Special Issue

Advances in Collaborative Robotics for Service, Industrial and Green Applications

Message from the Guest Editor

Today's advances in robotics promise to deliver autonomous systems that can work safely along with humans and improve humans' overall working conditions. In this context, collaborative robotics is booming and is playing a crucial role in improving the quality of lives of individuals. At the same time, robot and mechatronics applications have rapidly expanded from the industrial environment to human assistance in rehabilitation and functional improvements. Furthermore, there are many open challenges and opportunities to integrate engineering concepts into green applications.

The scope of this Special Issue is to collect high-quality research that reports on recent advances and developments in designing sustainable collaborative robotics focusing on innovative systems, mechatronic devices, and technologies for service robots, industrial processes, and rehabilitative and smart city applications, also highlighting the economic and social implications.

Guest Editor

Dr. Nicola Pellegrini

Department of Mechanical and Industrial Engineering, Università degli Studi di Brescia, Via Branze, 38, 25123 Brescia, BS, Italy

Deadline for manuscript submissions

closed (31 March 2021)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/46700

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

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

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, CAPlus / SciFinder, and other databases.

Journal Rank:

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