

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

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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

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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).

