

Call for Papers

----- Special Section on Recent Progress in Antennas and Propagation in Conjunction with Main Topics of ISAP2020 -----

The IEICE Transactions on Communications announces that it will publish a special section entitled "Special Section on Recent Progress in Antennas and Propagation in Conjunction with Main Topics of ISAP2020" in **June 2022**.

The objective of this special section is to discuss the antenna and propagation technologies related to progressing technologies for 5G mobile communication systems, MIMO, PAN/BAN, and wireless power transmission and so on. The 2020 International Symposium on Antennas and Propagation (ISAP2020) will be held in Osaka, Japan during January 25 – 28, 2021, which aims at providing an international forum for exchanging information on such progress of research and development in antennas, propagation, electromagnetic wave theory, and the related fields. By taking this opportunity the special section has been planned to publish papers on advanced technologies in antennas, propagation and the related fields. The special section seeks for submission particularly from, but not limited to, the authors of ISAP2020.

1. Scope

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

Antennas

- Small Antennas and RF Sensors
- Antennas for Mobile and Wireless Applications
- Broadband and Multi-band Antennas
- Tunable and Reconfigurable Antennas
- 2D and 3D Printed Antennas and Arrays
- Millimeter-wave, THz and Optical Antennas
- Active and On-Chip Antennas
- Adaptive and Smart Antennas
- Antenna Theory and Design
- Antenna Measurements
- Other related topics

Propagation

- Indoor and Mobile Propagation
- Millimeter-wave, THz and Optical propagation
- Machine-to-Machine/Infrastructure Propagation
- Channel Sounding and Channel Estimation
- Propagation Measurement Techniques
- Terrestrial, Earth-Space, and Ionospheric Propagation
- Propagation Fundamentals,
- DOA Estimation
- Remote Sensing and Radar
- Other related topics

Electromagnetic-wave Theory

- Computational Electromagnetics
- Optimization Methods in EM Problems
- Frequency Selective Surfaces and Filters
- EBG, Metamaterials, and Applications
- Time-Domain Techniques
- Scattering, Diffraction, and RCS
- Inverse and Imaging Techniques
- Passive and Active Components
- Nano-Electromagnetics
- Other related topics

AP-related Topics

- MIMO and Its Applications
- Antenna Systems for Mobile Communications
- Broadcasting and Receiving Technologies
- Wireless Power Transfer Technologies
- Wearable Device Networks and Medical Applications
- Sensor Networks and Adhoc Systems
- RFID and Applications,
- EMC/EMI Technologies
- Other related topics

2. Submission Instructions

The standard number of pages is 8. The article processing charge is considerably higher for extra pages. Submissions of "letters" are not accepted. Manuscripts should be prepared according to the guideline in the "Information for Authors". The latest version is available at the web site, https://www.ieice.org/eng/shiori/mokuji_cs.html. The period 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.

This special section will accept only papers by electronic submission. Submit a manuscript and electronic source files (LaTeX/Word files, figures, authors' photos and biography) via the IEICE Web site https://review.ieice.org/regist/regist_baseinfo_e.aspx by **June 15th, 2021 (JST)**. Authors should choose the Recent Progress in Antennas and Propagation in Conjunction with Main Topics of ISAP2020 as a "Journal/Section" on the online screen. Do not choose [Regular-EB].

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3. Special Section Editorial Committee

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* Upon accepted for publication, all authors, including authors of invited papers, should pay the article processing charge covering the partial cost of publication around December 2021. For detailed information, please visit https://www.ieice.org/eng/shiori/page2_cs.html#5

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* The accepted papers will be published online soon after notification of acceptance on the web site of Transactions Online. For detailed information, please visit https://www.ieice.org/eng/shiori/page2_cs.html#8