

Special Issue

Next-Generation Industrial Wireless Communication

Message from the Guest Editor

This Special Issue invites original research articles, comprehensive reviews, and case studies on topics including, but not limited to, the following:

- 5G and 6G applications in industrial settings;
- Time sensitive network (TSN);
- Wireless sensor networks (WSNs) and their integration with next-gen networks;
- Backscatter communication and battery-free networks.
- New protocols and architectures for industrial wireless networks;
- Software-defined networking (SDN) for industrial applications;
- Edge computing and its impact on industrial wireless communication;
- Industrial Internet of Things (IIoT) and network slicing.
- Cybersecurity challenges in industrial wireless networks;
- Secure and reliable communication protocols;
- Fault-tolerant and resilient network design;
- Privacy-preserving technologies for industrial communication.
- Wireless communication in smart factories and digital twins;
- Real-time monitoring and predictive maintenance using wireless networks

Guest Editor

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Deadline for manuscript submissions

closed (15 February 2026)



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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).