

## Special Issue

# Soft Machines: Integrating Sensing, Actuation and Computation

### Message from the Guest Editors

The aim of this special issue is to present the readers with a concise overview of recent developments and novel approaches in integrating sensing and actuation via new, soft actuators and sensors. The proposed special issue will be dedicated to high-quality research articles and original review papers that highlight recent advancements in smart, functional materials and systems, soft electronics, and the 3D fabrication of hybrid systems. Potential topics include, but are not limited to:

- Integration of sensing and actuation,
- Soft electronics,
- Soft actuators,
- Artificial muscles,
- Hydrogel- and gel-based sensors and actuators,
- Soft sensors,
- Electroactive sensors and actuators,
- Smart textiles,
- Additive manufacturing of soft sensors and actuators, and
- 4D printing of soft materials.

---

### Guest Editors

Dr. Sina Naficy

Dr. Michael P.M. Dicker

Prof. Jonathan Rossiter

---

### Deadline for manuscript submissions

closed (30 September 2019)



## Robotics

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/si/12142](https://mdpi.com/si/12142)

*Robotics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[robotics@mdpi.com](mailto:robotics@mdpi.com)

[mdpi.com/journal/  
robotics](https://mdpi.com/journal/robotics)





# Robotics

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/journal/  
robotics](https://mdpi.com/journal/robotics)



## About the Journal

### Message from the Editor-in-Chief

It is my great pleasure to welcome you to our open access journal, *Robotics*, which is dedicated to both the foundations of artificial intelligence, bio-mechanics and mechatronics, and the real-world applications of robotic perception, cognition and actions. The 21st century is the robotics century and intelligent robots will change our lifestyle forever. Let us work together toward the realization of intelligent robots step by step. It is great fun to create intelligent robots and imagine their practical applications. *Robotics* is now ready to serve you in the long journey towards such a goal.

---

### Editor-in-Chief

Prof. Dr. Marco Ceccarelli

LARM2: Laboratory of Robot Mechatronics, Department of Industrial Engineering, University of Rome Tor Vergata, Via del Politecnico 1, 00133 Roma, Italy

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, ESCI (Web of Science), dblp, Inspec, and other databases.

#### Journal Rank:

JCR - Q2 (Robotics) / CiteScore - Q1 (Control and Optimization)