

Special Issue

Advanced Design of RF/Microwave Circuit

Message from the Guest Editors

This Special Issue aims to publish recent advances on RF and microwave integrated circuits and antenna design, giving more attention and focus on frontend transmitter and receiver circuits, circuits for frontend optical processing, A/D and D/A high performance, low noise (EMI/RFI), low consumption devices, and wireless power transfer. Representative topics of interest include the following:

- RF frontend transmitter and receiver circuits (PAs, LNAs, PLL, mixers, oscillators);
- Frontend optical communication circuits (transimpedance amplifiers, modulators);
- Wideband A/D and D/A converters, sample and hold/track and hold amplifiers, sensor devices, nanodevices, biosensing;
- Photoelectric sensing, network communication, microwave circuits;
- Wide bandgap semiconductor devices and their integrated circuit, wireless power transfer;
- Techniques for system-on-chip (SoC) development of multiple radios, high performance edge computing, embedded IoT;
- Antenna design, electromagnetic wave, high speed signal design, EMI, RFI.

Guest Editors

Dr. Wen-Cheng Lai

Prof. Dr. Lidia Dobrescu

Dr. Kan Yu

Dr. Wen Liu

Deadline for manuscript submissions

closed (15 June 2023)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/91032

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).