



Control and Automation

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

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

Deadline for manuscript
submissions:

closed (31 December 2020)

Message from the Guest Editors

Dear Colleagues,

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





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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.

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, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

Contact Us

Applied Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
X@Applsci