



Emerging Technologies for Low-Power Circuits and Systems: Latest Advances and Prospects

Guest Editor:

Dr. Hooman Farkhani

Department of Electrical and
Computer Engineering, Aarhus
University, 8200 Aarhus, Denmark

Deadline for manuscript
submissions:

30 November 2024

Message from the Guest Editor

Original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Emerging technologies for low-power design (spintronics, memristors, phase change materials, tunnel FETs, etc.);
- Neuromorphic computing for energy-efficient processing;
- Quantum-based low-power electronics;
- Bio-inspired approaches for low-power circuit design;
- Wearable electronics and low-power biomedical devices;
- Energy-efficient solutions for edge computing and AI at the edge;
- Low-power components in autonomous systems and robotics;
- Low-power communication protocols for IoT devices;
- Energy-efficient wireless sensor networks;
- Advances in ultra-low-power radio frequency (RF) design;
- Advanced semiconductor materials for low-power electronics;
- The exploration of 2D materials (e.g., graphene) in reducing power consumption.

I look forward to receiving your contributions.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Flavio Canavero

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

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [CAPus / SciFinder](#), [Inspec](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Electrical and Electronic Engineering*) CiteScore - Q2 (*Electrical and Electronic Engineering*)

Contact Us

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

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

mdpi.com/journal/electronics
electronics@mdpi.com
[X@electronicsMDPI](https://twitter.com/electronicsMDPI)