

Special Issue

Integrated Circuit-to-System Design for Advanced Sensing and Communication

Message from the Guest Editor

This Special Issue focuses on recent advances in circuit and system design for high-performance sensing and communication systems driven by the rapid growth of the Internet of Things (IoT), autonomous vehicles, and next-generation biomedical devices. Seamless integration from the integrated circuit (IC) level to the system level is essential to meet increasing performance and efficiency requirements. We invite original research papers and review articles addressing challenges and innovations in analog, radio-frequency (RF), and mixed-signal IC design, as well as their system-level applications. Topics of interest include, but are not limited to:

- High-efficiency power management ICs (PMICs)
- Low-dropout (LDO) regulators for noise-sensitive applications
- Low-power sensor interface circuits
- High-performance data converters
- RF front-end circuits and architectures
- System-on-chip (SoC) integration for sensing and communication systems
- Radiation-hardened and robust circuit designs for extreme environments

Guest Editor

Dr. Younghyun Lim

Department of Electronic Engineering, Kyung Hee University, 1732 Deogyeong-daero, Yongin-si 17104, Republic of Korea

Deadline for manuscript submissions

30 September 2026



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 7.0



mdpi.com/si/272485

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 7.0



[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 (Signal Processing)

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).