

Special Issue

Emerging Technologies for Low-Power Circuits and Systems: Latest Advances and Prospects

Message from the Guest Editor

Original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Emerging technologies for low-power design (spintronics, memristors, phase change materials, tunnel FETs, etc.);
- Neuromorphic computing for energy-efficient processing;
- Quantum-based low-power electronics;
- Bio-inspired approaches for low-power circuit design;
- Wearable electronics and low-power biomedical devices;
- Energy-efficient solutions for edge computing and AI at the edge;
- Low-power components in autonomous systems and robotics;
- Low-power communication protocols for IoT devices;
- Energy-efficient wireless sensor networks;
- Advances in ultra-low-power radio frequency (RF) design;
- Advanced semiconductor materials for low-power electronics;
- The exploration of 2D materials (e.g., graphene) in reducing power consumption.

I look forward to receiving your contributions.

Guest Editor

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Deadline for manuscript submissions

closed (15 June 2025)



Electronics

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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 guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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