Special Issue

Design and Application of Medical and Rehabilitation Robots

Message from the Guest Editors

Robots are increasingly present in our daily lives, with varied applications. Among these applications, the robots under development for applications in medicine and rehabilitation of the human body stand out. In recent decades, several researchers have developed different types of structures for the rehabilitation of the human body, but few of these devices manage to reach the market and patients. However, more efforts are still needed in the development of robotic structures applied to rehabilitation that reaches many patients. The primary focus of this Special Issue is to present cutting edge robotic solutions to boost the medical and rehabilitation process, aiming to highlight recent advances in the development of these robotic devices. Topics of interest include, but are not limited to:

- Review medical robots;
- Review rehabilitation robots;
- Medical robots;
- Rehabilitation and assistive robotics;
- Human-machine interfaces in medical robots and rehabilitation;
- Neuro-robotics;
- Virtual reality applied to medicine;
- Serious games applied to rehabilitation;
- Advanced prosthetics;
- Wearable devices.

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.
Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.
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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