

Special Issue

Vacuum Electronics: From Micro to Nano

Message from the Guest Editors

In this Special Issue, original research articles and reviews are welcome to be submitted. Research areas may include, but are not limited to, the following:

- Vacuum electronics, vacuum electron devices, and related micro-systems using advanced micro-fabrication technology, including semiconductor processing and MEMS such as Nano-CNC, LIGA, UV-LIGA, DRIE, micro-plating, etc.
- The related components, parts, materials, structures, devices, and microsystems include nano-gap devices, field emission cathodes, nano-material thermionic cathodes, electron gun, waveguides, slow wave structure, RF windows, carbon-based materials, power devices, switchers, quantum frequency-standard devices, atomic clock, nano-materials for high thermal conductivity and high RF absorption, nano-particle magnets, chip-scale devices, high-frequency THz devices, and related micro-module and micro-systems.

I look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

31 October 2025



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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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