

## Special Issue

# Low-Power CMOS and Beyond-CMOS Front-End Circuits and Systems

### Message from the Guest Editors

This Special Issue aims to collect contributions focusing on different topics in the design of low-power front-end circuits and systems using CMOS and emerging technologies. The topics of interest include, but are not limited to:

- Device modeling and biasing techniques for low-power circuits.
- The design of test circuits.
- Low-power analog and digital circuit design.
- Energy-harvesting circuits and systems.
- 4. Variability-aware design techniques for low-power design.
- Low-power sensor readout interfaces.
- Low-power data converters.
- The benchmarking of novel devices for front-end circuits.
- Implantable devices for biomedical applications.
- Low-power wearable electronics for body sensor networks.
- Autonomous healthcare circuits and systems.
- Neuromorphic computing systems.

---

### Guest Editors

Dr. Raffaella Fiorelli  
Dr. Juan Núñez  
Dr. Julián Oreggioni

---

### Deadline for manuscript submissions

closed (31 May 2024)



## Electronics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/si/167107](https://mdpi.com/si/167107)

*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).