

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.

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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



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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.

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