

## Special Issue

# System-on-Chip (SoC) Design and Its Applications

### Message from the Guest Editor

The main aim of this Special Issue is to attract submissions of recent high-quality research as well as review articles on the recent progress for “SoC and Its Applications.” Topics in this Special Issue include (but are not limited to):

- Circuits for SoC: RF, analog, digital, mixed-signal circuit IP for SoC
- Signal processing for SoC: analog/digital VLSI signal processing for SoC design
- Low-power design: low-power design methodology, power/energy management, energy harvesting
- MPSoC architecture: on-chip interconnect, network-on-chip, memory architecture for multicore computing, platform architectures
- SoC for AI applications: machine learning, deep neural network, neuromorphic computing
- SoC for intelligent systems: automotive, IoT, medical/healthcare, wired/wireless communications, consumer electronics, etc.

---

### Guest Editor

Prof. Dr. Yunho Jung

School of Electronics and Information Engineering, Korea Aerospace University, Goyang-si 10540, Korea

---

### Deadline for manuscript submissions

closed (31 December 2021)



## Electronics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/si/39947](https://mdpi.com/si/39947)

*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 16.8 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).