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High-Frequency Vacuum Electron Devices

Guest Editors:

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Prof. Dr. Yubin Gong

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Deadline for manuscript submissions:
closed (31 December 2021)

Message from the Guest Editors

Dear Colleagues,

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, cross-field 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.

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Editor-in-Chief

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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.

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