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 2018.

The objective of this special section is to discuss, through papers, new theoretical developments and techniques in information theory and its applications to real world problems. This 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
- Channel coding
- Coding theory
- Communication theory
- Coding and modulation
- Transmission technology
- Wireless communications
- Optical communications
- Detection and estimation
- Stochastic processes
- Sequence design and analysis
- Cryptography
- Information-theoretic security
- Information theory in networks
- Network coding
- Quantum information theory and coding
- Coding for Data storage
- 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 this Special Section, including those who made a presentation at the 40th Symposium on Information Theory and its Applications (SITA2017) held at Shibata, Niigata, Japan during November 28-December 1, 2017.

The deadline for submission is January 29, 2018, at 23:59 (Japan Time). It is strongly recommended that the length of a PAPER and a LETTER 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. Manuscript should be prepared according to the guideline given in “The Information for Authors.” Its latest version is available at the web site:

http://www.ieice.org/eng/shiori/mokuji_ess.html

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

In this special section papers will be accepted only by electronic submission. Prospective authors are requested to follow carefully 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 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.

ATTENTION: For the submission to this Special Section, 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/

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