

Call for Papers

Special Section on Microwave and Millimeter-Wave Technologies

The IEICE (Institute of Electronics, Information and Communication Engineers) Transactions on Electronics is pleased to announce an upcoming special section on "Microwave and Millimeter-Wave Technologies," scheduled for publication in **October 2026**.

Microwave and millimeter-wave technologies are critical not only for next-generation communication systems, such as Beyond 5G, 6G, and IoT, but also for a diverse range of non-communication applications, including sensing, imaging, medical diagnostics, and heating. Achieving further advancements in these areas requires progress in foundational technologies, including active and passive circuit design theories, measurement techniques, and system development.

Against this backdrop, this special section aims to feature high-quality research articles that showcase the latest developments in microwave and millimeter-wave technologies. Researchers and engineers working in these fields are strongly encouraged to submit their work for consideration.

1. Scope

Contributions are solicited in the following topics, but are not limited to:

- ☐ Active devices and circuits (low-noise devices and circuits, high-power devices and circuits, microwave tubes, amplifiers, mixers, oscillators, switches, MMICs, analog and mixed signal ICs, new energy IC, etc.)
- ☐ Passive components (waveguides and transmission lines, filters and resonators, directional couplers and hybrids, metamaterials, RF MEMS, LTCC devices, ferrite and acoustic wave components, packaging)
- ☐ Microwave/millimeter-wave/terahertz systems (Beyond 5G/6G technologies, intelligent mobility technologies, sensing/imaging technologies, biological information sensing and monitoring, health care systems, RFID, etc.)
- ☐ Microwave/millimeter-wave/terahertz integrated antennas technologies
- ☐ Microwave/millimeter-wave/terahertz measurement technologies and packaging technologies
- ☐ Microwave photonics
- ☐ Wireless power transfer technologies
- ☐ Electronics simulation technologies

2. Submission Instructions

The deadline for submission is extended to October 31, 2025. Acceptable manuscript type for the special section is either PAPER or BRIEF PAPER. Manuscripts should be prepared according to the style guidelines in the "Information for Authors" which is available at https://www.ieice.org/eng/shiori/mokuji_es.html. The total length of the manuscript for PAPER should not exceed 8 printed pages, and that for BRIEF PAPER should not exceed 4 printed pages. It is noted that the Special Section will accept only via electronic submission. Prospective authors are requested to carefully follow the submission process described below.

Please submit a paper via the IEICE website https://review.ieice.org/regist/regist_baseinfo_e.aspx. Please choose the [Special-MM] Microwave and Millimeter-Wave Technologies as a "Journal/ Section" on the online screen.

DO NOT CHOOSE [Regular-EC].

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3. Special Section Editorial Committee

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* Upon accepted for publication, all authors, including authors of invited papers, should pay the page charges covering partial the cost of publication around March 2026. If payment is not completed by April 15, 2026, your manuscript will be handled as rejection.

* The accepted papers will be published online soon on the website of Transactions Online after the payment of article

processing charges been completed. For detailed information, please visit https://www.ieice.org/eng/shiori/page2_es.html#8

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* IEICE Trans. on Electronics requires authors to cite 30 or more references for full paper and 15 or more references for brief paper.

* All papers published in or after August 2023 issue are opened to all readers in the world through J-STAGE.

* *IEICE has begun a multilingual (16 languages) translation trial of IEICE Transactions Online in April 2024. Please visit https://www.ieice.org/eng/s_issue/cfp/triale.pdf for details.*