

IEICE TRANSACTIONS

IEICE Transactions on Fundamentals of Electronics, Communications and
Computer Sciences

Call for Papers Special Section on Signal Design and its Applications in Communications

The Institute of Electronics, Information and Communication Engineers (IEICE) announces a forthcoming special section on "Signal Design and its Application in Communications" to be published in **December 2018** as a special section of the Transactions on Fundamentals of Electronics, Communications and Computer Sciences. The objective of this special section is to review and promote recent progress in the field of sequence design and its applications. Topics of interest within the scope of this section include, but are not limited to, the following areas:

- New Concepts in Sequence Design
- Theoretical Signal Bounds
- Randomness of Signals
- Signal Acquisition and Tracking
- Sequences and Cryptography
- Approximately Synchronized CDMA Systems
- Signals for UWB/OFDMA/Powerline Systems
- Channel Estimation, Detection and Synchronization
- Big Data Analysis
- Network Coding and Applications
- Discrete Signal Designs and Characteristics
- Signal Design and Finite Fields/Rings
- Multi-dimensional Signal Design
- Spread Spectrum and CDMA Applications
- Sequences and Error Control
- GPS and Other Positioning Signals
- Signals for Multiple-terminal/Radar Systems
- DSP/FPGA/ASIC Implementation Issues
- Privacy and Security
- Compressed Sensing and Sparse Modeling

It is expected that the journal version of a number of high-quality papers presented at the Eighth International Workshop on Signal Design and Its Applications in Communications (IWSDA'17) held in Sapporo, Japan, from September 24 to 28, 2017, will be published in this special section. Open submissions are also welcomed.

- Authors should submit a paper using the IEICE Web site https://review.ieice.org/regist/regist_baseinfo_e.aspx until **December 29, 2017**. Authors should choose the [Special-SD] Signal Design and its Applications in Communications as a "Journal/Section" on the online screen. Do not choose [Regular-EA].
- Meanwhile, "Copyright Transfer and Page Charge Agreement" and "Confirmation Sheet of Manuscript Registration" must be submitted from the same web site as paper submission until **December 29, 2017**.

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- Visit "The Information for Authors" (http://www.ieice.org/eng/shiori/mokuji_ess.html) for paper submission.
- Please note that if accepted, all authors will be requested to pay the page charges (See Information for Authors). This fee will partially cover the cost of publication.
- The page charge depends on the manuscript style, the length and the number of copies you order. Please note that the preferred paper length is 8 printed pages or less and progressively higher charges are applicable to papers with more than 8 pages (See also the Information for Authors).
- Please note that for the submission to this Special Section, at least one author of each paper must be a member of the IEICE. We strongly recommend that all authors apply for our membership. For membership applications, please visit the web-page, <http://www.ieice.org/eng/member/OM-appli.html>.

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