

## Call for Papers

# ----- Special Cluster on Antennas and Propagation Technologies in Conjunction with Main Topics of iWAT 2024 -----

The IEICE Communications Express (ComEX) announces that it will publish a special section entitled “Special Cluster on Antennas and Propagation Technologies in Conjunction with Main Topics of iWAT2024” in February 2025. 2024 International Workshop on Antenna Technology (iWAT2024) will be held at Tohoku University, in Sendai, Japan, from April 15<sup>th</sup> (Monday) to 18<sup>th</sup> (Thursday), 2024. The workshop aims at providing an international forum for exchanging information on such progress of research and development in antenna technology. It especially focuses on small antennas and applications of artificial materials to the antenna design. By taking this opportunity, the special section has been planned to publish letters in cluster fashion, which aims to raise the interest of researchers in the field of small antennas, metamaterials, wireless applications, and related topics. This special cluster strongly encourages the presenters and co-authors at iWAT2024 to submit your papers to promote the publication of extended version of your papers. The paper submission is not limited to the authors of iWAT2024.

## 1. Scope

The scope of this special cluster includes, but is not limited to, the following topics:

- Adaptive (smart) arrays	- Wearable, implanted, and encapsulated antennas	- Biomedical and healthcare applications
- Antenna design and analysis based on characteristic or eigen modes	- 3D-printed antennas and structures	- Hyperthermia and RF Ablation
- Antenna measurements	- Analysis and design of EM materials	- GPS systems
- Antennas on/in IC packages	- Artificial magnetic conductors (AMC)	- Medical diagnostic and therapeutic applications
- Body-centric antennas	- Electromagnetic anisotropy	- Millimeter-wave/terahertz imaging
- Conformal antennas	- Intelligent materials	- MIMO systems
- MEMS/nanotechnology for antennas	- Electromagnetic bandgap (EBG) structures	- RFID antennas and wireless sensing systems
- Terahertz nano and optical antennas	- Frequency-selective surfaces (FSS)	- Software-defined/cognitive radio
- Non-Foster/active elements	- Single and double negative metamaterials	- Satellite communications
- On-chip antennas	- Electromagnetic skins: epidermal, flexible, and stretchable antennas, sensing substrates	- UWB communications
- Reconfigurable antennas	- Reconfigurable intelligent surfaces	- Wireless communication systems
- Reflectarrays	- Automotive systems	- Wireless power transmission and energy harvesting
- Ultra-wideband (UWB) antennas		- Smart radio environment for 6G communication systems

## 2. Submission Deadline

Two submission periods are prepared for this special cluster, and the deadlines are set as:

- **First deadline: June 14th, 2024 (JST)** (The submission site will open on May 24th, 2024.)
- **Second deadline: August 2nd, 2024 (JST)** (The submission site will open on July 12th, 2024.)

## 3. Submission Instructions

The maximum number of pages is four (4). Manuscripts should be prepared according to the guideline in the “Information for Authors.” The latest version is available at the website, [https://www.ieice.org/publications/comex/data/for\\_authors.html](https://www.ieice.org/publications/comex/data/for_authors.html). In particular, please refer to the paragraph on novelty. The review process will begin immediately after submission. The notification of review evaluation for the letter submitted in the first submission period and that in the second one will be sent by July 11th, 2024, and August 28th, 2024, respectively. It is allowed that authors submit a revised version of the letter, which is rejected in the first submission period, in the second submission period. All the accepted letters will be published online on IEEE Xplore and J-STAGE as open access articles under a Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International License. Before the finalized versions, the accepted letters will be published online on IEEE Xplore after the payment is completed as a pre-print version of the manuscripts. The publication date of the special cluster is fixed on February 1st, 2025.

ComEX will accept only the letter type of manuscripts by electronic submission using one of the officially approved formats (LaTeX style file or Microsoft Word template). Submit a manuscript and electronic source files (LaTeX/Word files, figures) via the IEICE Web site [https://review.ieice.org/regist/regist\\_baseinfo\\_e.aspx](https://review.ieice.org/regist/regist_baseinfo_e.aspx). In this regard, authors should choose the [Special Cluster on Antennas and Propagation Technologies in Conjunction with Main Topics of iWAT2024] as a “Journal/Section” on the online screen. **Do not choose [Regular-XB].**

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## 4. Special Section Editorial Committee

**Guest Editors-in-Chief:** Zhi Ning Chen (Natl. Univ. of Singapore), Nozomu Ishii (Niigata University)

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\* **All non-member submissions are accepted. Please take this opportunity to submit to our journals.**

\* If there are non-members among the authors, we recommend that the authors take this opportunity to join the IEICE. For detailed information on the IEICE Membership Application, please visit the web page, [https://www.ieice.org/eng\\_r/join/individual\\_member.html](https://www.ieice.org/eng_r/join/individual_member.html).