Special Issue

Robotics and Sensors for Rehabilitation

Message from the Guest Editors

Rehabilitation robots combine sensors, actuation and advanced control algorithms to maximize people's mobility. These robots can be divided into therapy robots, which are usually mounted in particular extremities to recover movement over time (e. g. exoskeletons, robotic arms), and assistive robots, which aid or complement a lost function of people with severe impairments in performing activities of daily living (e.g. power wheelchairs, prosthetics). Additionally, sensors have been used during and after rehabilitation for monitoring the health of people with disabilities to reduce secondary injuries and develop clinical guidelines and recommendations. The goal of this special issue is to compile the advances and applications of robots and sensors in rehabilitation. These topics include, but are not limited to add-on or integrated sensors to monitor people's health and prevent secondary injuries, and rehabilitation robots to enhance people's mobility and independence in performing community-based activities.

Guest Editors

Prof. Dr. Rory A. Cooper

Human Engineering Research Laboratories, University of Pittsburgh and US Department of Veterans Afairs, Pittsburgh, PA, USA

Dr. Jorge L. Candiotti

Human Engineering Research Laboratories, Department of Veterans Affairs, Pittsburgh, PA, USA

Deadline for manuscript submissions

closed (20 May 2023)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/90584

Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

mdpi.com/journal/sensors

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/journal/sensors

MDPI

About the Journal

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)