

Call for Papers: ISAAC 2018

The 29th International Symposium on Algorithms and Computation

December 16–19, 2018, Jiaoxi, Yilan County, Taiwan

<http://isaac2018.ie.nthu.edu.tw/>

The 29th International Symposium on Algorithms and Computation (ISAAC 2018) will take place in **Jiaoxi, Yilan County, Taiwan on December 16-19, 2018**. The symposium is intended to provide a forum for researchers working in algorithms and theory of computation. Papers presenting original research on all aspects of algorithms and theory of computation are sought. The topics include, but are not limited to:

- Algorithmic game theory
- Algorithms and data structures
- Approximation algorithms
- Combinatorial optimization
- Computational biology
- Computational complexity
- Computational geometry
- Cryptography
- Experimental algorithmics
- Graph drawing and graph algorithms
- Internet algorithms
- Online algorithms
- Parallel and distributed algorithms
- Quantum computing
- Randomized algorithms

Important Dates

- **Submission deadline:** June 29 (Fri), 2018 (AoE)
- **Acceptance notification:** August 31 (Fri), 2018
- Camera-ready version: September 21 (Fri), 2018
- Early registration: October 5 (Fri), 2018
- **Conference dates:** December 16 (Sun) – 19 (Wed), 2018

Special Workshop

In this year's ISAAC, we will organize a special workshop on Dec. 16 and invite several internationally renowned computer scientists who were born in 1949 or earlier as special guest speakers. The list of speakers is as follows:

Invited Speakers

Tetsuo Asano (JAIST, Japan)

Fan Chung Graham (UC San Diego, USA)

Ronald Graham (UC San Diego, USA)

Leonidas Guibas (Stanford University, USA)

Kurt Mehlhorn (Max Planck, Germany)

Andrew Chi-Chih Yao (Tsinghua, Beijing, China)

Keynote Speakers

Clifford Stein (Columbia University, USA)

Shang-Hua Teng (University of Southern California, USA)

Submissions and Proceedings

Authors are invited to submit an extended abstract or full paper of at most 12 pages (including references, but excluding the optional appendix). The submission should contain a scholarly exposition of ideas, techniques, and results, including motivation and a clear comparison with related work. Authors are encouraged to also make full versions of their submissions freely accessible in an online repository such as ArXiv, ECCC, etc. Papers must not be submitted simultaneously to another conference with refereed proceedings or to a journal. Drafts which contain essentially the same results as papers under review in other conferences or journals cannot be submitted to ISAAC 2018. At least one author of an accepted paper is required to present the paper at the conference as a registered participant. Only electronic submission will be allowed via EasyChair at <https://easychair.org/conferences/?conf=isaac2018>.

The ISAAC 2018 proceedings will be published in the Leibniz International Proceedings in Informatics (LIPIcs) series, based at Schloss Dagstuhl. Submissions should be formatted in the LIPIcs LaTeX style, which is available at <http://drops.dagstuhl.de/styles/lipics-v2018/lipics-v2018-aut-hors.tgz>. Submissions failing to adhere to the guidelines will be rejected without consideration of their merits.

Awards

The Best Paper and the Best Student Paper will be awarded. A paper is eligible for the Best Student Paper if all authors are full-time students at the time of submission. To indicate that a submission is eligible, please add the phrase “Eligible for best student paper” in the web form on the submission server as well as in the paper.

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