



## *Special Section on Information Theory and Its Applications*

### CALL FOR PAPERS

The IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences announces a forthcoming *Special Section on Information Theory and Its Applications* to be published in **March 2026**.

The objective of this special section is to discuss, through papers, new theoretical developments and techniques in information theory and its applications. The Special Section solicits paper submissions on a broad range of topics related to information theory, including (but not limited to) the following areas:

Shannon Theory, Source Coding, Data Compression, Coding Theory and Techniques, Channel Coding, Communication Theory, Wireless Communications, Sequences, Cryptography, Information-Theoretic Security, Information Security, Quantum Information Theory, Quantum Coding and Cryptography, Network Information Theory and Coding, Distributed Coding and Computation, Computational Complexity Theory, Signal Processing, Compressed Sensing and Sparsity, Detection and Estimation, Stochastic Processes, Statistical Machine Learning, Statistical Mechanical Informatics, Applications of Information Theory.

Any interested authors in those fields are welcome to contributing to the Special Section, including those who make a presentation at the 2024 International Symposium on Information Theory and its Applications (ISITA2024) held in Taiwan, during November 10-13, 2024, and 2024 Symposium on Information Theory and its Applications (SITA2024) held at Fukui during December 10-13, 2024.

The deadline for submission is **February 7, 2025, at 23:59 (Japan Time)**. It is strongly recommended that the lengths of PAPERS and LETTERS for this special section are within 8 and 2 pages, respectively (the length of a LETTER must be 4 pages or less excluding references). If the number of pages exceeds largely, we may recommend submitting the manuscript to a Regular Section. Manuscripts should be prepared according to the guideline given in "The Information for Authors." The latest version is available at the web site: [https://www.ieice.org/eng/shiori/mokuji\\_ess.html](https://www.ieice.org/eng/shiori/mokuji_ess.html). The term for revising the manuscript after acknowledgment of conditional acceptance for this special section could be shorter than that for other issues (60 days) because of the tight review schedule.

If your paper includes identical or similar material that has already appeared in international conferences, etc., you must cite it in the footnotes or references. (See "The Information for Authors." of the web site.)

Papers will be accepted only by electronic submission. Prospective authors are requested to carefully follow the submission process described below:

Submit a manuscript (in PDF format) and editable electronic files (LaTeX/MS-Word files, figures) for PAPER and LETTER, as well as the authors' photos and biographies for 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-TA] Information Theory and Its Applications as a "Journal/Section" on the online screen. **Do not choose [Regular-EA]**. Authors must agree to the "Copyright Transfer and COPYRIGHT TRANSFER, ARTICLE PROCESSING CHARGE AGREEMENT, and

NOTICES FROM THE IEICE AND PRIVACY POLICY" via electronic submission.

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