

Call for Papers

The 20th International Symposium on Algorithms and Computation (ISAAC 2009)

December 16 - 18, 2009, Hawaii, USA

<http://theory.utdallas.edu/ISAAC2009/>

The 20th International Symposium on Algorithms and Computation (ISAAC 2009) will be held in Hawaii, USA, December 16-18, 2009. The symposium is intended to provide a forum for researchers working in algorithms and theory of computation. Papers presenting original research in the areas of algorithms and theory of computation are sought. Papers in relevant applied areas are also welcome.

Topics

The topics include, but are not limited to:

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

Important Dates

Submission deadline: July 15, 2009

Notification of acceptance: August 30, 2009

Camera-ready submission: September 15, 2009

Invited Speakers

Ronald Graham (University of California, San Diego, USA)

Naoki Katoh (Kyoto University, JAPAN)

Program Committee co-Chairs

Yingfei Dong (University of Hawaii, USA)

Ding-Zhu Du (University of Texas at Dallas, USA)

Oscar Ibarra (University of California, Santa Barbara, USA)

Organizing Committee Chairs

Local Arrangement Chair:

Yingfei Dong (University of Hawaii, USA)

Publicity Chair:

Donghyun Kim (University of Texas at Dallas, USA)

Venue

The conference will be held at Ala Moana Hotel, Oahu, Hawaii, USA.

Paper Submission

The submission should contain a scholarly exposition of ideas, techniques, and results, including motivation and a clear comparison with related work. The length of the submission should not exceed 12 pages in LNCS style. Submitted papers must describe work not previously published. They must not be submitted simultaneously to another conference with refereed proceedings or to a journal. We regard the following case as a simultaneous submission. Submission of drafts which contain the essentially same results from papers under review in other conferences or journals at the moment of the submission. Only electronic submission (pdf) will be allowed via the [Springer Online Conference System \(OCS\)](#).

Publication

The symposium proceedings will be published by Springer-Verlag in **Lecture Notes in Computer Science** series. Selected papers will be invited to **Journal of Combinatorial Optimization**, **Theoretical Computer Science**, **Algorithmica**, **Discrete Mathematics**, **Algorithms and Applications**, and **International Journal of Foundations of Computer Science**.

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" as the last sentence in the "Abstract" field in the web form on the submission server as well as in the paper.

Contact: isaac09.chairs@gmail.com

