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

Dr. Xianlong Wei

Prof. Dr. Jinjun Feng

Prof. Dr. Juncong She

Prof. Dr. Cunjun Ruan

Deadline for manuscript submissions

31 October 2025

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 5.3

mdpi.com/si/219029

Electronics
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

mdpi.com/journal/electronics

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 5.3

mdpi.com/journal/electronics

MDPI

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

Prof. Dr. Flavio Canavero
Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q2 (Physics, Applied) / CiteScore - Q2 (Control and Systems Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the second half of 2024).