Special Issue

Exoskeleton Robotic Systems

Message from the Guest Editors

This Special Issue is dedicated to the applications of robotic systems of the exoskeleton-type for rehabilitation. There is currently a growing interest in medicine and biomechanics research in the development of exoskeleton-type robotic systems for rehabilitation. These can be used both for locomotor assistance and for assisting the upper limbs, for the purpose of rehabilitation. This Special Issue is addressed to research in the exoskeleton robotics field, with an emphasis on novel design, kinematic analysis and synthesis, dynamic analysis and optimization of exoskeleton systems. Articles that address issues related to the command and control of exoskeleton-type robotic systems are also welcome. Studies in all areas related to this topic are welcome, such as, but not limited to, the following topics:

- Novel exoskeleton robotic systems;
- New actuators systems and control techniques for exoskeletons;
- New performance monitoring and measurement systems;
- Safety aspects of wearable exoskeletons technology.

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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

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