

**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 2018**.

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 2016 Symposium on Electromagnetic Theory, held in Wakayama, Japan on November 17-19, 2016. It also shares the scope with the international symposia and meetings: 2016 AP-S and URSI, PIERS 2016, ICEAA 2016, and ISAP2016. Presentations in these symposia and meetings are also considered to be part of this special section and submission is highly encouraged.

1. Scope

The major topics of interest include, but are not limited to:

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, 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 31, 2017**. 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 for PAPER and 4 for BRIEF PAPER. The term for revising the manuscript after acknowledgement of conditional acceptance for this special section could be shorter than that (60 days) for regular 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.

Submit a paper using the IEICE Web site https://review.ieice.org/regist/regist_baseinfo_e.aspx. Authors should choose the “[Special-RE] Recent Progress in Electromagnetic Theory and Its Applications” in the “Journal / Section” on the online screen. Do not choose [Regular-EC]. Authors must agree to the "Copyright Transfer and Page Charge Agreement" via electronic submission.

Inquiries:

Dr. Yasuhiro Nishioka

Information Technology R&D Center, Mitsubishi Electric Corporation

E-mail: Nishioka.Yasuhiro@bx.MitsubishiElectric.co.jp, Phone : +81-467-41-2534

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

Guest Editors: Motoyuki Sato (Tohoku Univ.), Akira Hirose (The Univ. of Tokyo)

Secretaries: Yasuhiro Nishioka (Mitsubishi Electric Corp.), Takuya Sakamoto (Univ. of Hyogo)

Associate Editors: Yoshiaki Ando (The Univ. of Electro-Communications), Yoshio Inasawa (Mitsubishi Electric Corp.), Tetsuya Ueda (Kyoto Inst. of Tech.), Shinichiro Ohnuki (Nihon Univ.), Ryosuke Ozaki (Nihon Univ.), Keiji Goto (Nat'l Defense Academy of Japan), Ryoichi Sato (Niigata Univ.), Toshihiko Shibasaki (Tokyo Metro. College of Indust. Tech.), Yukihisa Suzuki (Tokyo Metro. Univ.), Kazunori Takahashi (OYO Corp.), Masahiro Tanaka (Gifu Univ.), Norimasa Nakashima (Fukuoka Inst. of Tech.), Takuichi Hirano (Tokyo Inst. of Tech.), Koichi Hirayama (Kitami Inst. of Tech.)

[IMPORTANT NOTICE] Authors must agree to the "Copyright Transfer and Page Charge Agreement" via electronic submission. Please note that if accepted, all authors, including authors of invited papers, are requested to pay for the page charges covering partial cost of publications. 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, https://www.ieice.org/eng/join_ieice/index.html.