

Call for Papers

Special Section on Recent Progress in Electromagnetic Theory and Its Application

The *IEICE (Institute of Electronics, Information and Communication Engineers) Transactions on Electronics* announces a forthcoming special section on Recent Progress in Electromagnetic Theory and Its Application to be published in **January 2010**.

The purpose of this special section is to present a collection of original papers that give an overview of recent progress of research and development in electromagnetic theory and its applications, including those related to the papers presented at the 2008 symposium of Electromagnetic Theory, held at Takayama, Gifu, Japan on November 20-22, 2008. It also shares the scope with the International Symposia and Meetings: PIERS 2008-Hangzhou, ISAP2008, URSI-GA-2008 and PIERS 2008-Cambridge. Presentations in these symposia and meetings are also considered to be the parts of this special section and submission is highly encouraged.

1. Scope

The major topics of interest include:

Electromagnetic Theory (Basic Electromagnetic Theory), Radiation and Propagation (Mobile and Indoor Propagation, Earth-Space and Terrestrial Propagation, Tropospheric and Ionospheric Propagation), Phenomenology in Electromagnetics, Scattering and Diffraction, Radar Cross Section (RCS), Antenna Theory, Remote Sensing, Signal Processing, Mathematical Analysis Theory and Its Applications, Periodic and Band-Gap Structures, Numerical Methods, Computational Electromagnetics, Random Media and Rough Surfaces, Non-linear Material, Complex / Artificial Media and Metamaterials, Electromagnetic Compatibility, Transients and Time-Domain Techniques, Medical Applications and Biological Effects, High-Frequency and Asymptotic Methods, Inverse Scattering and Inverse Problems, Microwave and Millimeter Waveguides and Optical Waveguide, Photonics and Non-linear Problems, and Others.

2. Submission Instructions

~~The deadline for submission is March 26, 2009.~~ **The extended deadline for submission is April 24, 2009.** Types of manuscripts for this Special Section are only PAPER and BRIEF PAPER. Manuscript should be prepared according to the style guidelines in the Information for Authors attached to the *IEICE Transactions on Electronics*. The style guidelines are also available at http://www.ieice.org/eng/shiori/mokuji_es.html. The page length should not exceed 8 printed pages. The term for revising the manuscript after acknowledgement of conditional acceptance for this special section could be shorter than that (60 days) for other sections because of the tight review schedule.

Please note that if accepted, the author of each paper including invited ones is requested to pay the page charges covering partial cost of publications.

In this special section, the electronic submission is adopted. Prospective authors are requested to follow carefully the submission process described below.

(Step 1) Electronic Submission

The author is required to make manuscript registration and upload the electric file of the manuscript at the web page: https://review.ieice.org/regist_e.aspx. Authors should choose “[Special-EC] Recent Progress in Electromagnetic Theory and Its Applications” in the “Type of Issue (Section) / Transactions”.

(Step 2) Sending “the Form on the Copyright Transfer and the Page Charge Agreement” and “Confirmation Sheet of Manuscript”

“The Form on Copyright Transfer and Page Charge Agreement” and “Confirmation Sheet of Manuscript” should be sent by postal mail, fax or e-mail to the following. Please write “Special Section on Recent Progress in Electromagnetic Theory and Its Applications” on the envelope in the case of postal mail.

Prof. Masahiro Tanaka

Department of Information Science, Gifu University

1-1 Yanagido, Gifu 501-1193, Japan

Phone: +81-58-293-2760, Fax: +81-58-293-2704, E-mail: masahiro@info.gifu-u.ac.jp

3. Editorial Committee of the Special Section on Recent Progress in Electromagnetic Theory and Its Applications :

Guest Editors: Mitsuru Tanaka(Oita Univ.) and Akira Komiyama (Osaka Electro-Communications Univ.)

Secretaries: Masahiro Tanaka (Gifu Univ.) and Mitsuhiro Yokota(Miyazaki Univ.)

Associate Editors: Hiroyuki Deguchi (Doshisha Univ.), Akimasa Hirata (Nagoya Institute of Tech.), Koichi Hirayama (Kitami Institute of Tech.)

Akira Hirose (The Univ. of Tokyo), Kazuya Kobayashi(Chuo Univ.), Michiko Kuroda(Tokyo Univ. of Tech.),

Atsushi Kusunoki(Oita Univ.), Shinichiro Ohnuki (Nihon Univ.), Ryoichi Sato(Niigata Univ.), Koichi Takahashi(Aichi Univ. of Tech.),

Koki Watanabe(Fukuoka Inst. of Tech.)

[IMPORTANT NOTICE] 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>.