

## 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 **April 2024**.

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 2022 Symposium on Electromagnetic Theory, held in Tokyo, Japan on November 17th, 18th, and 19th, 2022. Submission of papers which have been presented in international conferences with additional development is available.

### 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, 2023**. 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 [https://www.ieice.org/eng/shiori/mokuji\\_es.html](https://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.

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](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, Article Processing Charge Agreement, Notices from the IEICE, and Privacy Policy " via electronic submission.

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