

# Special Issue

## Human–Robot Collaboration

### Message from the Guest Editors

This Special Issue will collect novel works in the area of human–robot collaboration (HRC), with contributions from different disciplines and backgrounds, including mechanics, robotics, control, mechatronics, artificial intelligence, ergonomics, and others. Topics of interest include, but are not limited to, the following:

- Collaborative robots and mobile collaborative robots: design and applications;
- Control strategies and artificial intelligence for HRC;
- Novel fields for HRC: advanced industrial applications, motor rehabilitation, educational robotics, etc.;
- Ergonomics in HRC;
- Collaborative devices;
- Standardization and risk assessment;
- Contact estimation and collision avoidance;
- Human factors in collaborative robotics.

---

### Guest Editors

Prof. Dr. Giacomo Palmieri

Department of Industrial Engineering & Mathematical Sciences,  
Polytechnic University of Marche, 60131 Ancona, Italy

Prof. Dr. Aman Behal

Department of Electrical and Computer Engineering and the  
NanoScience Technology Center, University of Central Florida, Orlando,  
FL 32816, USA

---

### Deadline for manuscript submissions

closed (31 January 2021)



## Robotics

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/si/45771](https://mdpi.com/si/45771)

*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)