

## Special Issue

# Applications and Innovations in Control and Automation

### Message from the Guest Editors

The steadily growing industry and advances in electromobility are placing ever-increasing demands on motion control, diagnostics, monitoring, reliability and energy efficiency of components and entire systems, particularly electric drives, all with as few measurement signals available as possible. These requirements necessitate the development of existing solutions as well as the search for new, innovative ones that take advantage of the latest advances in science and technology. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- numerical modeling;
- optimization;
- novel/improved measurement techniques;
- diagnostics and monitoring of mechatronic systems;
- control of electric drives in electric vehicles;
- motion control of complex mechatronic systems;
- active disturbance rejection-based control;
- fault-tolerant control;
- energy-efficient systems.

### Guest Editors

Dr. Bartłomiej Wicher

Faculty of Control, Robotics & Electrical Engineering, Poznan University of Technology, ul. Piotrowo 3A, 60-965 Poznan, Poland

Dr. Dominik Łuczak

Faculty of Control, Robotics & Electrical Engineering, Poznan University of Technology, ul. Piotrowo 3A, 60-965 Poznan, Poland

### Deadline for manuscript submissions

closed (15 July 2025)



## Electronics

an Open Access Journal  
by MDPI

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/si/219022](https://mdpi.com/si/219022)

*Electronics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[electronics@mdpi.com](mailto:electronics@mdpi.com)

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





# Electronics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 6.1



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



## About the Journal

### Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

---

### Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di  
Torino, 10129 Torino, Italy

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus /  
SciFinder, Inspec, Ei Compendex and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /  
CiteScore - Q1 (Electrical and Electronic Engineering)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).