

## Special Issue

# Advances in Low-Power IoT Devices, Embedded Systems, and Smart Electronics

### Message from the Guest Editors

This Special Issue welcomes original research, reviews, and case studies that highlight progress in this area. Our goal is to create a forum where academics and industry experts can share practical approaches, new models, and real-world applications that push forward the design of low-power and intelligent systems.

**Topics of interest include, but are not limited to, the following:**

- Design and optimization of low-power IoT devices;
- Energy-efficient embedded systems and controllers;
- Smart sensors and sustainable electronics for IoT;
- Hardware-software co-design methods for energy-aware systems;
- Reconfigurable computing and FPGA-based low-power architectures;
- AI/ML accelerators for edge devices with low power needs;
- Adaptive power management, DVFS, and energy harvesting;
- Secure and low-power IoT communication protocols;
- Ultra-low-power wearables, medical devices, and portable systems;
- Sustainable hardware solutions for smart cities, mobility, and industrial IoT.

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### Guest Editors

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### Deadline for manuscript submissions

20 November 2026



## 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 guestedited by leading experts in selected topics of interest.

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### Editor-in-Chief

Prof. Dr. Flavio Canavero

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