

Special Issue

Theoretical and Experimental Research in High-Power Microwave Electronics

Message from the Guest Editors

The goal of this Special Issue on High-Power Microwave Generation is, therefore, to collect manuscripts on the most recent theoretical and experimental results on HPM oscillators and amplifiers for applications including electronic warfare, radar, and accelerators. In addition, review papers that capture the history and current state of broad areas of the technology and applications of HPM are welcome. The Special Issue topics include the following:

- Theoretical of High-Power Microwave oscillator and amplifier, including relativistic magnetrons, MILOs, vircators, travelling wave tubes, and gyrotrons;
- Experimental demonstrations of new HPM devices;
- Virtual cathode effects;
- Electric breakdown issues and solutions;
- High-voltage drivers and transmission lines for HPM;
- Applications for HPM devices;
- Special pulse generation;
- HPM diagnostics;
- Review papers on HPM device physics, demonstrations, theory, and modeling.

Please click here to [find](#) more information! Welcome to contribute!

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Deadline for manuscript submissions

closed (31 January 2022)



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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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