



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 December 2019.

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, Channel coding, Communication theory, Coding and modulation, Transmission technology, Wideband systems, Wireless communications, Detection and estimation, Stochastic processes, Sequences, Cryptography, Information-theoretic security, Information security, Network coding, Network information theory, Quantum information theory, Quantum coding and cryptography, Image and speech processing, Signal processing, Compressed sensing, Pattern recognition, Statistical machine learning, 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 2018 International Symposium on Information Theory and its Applications (ISITA2018) held at Singapore during October 28-31, 2018, or the 41st Symposium on Information Theory and its Applications (SITA2018) held at Iwaki, Fukushima, Japan during December 18-21, 2018.

The deadline for submission is **January 21, 2019, 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. 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: http://www.ieice.org/eng/shiori/mokuji_ess.html.

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. 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 Page Charge Agreement" via electronic submission.

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Notes:

At least one author of each paper must be a member of the IEICE. We recommend that all authors apply for our membership. For membership applications, please visit the web-page, <http://www.ieice.org/>.

Please note that if the manuscript is accepted for publication, all authors should pay the page charges covering partial cost of publication around August, 2019. If payment is not completed by 15 September, 2019, your manuscript will be handled as rejection.