Special Issue

Robotic and Sensor Technology for Upper Limb Rehabilitation

Message from the Guest Editors

This Special Issue aims to cover all these aspects, with a special focus on improvements in mechanical design and control of robotic devices, robotic assessment of sensorimotor function, neurophysiological mechanisms implied in robotic rehabilitation, and translational research of efficacy and/or cost-effectiveness of robotic rehabilitation. Keywords

- Rehabilitation robotics
- Robotic assessment
- Robot-assisted therapy
- Robot design
- Robot control
- Robot-aided cognitive rehabilitation
- Robotics for neurorehabilitation
- Brain–machine interface in neurorehabilitation
- Neurological rehabilitation
- Neural processes of rehabilitation
- Rehabilitation neurophysiology
- Stroke rehabilitation
- Computational neurorehabilitation

Guest Editors

Dr. Marco Germanotta
IRCCS Fondazione Don Carlo Gnocchi ONLUS, 50143 Florence, Italy

Dr. Michela Goffredo
IRCCS San Raffaele Pisana, Rome, Italy

Dr. Eduardo Palermo
Department of Mechanical and Aerospace Engineering, SAPIENZA University of Rome, 00184 Rome, Italy

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

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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