

## **Call for Papers**

# *Special Section on Recent Progress in Superconducting Analog Devices and Their Applications*

The IEICE (Institute of Electronics, Information and Communication Engineers) Transactions on Electronics announces a forthcoming special section on "Recent Progress in Superconducting Analog Devices and Their Applications" to be published in **March, 2009**.

Since the discovery of high-temperature superconducting (HTS) materials, extensive efforts have been dedicated to the developments of high-frequency passive devices and SQUIDs with these materials. Microwave receiver subsystems with HTS bandpass filters for wireless base stations and magnetic alien detection systems with HTS SQUIDs have been partially introduced into the market. Moreover, in recent years, there has been much progress in the developments of high-power HTS transmit filters and various application systems with SQUIDs and/or superconducting detectors. The purpose of this Special Section is to open these excellent results to the public and promote earlier commercialization of practical systems.

### **1. Scope**

Possible topics include, but are not limited to:

- Superconducting analog devices (HTS and LTS)
- Superconducting filter and filter subsystem
- Design and characterization of superconducting high-frequency devices
- Design, fabrication, and characterization of SQUIDs
- Application of SQUIDs and superconducting detectors

### **2. Submission Instructions**

The deadline for submission is **June 30, 2008**. This special section will accept only papers by electronic submission. Prospective authors are requested to follow carefully the submission process described below.

- (1) Submit a paper using the IEICE Web site [https://review.ieice.org/regist\\_e.aspx](https://review.ieice.org/regist_e.aspx). Authors should choose the [Special-EC] Recent Progress in Superconducting Analog Devices and Their Applications as a "Type of Issue (Section)/Category of Transactions" on the online screen. Do not choose [Regular-EC]. Manuscripts should be prepared according to the "Information for Authors," the latest version of which is available at: [http://www.ieice.org/eng/shiori/mokuji\\_es.html](http://www.ieice.org/eng/shiori/mokuji_es.html).
- (2) Send "One copy of the printed manuscript including figures and tables", "Copyright Transfer and Page Charge Agreement" and "Confirmation Sheet of Manuscript Registration" to

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by postal mail. (NOT by FAX or E-mail). Please do not forget to send "Copyright Transfer and Page Charge Agreement" and "Confirmation Sheet of Manuscript Registration". We cannot start the review process without them, even if we receive the manuscript.

### **3. Special Section Editorial Committee**

Guest Editor: Keiichi Tanabe (ISTEC-SRL)  
Secretary: Hiroaki Myoren (Saitama Univ.)  
Guest Associate Editors: Tatsunori Hashimoto (Toshiba), Mizushi Matsuda (Muroran Institute of Technology)  
Yoshinao Mizugaki (Univ. of Electro-Communications), Ken Sakuta (Osaka Univ.),  
Akira Tsukamoto (Hitachi), Takashi Uchida (National Defense Academy)

\* Please note that if accepted, all authors, including authors of invited paper, are requested to pay for the page charges covering partial cost of publications. Authors will receive 50 copies of reprints.

\*At least one of the authors must be an IEICE member when the manuscript is submitted for review. Invited papers are an exception. We recommend that authors unaffiliated with IEICE apply for membership. For membership applications, please visit the web-page, <http://www.ieice.org/eng/member/OM-appli.html>.