

# ISRR 2017

The 18<sup>th</sup> International Symposium on  
Robotics Research  
Puerto Varas, Chile  
December 11-14, 2017

## General Chairs

Nancy M. Amato

(Texas A&M University)

Greg Hager

(Johns Hopkins University)

## Local Arrangements

Miguel Torres-Torriti

(Pontificia Universidad Católica de Chile)

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(Università di Pisa e IIT)

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(Karlsruher Institut für Technologie)

Yoshihiko Nakamura

(University of Tokyo)

Maria Gini

(University of Minnesota)

## Call for Papers

The International Symposium on Robotics Research (ISRR) was created to provide a lively, intimate, forward-looking forum for discussion and debate about the current status and future trends of robotics. ISRR '17 will continue in this tradition through a program that is intended to be ideas-based, and interactive in flavor. We are seeking the submission of papers that emphasize provocative new ideas, open-ended themes, and new directions for robotics. The program will comprise a combination of invited talks and open submissions organized into interactive panels, keynotes, and debates. Accepted papers will be organized into topical panels, and the panel moderators will work with the authors of accepted papers to coordinate the presentations and maximize the interactivity of the session. We encourage submissions from all areas of robotics research and research-based applications, including: Control, Design, Haptics, HRI, Learning, Manipulation, Motion, Perception, Planning, and Systems. The papers and panel discussions will be edited into a proceedings volume after the workshop, and will appear as a Springer Star Series volume.

### Paper Format

We encourage submissions from all areas of robotics research and research-based applications. Submitted papers will be reviewed by the following program committee. We encourage authors to suggest a topic area and/or committee member when they submit to ensure we provide the best feedback possible. A listing of program committee members and topic assignments can be found on the ISRR 2017 web site. Papers for ISRR 2017 may be submitted in Long or Blue Sky Ideas Format.

### Long Format

We welcome research contributions of up to 16 pages, in Springer format, that describe thought-provoking ideas or directions for which there is already established implementation or evidence. The selected papers will be organized into topical panels for presentation, debate and discussion.

### Blue Sky Ideas Format

In cooperation with the Computing Community Consortium (CCC), we encourage submissions to a special "Blue Sky Ideas" track. These are shorter (target length 4 to 6 pages) papers which describe visionary ideas, long term challenges, and opportunities in research that are outside of the current mainstream topics of the field and which will provoke discussion or debate. To encourage researchers to present truly visionary concepts, the CCC is offering prizes for up to 3 top papers in this special track: first prize \$1000, second prize \$750, and third prize \$500, to be awarded as travel grants. Submissions will be judged on the extent to which they expand the possibilities and horizons of the field or challenge existing assumptions prevalent in the field.

### Paper Submission and Review Timeline

Papers can be submitted via the ISRR 2017 web site: <https://parasol.tamu.edu/isrr/isrr2017/>

June 15, 2017	Initial Submission Due by 11:59 pm Anywhere on Earth (AoE)
June 30, 2017	Updated Submission Due by 11:59 pm Anywhere on Earth (AoE)
September 1, 2017	Decisions announced
November 1, 2017	Camera ready due
December 11-14	Conference

## IFRR Officers

Oussama Khatib

(Stanford University, IFRR President)

Henrik Christensen

(UC San Diego, IFRR Secretary)