

Call for Papers

Special Section on Microwave and Millimeter-Wave Technologies

The IEICE (Institute of Electronics, Information and Communication Engineers) Transactions on Electronics announces a forthcoming special section on "Microwave and Millimeter-Wave Technologies" to be published in **November 2023**.

Microwave and millimeter-wave technologies are now widely used in various applications and have supported our daily lives as important fundamental technologies. Such technologies definitely continue to enhance the development of next generation wireless communications such as 5G, Beyond 5G, 6G, IoT, etc., while they now expand new emerging fields such as wireless power transfer, sensor networks, imaging, and microwave medical applications, and so on. New theory, design, and measurement techniques of active and passive circuits, as well as new system development, are indispensable to further expansion of wireless applications.

In such a background, this special section will present the latest high-quality research articles related to the area of microwave and millimeter-wave technologies. The section, therefore, solicits paper submission from all people engaged in the microwave and millimeter-wave technical fields.

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 (5G/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 paper submission is extended to **November 28, 2022**. 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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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.