# **Special Issue**

### High-Frequency Vacuum Electron Devices

#### Message from the Guest Editors

Vacuum electron devices at frequencies of millimeter wave and terahertz play very important roles in modern system of communication, detection and imaging, etc. with the advantages of high power and high efficiency as well as compactness. The aim of the Special Issue on "High-Frequency Vacuum Electron Devices" is to enhance the exchange of research information on the theory, design, simulation and processes, to advertise the development of the devices, to promote the applications, and to attract young researchers and engineers. The scope of the Special Issue on "High-Frequency Vacuum Electron Devices" is listed below:

- Power devices including linear beam devices, crossfield devices, fast-wave devices, and others;
- Technologies and processes: microfabrication, materials, and assembly;
- Novel structures including slow wave structure, resonant structure, metastructure, hybrid structure, and others;
- Components including cathodes, electron guns, I/O systems, magnetic focusing systems and collectors, etc.

#### **Guest Editors**

Prof. Dr. Jinjun Feng Prof. Dr. Yubin Gong Prof. Dr. Chao-Hai Du Prof. Dr. Adrian Cross

Deadline for manuscript submissions

closed (31 December 2021)



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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 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

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).