

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 **February 2007**.

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 2005 symposium of Electromagnetic Theory, held at Lake Rindou Royal Hotel, Nasu, Shiobara, Tochigi, Japan on November 16-18, 2005. It also shares the scope with the International Symposia and Meetings: 2005 IEEE AP-S Symposium, ISMOT2005, PIERS2005, URSI-GA2005, and PIERS2006- 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 ~~April 10, 2006~~ **May 8, 2006**. 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.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. The acceptable format of the file is Adobe Acrobat(TM) (.PDF) file. Authors should choose "[Special-EC] Recent Progress in Electromagnetic Theory and Its Applications" in the "Type of Issue (Section) / Transactions".

(Step 2) Postal Mailing of "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 to the following address. Please mark "Special Section on Recent Progress in Electromagnetic Theory and Its Applications" on the envelope. Manuscripts and all inquiries should be sent to:

Prof. Masahiko Nishimoto
Kumamoto University, Dept. of Electrical and Computer Engineering
2-39-1 Kurokami, Kumamoto 860-8555, Japan
Phone: +81-96-342-3852, Fax: +81-96-342-3630, E-mail: nisimoto@eecs.kumamoto-u.ac.jp

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

Guest Editors: Tsuneki Yamasaki (Nihon University) and Makoto Ando (Tokyo Inst. of Technology)
Secretaries: Masahiko Nishimoto (Kumamoto University), Toyohiko Ishihara (National Defense Academy)
Associate Editors: Akira Hirose (The Univ. of Tokyo), Chen Qiang (Tohoku Univ.), Hiroshi Shirai (Chuo Univ.), Keren Li (NICT), Kiyotaka Fujisaki (Kyushu Univ.), Masahiro Tanaka (Gifu Univ.), Mikio Tsuji (Doshisha Univ.), Mitsuhiro Yokota (Univ. of Miyazaki), Nobuo Goto (Toyoashi Univ. of Tech.), Toru Sato (Kyoto University), Toshikazu Hori (Univ. of Fukui), Yoshiaki Ando (Univ. of Electro-Communications), Yoshio Inasawa (Mitsubishi Electric)

[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.