

Special Issue

Quantum and Optoelectronic Devices, Circuits and Systems

Message from the Guest Editor

The fields of quantum electronics (e.g., superconducting circuits, quantum dots) as well as optoelectronics, have produced much interest in the past few years. They deal with quantum and optical platforms in combination with electronic and condensed matter systems, which may serve as building blocks for a plethora of applications in quantum computing and optical technology. This Special Issue is devoted to the dissemination of high-quality research on the topics of quantum and optoelectronics. Areas considered, but not exclusive, are quantum electronics, optoelectronics, quantum optics, superconducting circuits, quantum dots, and integrated quantum photonics. Both theoretical contributions, as well as experimental implementations, will be published. Connections to emerging topics such as machine learning and artificial intelligence for designing and controlling physical devices are also valued. Original articles, as well as reviews on specific fields, are welcome.

Guest Editor

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Deadline for manuscript submissions

closed (5 April 2023)



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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

Prof. Dr. Flavio Canavero

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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).