

Special Issue

Motion Control for Robots and Automation

Message from the Guest Editors

Motion control is a critical and challenging field of automation that encompasses the systems involved in the moving parts of machines or robots in a controlled manner. Numerous relevant research studies have been developed in the fields of mechanical engineering, electrical engineering, control theory, and computer science. The design of an optimal controller is essential for systems with complex dynamics, especially in the presence of perturbation. In this Special Issue, we invite researchers to contribute original works and qualified reviews related to motion control for automatic machines and robots, such as medical robots, industrial robots, service robots, mobile robots, bionic robots, micro/nanorobots, CNC machines, multirobot cooperation, cranes, and so on. The scope of this Special Issue includes, but is not limited to, the following: kinematic and dynamic modeling, artificial intelligence, trajectory planning, advanced control, sensors and actuators. Both theoretical and experimental studies are welcome.

Guest Editors

Dr. Yi Fang

Dr. Yuxin Sun

Dr. Dongfang Liu

Deadline for manuscript submissions

28 February 2026



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/201986

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

mdpi.com/journal/appls





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, CAPlus / SciFinder, and other databases.

Journal Rank:

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