Special Issue

Intelligent Control of Electromechanical Complex System

Message from the Guest Editors

This Special Issue is dedicated to exploring state-of-the-art advancements and innovative approaches in the critical field of control strategies for complex electromechanical systems, both theoretical and application-oriented. We encourage the submission of theoretical and experimental studies that would promote further research activities in this area. The key topics covered in this issue include, but are not limited to, the following:

- Theoretical foundations for intelligent control;
- Intelligent modeling and identification in electromechanical systems;
- Intelligentization in feedforward and feedback control;
- Intelligent optimization in precision/ultra-precision motion systems;
- Iterative/deep/adaptive learning control for complex systems;
- Intelligent trajectory planning for complex motion systems;
- Sensor fusion and data analytics in electromechanical systems;
- Human–machine interactions in electromechanical systems;
- Application of machine learning and artificial intelligence in electromechanical systems.

Guest Editors

Prof. Dr. Yang Liu

Prof. Dr. Jing Na

Dr. Siyuan Zhan

Deadline for manuscript submissions

closed (20 December 2024)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/207413

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)