Conference Chair:

Prof. S. Ali A. Moosavian, K. N. Toosi University of Technology

### Advisory /Technical Committee:

M. Ahmadi, Carleton U. (Canada)

A. Akbarzadeh T., Ferdowsi U. of Mashhad

A. Alasty, Sharif U. of Tech.

M. Aliyari, K. N. Toosi U. of Tech.

A. Bagheri, Guilan U.

W. Burgard, U. of Freiburg (Germany)

M. Bozorg, Yazd U.

H. R. M. Daniali, Nooshirvani U. of Tech.

A. H. Davaei M., Iran U. of Science & Tech.

V. Derhami, Yazd U.

M. Eghtesad, U. of Shiraz

R. Emami, U. of Toronto (Canada)

A. Fattah, U. of Delaware (USA)

A. Ghaffari, K. N. Toosi U. of Tech.

M. Ghayour, Isfahan U. of Tech

A. Goldenberg, U. of Toronto (Canada)

K. Hashtrudizad, Queens U. (Canada)

F. Hassani, McGill U. (Canada)

J. M. Hollerbach, U. of Utah (USA)

A. J. Ijspeert, EPFL (Switzerland)

M. Jamzad, Sharif U. of Tech.

M. Keshmiri, Isfahan U. of Tech.

M. H. Korayem, Iran U. of Science & Tech.

S. M. LaValle, U. of Illinois (USA)

S. Lee, Sungkyunkwan U. (Korea)

E. Masehian, CA State Polytechnic U (USA)

M. Mehrandezh, U. of Regina (Canada)

A. Meghdari, Sharif U. of Tech.

M. M. Moghaddam, Tarbiat Modares U.

S. Ali A. Moosavian, K. N. Toosi U. of Tech.

H. Moradi, U. of Tehran

D. Naderi, Bu-Ali Sina U. Hamedan

A. Nahvi, K. N. Toosi U. of Tech.

F. Najafi, Guilan U.

M. Namvar, Sharif U. of Tech.

N. Narimanzadeh, Guilan U.

M. Naraghi, Amirkabir U. of Tech.

E. Nebot, U. of Sydney (Australia)

M. Nili Ahmadabadi, U. of Tehran

L. Notash, Queen's University (Canada)

A. Olaru, Univ Politehnica of Bucharest (Romania)

E. G. Papadopoulos, Tech. U. of Athens (Greece)

A. Rostami, Tabriz U.

F. Rajaei, U. of Tehran

H. Rouhani, Univ of Alberta (Canada)

M. J. Sadigh, U. of Tehran

S. K. Saha, Indian Ins. Of Tech. (India)

H. Salarieh, Sharif U. of Tech.

T. Salcudean, UBC (Canada)

A. M. Shahri, Iran U. of Science and Tech.

F. Sheikholeslam, Isfahan U. of Tech.

B. Shirinzadeh, Monash U. (Australia)

B. Siciliano, U. of Naples (Italy)

R. Siegwart, ETHZ (Switzerland)

Sh. Sirouspoor, McMaster U. (Canada)

A. Soleimani, Shahrood U. of Tech.

H. D. Taghirad, K. N. Toosi U. of Tech.

H. A. Talebi, Amirkabir U. of Tech.

Gh. Vossoughi, Sharif U. of Tech.

Z. D. Wang, Chiba Ins. of Tech. (Japan)

A. Yousefi Koma, U. of Tehran

H. Zohoor, Sharif U. of Tech.

### Contact:

The Robotics Society of Iran | Tel/Fax: +98 21 6675 3117 | E-mail: [info@icrom.ir](mailto:info@icrom.ir) | URL: <http://www.icrom.ir>

### Important date:

Paper Submission: **September 20, 2020**

### Journal Publication:

The official language of the conference is English. Accepted and invited papers are presented on-line at the conference, and will be available on the open-access conference page. Therefore, no inclusion in the IEEE Xplore digital library will be considered due to the copyright restrictions. Selected papers are considered for Journal publications in the *International Journal of Robotics, Mechatronics Magazine*, and other scientific-research journals.