

Special Issue

Rehabilitation Robotics: Design, Applications and Challenges

Message from the Guest Editor

Over the last few decades, the use of robotic devices in the rehabilitation field has expanded and is considered as an effective means to improve conventional therapies. Due to the inherent features of robots, robot-mediated therapy can provide actively powered assistance, precise measurement of motion, and quantitative outcome analysis, resulting in the objective assessment of patient status and proper planning of further treatment. In addition, the rapidly growing AI technologies can facilitate the analysis of measured data and decision-making; therefore, the combination of AI and robotic devices is expected to advance the current rehabilitation technology, resulting in large clinical, economic, and social impacts on the rehabilitation field. This Special Issue aims to address the state-of-the-art in rehabilitation robotics and identify the future challenges for the successful settlement of rehabilitation robots in clinical and home environments.

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2023)



Machines

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Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.

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There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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