

# Special Issue

## Control and Automation

### Message from the Guest Editors

A wide range of ongoing work in the areas of controller design and information engineering reveals that the pace of technological change in this domain seems to be accelerating. The focus is on futuristic segments ranging from robotics and genomics to chemical feedstock and electrical storage. The primary objective of this Special Issue is to provide a forum for researchers and practitioners to exchange their latest theoretical and technological achievements and to identify critical issues and challenges for future investigation on the advanced automation and control techniques based on information system technologies. Topics include but are not limited to the following research areas: Frontiers in control engineering;

- Advanced control of industrial processes;
- Fault diagnosis and fault-tolerant control;
- Modeling and control in biochemical and medical systems;
- Advanced software engineering in automation;
- Artificial intelligence-based control.

Dr. Cristina-Ioana Mureşan Prof. Dr. Eva-Henrietta Dulf

---

### Guest Editors

Dr. Cristina I. Muresan

Faculty of Automation and Computer Science, Department of Automation, Technical University of Cluj-Napoca, Memorandumului 28, 400014 Cluj-Napoca, Romania

Prof. Dr. Eva H. Dulf

1. Faculty of Automation and Computer Science, Department of Automation, Technical University of Cluj-Napoca, Memorandumului 28, 400014 Cluj-Napoca, Romania

2. Physiological Controls Research Center, Obuda University, 1034 Budapest, Hungary

---

### Deadline for manuscript submissions

closed (31 December 2020)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.3



[mdpi.com/si/42446](https://mdpi.com/si/42446)

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

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





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.3



[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), Inspec, CAPIus / SciFinder, and other databases.

#### Journal Rank:

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