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Robotics and Sensors for Rehabilitation

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Deadline for manuscript submissions:
closed (20 May 2023)

Message from the Guest Editors

Dear Colleagues,

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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Message from the Editor-in-Chief

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