



RoboSoft

The first IEEE-RAS International Conference on
Soft Robotics

Livorno, Italy, April 24-28, 2018

Hotel Palazzo and Conference Centre Pancaldi

www.robosoft2018.org

COMMITTEE

General Chair:

Cecilia Laschi

Program Chair:

Fumiya Iida

Treasurer:

Kyujin Cho

Program Co-Chairs:

Yiğit Mengüç, Mike Tolley, Ryuma

Niiyama, Jamie Paik

Interdisciplinary Program Co-Chairs:

Barbara Mazzolai, Barry Trimmer, Josh

Bongard, Antonio De Simone, Rob

Shepherd

Publication Chairs:

Helmut Hauser, Thrish Nanayakkara

Publicity Chairs:

Surya Nurzaman, Egidio Falotico

Workshops/Tutorials Chairs:

Adam Stokes, Rebecca Kramer

Interactive sessions Chairs:

Lucia Beccai, Mariangela Manti

Exhibition/Industry & Sponsorship

Chair:

Jonathan Rossiter

Competition Chairs:

Jamie Paik, Marcello Calisti

Local Arrangements Chair:

Matteo Cianchetti

Awards Chair:

Koh Hosoda

Conference Secretariat:

Federica Radici

Advisory board:

Daniela Rus, Dario Floreano, Rob

Wood, George Whitesides, Paolo

Dario, George Jerominidis, Barry

Trimmer, Chris Melhuish, Koichi

Suzumori

Program Committee Members:

Cecilia Laschi, Fumiya Iida, Matteo

Cianchetti, Thrish Nanayakarra,

Jonathan Rossiter, Dario Floreano,

Jamie Paik, Adam Stokes, Kaspar

Althoefer, Matthew Howard, Antonio

Bicchi, Barbara Mazzolai, Maria

Kruusmaa, Barry Trimmer, Josh

Bongard, Perla Maiolino, Helmut

Hauser, Mirko Kovac, Ryuma

Niiyama, Taro Nakamura, Wen Li, Kyujin Cho,

Surya Nurzaman, Pablo Valdivia, Lucia

Beccai, Koh Hosoda, Akio Ishiguro,

Takuya Umedachi, Van Ho, Yiğit

Mengüç, Mike Tolley, Daniela Rus,

Rob Wood, Carmel Majidi, Rebecca

Kramer, Sangbae Kim, Cagdas Onal,

Liyu Wang, Andre Rosendo, Rob

Shepherd, Federico Renda, Antonio

De Simone, Yonglae Park

Call for Papers

Soft robotics is a recent exciting trend of robotics, taking the challenge of using soft materials and deformable structures for building robots, with high potential for impact in science and in applications.

Given the young and fast growing area and the lively interdisciplinary community that grew around soft robotics, the RoboSoft international conference aims at presenting recent progresses in this field, for discussing new science, new technologies and new opportunities for applications.

Contributed papers:

Prospective authors are invited to submit high-quality full 6-page papers representing original results in all areas of soft robotics.

Paper presentation:

RoboSoft 2018 provides authors with two options to present their paper:

- Podium Sessions (12-minute oral presentation + 3-minute Q&A)
- Interactive Sessions (1-minute plenary teaser + Interactive presentation (poster/video/demo))

Tutorials and workshops:

Proposals are called for half-day and full-day Tutorials and Workshops. Tutorials and workshops will be held on April 24, before the conference technical program.

Soft robotics competitions:

Proposals are called for teams wishing to challenge themselves and their soft robots in locomotion and manipulation tasks, showing their resilience, their capability to pass through small apertures, their ability to move on uneven terrains and their capability of dexterous manipulation.

The competitions will be held on April 28, after the conference technical program, and will be open to public.

IMPORTANT DATES:

Full paper submission: **December 1, 2017**

Notification of acceptance: **February 1, 2018**

Final submission: **March 1, 2018**

Deadline for early bird registration: **March 1, 2018**

Workshops/tutorials: proposals **December 15, 2018**; notification of acceptance **January 15, 2018**

Soft robot competition: submission of pre-selection material **January 15, 2018**; notification of acceptance **March 1, 2018**

Details of the presentation format and instructions for submission are available on the conference website