



Robotics Research for Healthy Living and Active Ageing

Guest Editors:

Dr. Alessandro Di Nuovo

A.DiNuovo@shu.ac.uk

Dr. Filippo Cavallo

filippo.cavallo@unifi.it

Dr. Laura Fiorini

laura.fiorini@santannapisa.it

Prof. Dr. Yasuo Okabe

okabe@i.kyoto-u.ac.jp

**Prof. Dr. Nunzio Alberto
Borghese**

Alberto.borghese@unimi.it

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





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Marco Ceccarelli

IFTToMM representative, LARM2:
Laboratory of Robot
Mechatronics, Dept 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 in the Emerging Sources Citation Index (ESCI - Web of Science), **Scopus** (2019 CiteScore: 2.5), nspec (IET) and DBLP Computer Science Bibliography.

Rapid Publication: manuscripts are peer-reviewed and a first decision provided to authors approximately 20.2 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2020).

Contact Us

Robotics
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

mdpi.com/journal/robotics
robotics@mdpi.com