Call for Papers

Special Section on Recent Progress in Physics and Applications of Intrinsic Josephson Junctions

The IEICE (Institute of Electronics, Information and Communication Engineers) Transactions on Electronics announces a forthcoming special section entitled "Recent Progress in Physics and Applications of Intrinsic Josephson Junctions," which will be published in **June 2023**.

Cuprate superconductors represent a natural stacks of atomic-scale intrinsic Josephson junctions. Thirty years have passed since their discovery, and various physical properties particular to the intrinsic Josephson junctions different from those of conventional Josephson junctions have been found and their potential for practical application have been also demonstrated. This special section will focus n the recent progress in physics and applications of intrinsic Josephson junctions.

1. Scope

This special session covers all research areas related to intrinsic Josephson junctions. The major topics of interest include, but not limited to:

- Fundamental physics
- THz generation and detection
- Vortex dynamics
- Macroscopic quantum phenomena
- Novel applications

2. Submission Instructions

The deadline for submission is **June 17, 2022**. 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. 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. Authors should choose the [Special-SE] Recent Progress in Physics and Applications of Intrinsic Josephson junctions as a "Journal / Section" on the online screen. Do not choose [Regular-EC].

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4. Special Section Editorial Committee

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