

—Special Section on Fabrication of Superconductor Devices ;  
Key Technology in Superconductor Electronics—

The IEICE (Institute of Electronics, Information and Communication Engineers) Transactions on Electronics announces a forthcoming special section on “Fabrication of Superconductor Devices ; Key Technology in Superconductor Electronics” to be published in September 2021.

Nowadays, the field of superconducting electronics plays an important role in a wide variety of advanced technology fields such as quantum computation, quantum information, radio astronomy, medicine, material analysis and resource exploration. Under these circumstances, superconducting device fabrication technology is a fundamental one which supports a wide variety of superconducting electronics fields such as superconducting integrated circuits, superconducting detectors, superconducting multiplex circuits, superconducting parametric amplifiers, superconducting filters, and superconducting qubits. This special section will focus on the recent progress in the superconducting fabrication technology.

### 1. Scope

The major topics of interest include, but not limited to :

- Fabrication technology for superconducting integrated circuit
- Fabrication technology for superconducting detectors such as STJ detector, SIS mixer, TES, KIDS, SNSPD, and so on.
- Fabrication technology for superconducting device with high  $T_c$  superconducting material
- Fabrication technology for superconducting multiplexer
- Fabrication technology for superconducting qubit
- Fabrication technology for superconducting filter

### 2. Submission Instructions

The deadline for submission is September, 10, 2020 (Japan Time). The standard number of pages is 8 for a PAPER. The maximum number of pages for the initial submission 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-SU] Fabrication of Superconductor Devices ; Key Technology in Superconductor Electronics as a “Journal/Section” on the online screen. Do not choose [Regular-EC] .

### 3. Inquiries :

Shigehito Miki, National Institute of Information and Communications Technology

Tel : +81-78-969-2299, Email : s-miki@nict.go.jp

### 4. Special Section Editorial Committee

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