Call for Papers

Special Section on Recent Progress in Superconductor Sensors and Detectors for Cutting-Edge Technologies

The Institute of Electronics, Information and Communication Engineers (IEICE) Transactions on Electronics announces a forthcoming special section entitled "Recent Progress in Superconductor Sensors and Detectors for Cutting-Edge Technologies," which will be published in May 2020**.** Superconductor sensors and detectors show superior performance in sensitivity, resolution, timing jitter, bandwidth, and so on. They are strongly expected to contribute to cutting-edge technologies, such as quantum information, radio astronomy, medical applications, and material analysis. This special section is aimed at providing opportunities to present the latest research results on superconductor sensors and detectors that contribute to cutting-edge technologies.

1. Scope

This special session covers all research areas related to superconductor sensors and detectors for cutting-edge technologies such as quantum information, radio astronomy, medical applications, and material analysis. Superconductor sensors and detectors include:

-superconducting nanowire single photon detector
-superconducting tunnel junction detector
-transition edge sensor
-microwave kinetic inductance detector
-SQUID
-novel superconducting detector/sensor

2. Submission Instructions

The submission deadline is **September 13, 2019**. We welcome electronic submission of two manuscript types, PAPER and BRIEF PAPER, of which page limits are 8 pages and 4 pages, respectively. Authors are requested to follow the submission process described below:
Submit papers using the IEICE Web site https://review.ieice.org/regist/regist_baseinfo_e.aspx .
Authors should choose the "[Special-SE] Recent Progress in Superconductor Sensors and Detectors for Cutting-Edge Technologies" as a "Journal/Section". Do not choose [Regular-EC].
Manuscripts should be prepared according to the "Information for Authors" available at http://www.ieice.org/eng/shiori/mokuji_es.html.

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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 January 2020. If payment is not completed by 15 Feb., 2020, your manuscript will be handled as rejection. At least one of the authors must be an IEICE member when the manuscript is submitted for review except for Invited papers. We recommend that authors unaffiliated with IEICE apply for membership (http://www.ieice.org/eng/join/member.html).