

Special Issue

Design of Low-Power Circuits and Systems

Message from the Guest Editors

In today's technology-oriented world, the demand for low-power, high-speed, miniaturized, and reliable integrated circuits (ICs) is ever increasing. We aim to collect contributions pertaining to low-power circuits and systems design, and the topics to be covered include, but are not limited to, the following:

- Power-aware digital, analog, or hybridized circuit design;
- Low-voltage and near-threshold computing;
- Energy-efficient computing approaches for IoT applications;
- Power-efficient AI/ML hardware and accelerator approaches;
- Energy harvesting circuits for self-powered systems;
- Low-power memory system designs;
- Beyond CMOS devices for low-power and/or non-volatile applications;
- System-on-chip (SoC) power management techniques;
- Low-power sensor interfaces for wearable and implantable devices.

Guest Editors

Dr. Ronald F. DeMara

Electrical and Computer Engineering, University of Central Florida,
Orlando, FL 32816, USA

Dr. Ashiq A. Sakib

Electrical and Computer Engineering, Southern Illinois University-
Edwardsville, Edwardsville, IL 62026, USA

Deadline for manuscript submissions

31 October 2025



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/220902

Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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 16.8 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).