

## —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 October 2021.

In order to solve the new social issues caused by pandemic, large capacity and high functionality of communication systems such as online conferences, online learning, and human flow analysis are required. In addition to R & D of the 5th generation mobile communication system (5G), R & D of 5G evolution and beyond is becoming increasingly active. Moreover, the microwave and millimeter-wave technological field is expanding toward the areas in energy transfer, millimeter-wave radars, and microwave heating for chemical/medical applications, and so on. The purpose of this Special Section is to deliver latest technological information to active researchers/engineers and to contribute to the sustainable growth of the field. The special section solicits paper submission from all researchers/engineers who are engaged in the microwave/millimeter-wave technical field.

### 1. Scope

The major topics of interest include, but 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 ICs, 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 technologies, intelligent mobility, sensing/imaging, body area networks, biological information sensing and monitoring, health care systems, etc.)
- Microwave/millimeter-wave/terahertz integrated antennas, measurements, packaging, and other techniques
- Microwave photonics, Wireless power transfer, Electronics simulation

### 2. Submission Instructions

The deadline for submission is October, 16,2020 (Japan Time). The standard number of pages is 8 for a PAPER. The maximum number of pages of a Brief Paper is 4. The page charges are considerably higher for extra pages. Manuscripts should be prepared according to the guideline in the “Information for Authors”. The latest version is available at the web site, [https://www.ieice.org/eng/shiori/mokuji\\_es.html](https://www.ieice.org/eng/shiori/mokuji_es.html). The term for revising the manuscript after acknowledgement of conditional acceptance for this special section could be shorter than that for regular issues (60 days) because of the tight review schedule.

This special section will accept only papers by electronic submission. Prospective authors are requested to follow carefully the submission process described below.

Submit a paper using the IEICE web site, [https://review.ieice.org/regist/regist\\_baseinfo\\_e.aspx](https://review.ieice.org/regist/regist_baseinfo_e.aspx). Authors should choose the [Special-MM] Microwave and Millimeter-Wave Technologies as a “Journal / Section” on the online screen. Do not choose [Regular-EC].

### 3. Inquiries :

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