



Human-Robot Physical Interaction

Guest Editors:

Dr. Roveda Loris

Prof. Dr. Francesco Braghin

Dr. Sotiris Makris

Dr. Petar B. Petrovic

Deadline for manuscript
submissions:

closed (10 April 2022)

Message from the Guest Editors

Dear Colleagues,

The aim of this special issue is to identify high quality papers dealing with such arising challenges and direction of industrial robotics, taking into account human-centered solutions capable to actively assist operators while learning their behaviors. Contributions related (but not limited) to the following topics are welcome:

- human-robot physical interaction;
- collaborative controllers;
- intelligent control;
- task learning;
- safety-based control algorithms;
- collaborative robots and exoskeleton design and control;
- AI and ML applied to robot control and learning;
- AR/VR for industrial plants;
- human's knowledge transfer to robotic platforms;
- intelligent motion planning;
- optimization of industrial robotic solutions;
- advanced safety;
- natural human-robot interaction;
- human's intention recognition;
- mobile collaborative robotics.

Dr. Roveda Loris
Dr. Braghin Francesco
Dr. Sotiris Makris
Dr. Petar B. Petrovic
Guest Editors





an Open Access Journal by MDPI

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

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.

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 (Mechanical Engineering)

Contact Us

Robotics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/robotics
robotics@mdpi.com
[X@RoboticsMDPI](https://twitter.com/RoboticsMDPI)