

## Special Issue

# Advances in Micro Electro Mechanical Systems: From MEMS to NEMS Devices

### Message from the Guest Editors

In the area of MEMS, two main streamlines of research can be observed. The first streamline is theoretically oriented and devoted to the analysis and synthesis of multiphysics models of systems such as coupled thermal–elastic systems, electrostatic–elastic systems, magnetically actuated systems, and microfluidic systems. In contrast, the second is more focused on various application areas, such as the design and manufacturing of MEMS for biomedical systems with an emphasis on miniaturized bio-sensors and microdevices for tissue engineering. Specifically, in the area of actuators, there are many excitation techniques; the ones which are commonly used can be classified into three categories, according to the relevant physical principle:

---

### Guest Editors

Prof. Dr. Slawomir Wiak  
Prof. Dr. Paolo Di Barba  
Prof. Dr. Lukasz Szymanski

---

### Deadline for manuscript submissions

closed (30 June 2022)



## Electronics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/si/59583](https://mdpi.com/si/59583)

*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 guestedited 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 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).