



Robotics Research for Healthy Living and Active Ageing

Guest Editors:

Prof. Dr. Alessandro Di Nuovo

Dr. Filippo Cavallo

Dr. Laura Fiorini

Prof. Dr. Yasuo Okabe

**Prof. Dr. Nunzio Alberto
Borghese**

Deadline for manuscript
submissions:

closed (30 July 2020)

Message from the Guest Editors

Dear Colleagues,

This Special Issue appeals to researchers from the different scientific communities interested in the bio-robotics research for healthy living and active aging to submit their latest results in the development of solutions based on cloud services, artificial intelligence, and robotic technologies aiming at tackling bio-robotics challenges in enhancing people everyday life, providing high-quality healthcare service, assistive and monitoring solutions for active and healthy ageing; objective assessment in chronic diseases; objective neuropsychological assessment and rehabilitation in neurodegenerative diseases; and physical and cognitive stimulation and rehabilitation in cognitive frailty.

This Special Issue invites contributions in the following topics (but is not limited to them):

- Robot companions
- Social interaction
- Cultural differences in user needs/expectations
- Tele-operated robots
- Multimodal human–machine interfaces
- Human behavioral modeling
- Activity monitoring systems/activity recognition
- Multimodal perception
- Novel sensors
- Smart environments
- Mobility aids for locomotion or navigation
- Automated or assistive manipulation systems





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: CiteScore - Q1 (*Control and Optimization*)

Contact Us

Robotics Editorial Office
MDPI, St. Alban-Anlage 66
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)