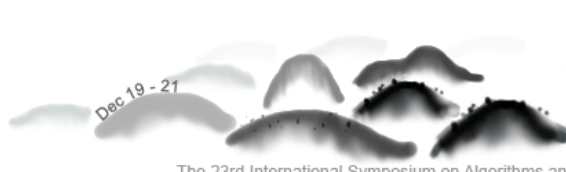




National Taiwan University, Taipei, Taiwan



The 23rd International Symposium on Algorithms and Computation



The 23rd International Symposium on Algorithms and Computation (ISAAC 2012)

December 19-21, 2012

National Taiwan University, Taipei, Taiwan

<http://www.csie.ntu.edu.tw/isaac2012>

The 23rd International Symposium on Algorithms and Computation (ISAAC 2012) will be held in Taipei, Taiwan, December 19-21, 2012. 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:

- ✧ Algorithmic game theory
- ✧ 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

Paper submission deadline: June 22, 2012

Notification of acceptance: August 24, 2012

Camera-ready version due: September 21, 2012

Invited Speakers

Timothy M. Chan

Erik D. Demaine

John E. Hopcroft

Symposium Chair

Der-Tsai Lee

Program Committee Co-Chairs

Kun-Mao Chao

Tsan-sheng Hsu

Organizing Committee Chair

Hung-Lung Wang

Publication

The symposium proceedings will be published by Springer-Verlag in the *Lecture Notes in Computer Science (LNCS)* series. Selected papers will be invited to special issues of *Algorithmica*, *Theoretical Computer Science*, and *International Journal of Computational Geometry and Applications*.

Paper Submission

The submission should contain a scholarly exposition of ideas, techniques, and results, including motivation and a clear comparison with related work. The main text of the submission, including title, abstract, and references, should not exceed 10 pages in *LNCS* style. An optional appendix should be used to provide proof details that do not fit in the main text. Submitted papers must describe work not previously published. They 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 at the moment of submission cannot be submitted to *ISAAC 2012*. Only electronic submission will be allowed via the easychair submission server:

<http://www.easychair.org/conferences/?conf=isaac2012>.

Awards

A Best Paper and a Best Student Paper will be awarded. A paper is eligible for the Best Student Paper Award 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 the Best Student Paper Award" in the abstract.

Contact: isaac2012@csie.ntu.edu.tw

Symposium Chair

Der-Tsai Lee National Chung Hsing University/Academia Sinica, Taiwan

Program Committee

Greg Aloupis Université Libre de Bruxelles, Belgium
Lars Arge Aarhus University, Denmark
Tetsuo Asano JAIST, Japan
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