

## Special Issue

# Robotics Research for Healthy Living and Active Ageing

### Message from the Guest Editors

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

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### Guest Editors

Prof. Dr. Alessandro Di Nuovo

Dr. Filippo Cavallo

Dr. Laura Fiorini

Prof. Dr. Yasuo Okabe

Prof. Dr. Nunzio Alberto Borghese

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### Deadline for manuscript submissions

closed (30 July 2020)



## Robotics

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## 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.

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### Editor-in-Chief

Prof. Dr. Marco Ceccarelli

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