

Special Section on Foundations of Computer Science

~ New Spirits in Theory of Computation and Algorithm ~

submit by March 28, 2014 published in March 2015

The Institute of Electronics, Information and Communication Engineers (IEICE) announces a forthcoming special section on “Foundations of Computer Science ~New Spirits in Theory of Computation and Algorithm~” to be published in Transactions on Information and Systems. We invite submissions of original and unpublished papers which will review and promote recent progress in the field of foundations of computer science.

1. Scope

The following topics fall in the scope of this special section. We however encourage submissions of papers on other topics if they conform the aim of this special section.

- *Theory and Models of Computation* —Turing Machines, Recursive Functions, Rewriting Systems, Parallel and Distributed Computing, Quantum Computing, Molecular Computing
- *Automata and Formal Language Theory* —Grammatical Models of String and Non-String, Applications of Models to Language Processing, Cellular Automata, Coding Theory, Computational Learning Theory
- *Algorithms and Data Structures* —Combinatorial Algorithms, Graph Algorithms, Computational Geometry, Randomized and Approximation Algorithms, Parallel and Distributed Algorithms
- *Computational Complexity Theory* —Computational Complexity, Computability, Circuit Complexity, Communication Complexity

2. Submission Guidelines:

- A manuscript should be prepared according to the guideline given in “*The Information for Authors*” (http://www.ieice.org/eng/shiori/mokuji_iss.html). We encourage the authors to use the IEICE Style File (<http://www.ieice.org/ftp/index-e.html>). The preferred length of the manuscript is 8 pages for a PAPER and 2 pages for a LETTER with the format determined by the IEICE Style File.
- **Submit the manuscript through the IEICE Web site** (https://review.ieice.org/regist/regist_baseinfo_e.aspx). Choose “[**Special-FC**] **Foundations of Computer Science**” in the menu of “Journal/Section” in the submission page.
- Send “*Confirmation Sheet of Manuscript Registration*” and “*Copyright Transfer and Page Charge Agreement*” to the Guest Editor-in-Chief, not later than one week after the submission. Send the forms by E-mail, FAX, or postal mail to the following address of the Guest Editor of this special section.

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- Submission deadline of the manuscript is March 28, 2014.

3. Notice to the Authors:

- If the paper is accepted, authors are requested to pay for the page charge which covers reprints of the paper and partial cost of publications.
- The standard period of 60 days between the notification (of conditional accept) and the second submission can be shortened according as the review schedule.
- **At least one of the authors must be an IEICE member** when the manuscript is submitted for review. Invited papers are an exception. We recommend authors unaffiliated with IEICE to apply for the membership. <<http://www.ieice.org/eng/member/OM-appli.html>>

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