Call for Papers

Special Section on Microwave and Millimeter-Wave Technology

The IEICE (Institute of Electronics, Information and Communication Engineers) Transactions on Electronics announces a forthcoming special section on "Microwave and Millimeter-Wave Technology" to be published in October 2017. Towards the 2020 Tokyo Olympic and Paralympic Games, realization of 5G generation wireless systems and 4K/8K ultra high-definition TV broadcasting has been actively investigated. In addition, there are increasing demands for IoT (Internet of Things) that connect large number of devices or items to the network. Microwave and millimeter-wave technologies are key enablers that achieve these wireless systems, and applications of microwave/millimeter-wave/terahertz are attracting much attention in the fields of sensing/imaging technologies, wireless power transfer and health care.

The purpose of this Special Section is to publish and stimulate the latest researches and developments in these 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, AMP, MIX, OSC, SW, MMICs, Analog and Mixed Signal ICs, New Energy IC, etc.)
- Passive Components (Filters and Resonators, Ferrite and Acoustic Wave Components, Packaging, Waveguides and Striplines, Optical Components, Metamaterial, RF MEMS, LTCC Devices, Directional Couplers and Hybrids)
- Microwave/Millimeter-wave/Terahertz Systems (Sensing/Imaging Technologies, Body Area Network, Biological Information Monitor, Health Care, etc.)
- Microwave/Millimeter-wave/Terahertz Integrated Antennas Technologies
- Microwave/Millimeter-wave/Terahertz Measurement Technologies, Packaging Technologies
- Microwave Photonics
- Wireless Power Transfer Technologies
- Electronics Simulation Technologies

2. Submission Instructions

The deadline for submission is extended to February 15, 2017. Types of manuscripts for this Special Section are PAPER and BRIEF PAPER. Manuscripts should be prepared according to the style guidelines in the “Information for Authors” which is available at http://www.ieice.org/eng/shiori/mokuji_es.html. The length of PAPER should not exceed 8 printed pages and of BRIEF PAPER should not exceed 4 printed pages.

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. Authors should choose the [Special-MM] Microwave and Millimeter-Wave Technology 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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