

Call for Papers

----- Special Section on Medical Imaging -----

The IEICE Transactions on Information and Systems announces that it will publish a special section entitled "Special Section on Medical Imaging" in April 2013.

Medical imaging has contributed significantly to progresses in basic medicine, clinical medicine, and medical education. Also, imaging modalities and computer system with high processing ability have been improved dramatically over the last decade. As these technology advances, the development of innovative algorithms and applications is demanded in the medical imaging field. This field consists of research and development covering a number of disciplines, including medicine, biology, engineering, and information science. Furthermore, it is desirable to build a new academic framework as a synthesis of these research fields. Because of such reasons, a special section is being planned (scheduled to appear in the April 2013 issue) to further promote research and development of future medical imaging technology.

Scope

This special section aims at timely dissemination of research in these areas. Possible topics include, but are not limited to:

- Image acquisition technologies (CT, MRI, PET · SPECT, Ultrasound, etc.)
- Medical image processing and analysis (segmentation, registration, noise reduction, image enhancement, image compression, etc.)
- Tomographic image reconstruction
- Virtual reality and augmented reality
- Functional image analysis
- Computer-Aided Diagnosis
- Computer-Aided Surgery
- Human interface
- Biomedical simulation
- Medical informatics (PACS, HIS, RIS, telemedicine, etc.)
- Foundation and application of Computational Anatomy
- Medical education

Submission Instructions

The standard number of pages is 8 for a PAPER and 2 for a LETTER. The maximum number of pages for the initial submission of a LETTER 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, http://www.ieice.org/eng/shiori/mokuji_cs.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. The papers describing clinical research should indicate in their papers that ethics committee (EC) or institutional review board (IRB) approval has been obtained. We will reject the papers describing clinical research for which there is no evidence of EC/IRB approval.

This special section will accept papers only by electronic submission. Prospective authors are requested to follow carefully the submission process described below.

1. Submit a manuscript and electronic source files (TeX/Word files, figures, authors' photos and biography) via the IEICE Web site https://review.ieice.org/regist_e.aspx by **June 15, 2012 (Japan Time)**. Authors should choose the [Special-ED] Medical Imaging as a "Type of Issue (Section)/Category of Transactions" on the online screen. Do not choose [Regular-ED].
2. Send "Copyright Transfer and Page Charge Agreement" and "Confirmation Sheet of Manuscript Registration" by E-mail, FAX or postal mail to the following address (guest editor of the special section) by the above due date. We may withdraw the submission if these documents have not been received by the due date, even if the manuscript has been received by electronic submission. For additional guidelines on manuscript preparation, please visit: http://www.ieice.org/eng/shiori/mokuji_iss.html

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Important Notice

* Please note that if the submitted paper is accepted, all authors, including authors of invited papers, are requested to pay for the page charges covering partial cost of publications. Authors will receive 50 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 <http://www.ieice.org/eng/member/OM-appli.html>