

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.

Guest Editors

Dr. Ionuț Daniel Geonea

Department of Applied Mechanics, Faculty of Mechanics, University of Craiova, 107 Decebal Blvd, Craiova, Romania

Dr. Cristian Copilusi Petre

Faculty of Mechanics, University of Craiova, 200585 Craiova, Romania

Deadline for manuscript submissions

closed (30 April 2023)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/97810

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

mdpi.com/journal/

[applsci](https://doi.org/10.3390/applsci)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

Message from the Editor-in-Chief

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, Embase, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)