



ISAAC 2015

December 9-11, 2015 | Nagoya, Japan | www.al.cm.is.nagoya-u.ac.jp/isaac2015

Important Dates

Submission due / June 19, 2015
Notification / August 31, 2015
Final version / September 21, 2015

Invited Speakers

Constantinos Daskalakis (MIT)
Ravindran Kannan (Microsoft Research India)
Thomas Rothvoss (University of Washington)

Committees

Conference Co-Chairs

Tomio Hirata (Nagoya University, Japan)
Ken-ichi Kawarabayashi (NII, Japan)

Program Committee

Sang Won Bae (Kyonggi U, Korea)
Mark de Berg (TU Eindhoven, the Netherlands)
Hubert Chan (HKU, Hong Kong)
Kai-Min Chung (Academia Sinica, Taiwan)
Adrian Dumitrescu (U Wisconsin-Milwaukee, USA)
Khaled Elbassioni (Masdar Institute, UAE, **co-chair**)
Amr Elmasry (Alexandria U, Egypt)
Xin Han (Dalian U Technology, China)
Seok-Hee Hong (U Sydney, Australia)
Tsan-Sheng Hsu (Academia Sinica, Taiwan)
Zhiyi Huang (HKU, Hong Kong)
Naonori Kakimura (U Tokyo, Japan)
Shuji Kijima (Kyushu U, Japan)
Tamas Kiraly (Eotvos U, Hungary)
Yusuke Kobayashi (U Tokyo, Japan)
Michal Koucky (Charles U, Czech Republic)
Michael Lampis (U Paris Dauphine, France)
Meena Mahajan (IMS, India)
Kazuhisa Makino (Kyoto U, Japan, **co-chair**)
Julian Mestre (U Sydney, Australia)
Danupon Nanongkai (KTH Royal Ins. Tech, Sweden)
Konstantinos Panagiotou (U. Munich, Germany)
Periklis Papakonstantinou (Tsinghua U, China)
Seth Pettie (U Michigan, USA)
Saurabh Ray (NYUAD, UAE)
Thomas Sauerwald (U Cambridge, UK)
Saket Saurabh (IMS, India)
Jeong Seop Sim (Inha U, Korea)
Rahul Shah (Louisiana State U, USA)
Rene Sitters (VU Amsterdam, the Netherlands)
Rob van Stee (U Leicester, UK)
Chaitanya Swamy (U Waterloo, Canada)
Hing-Fung Ting (HKU, Hong Kong)
Yuichi Yoshida (NII, Japan)
Guochuan Zhang (Zhejiang U, China)

The 26th International Symposium on Algorithms and Computation (ISAAC 2015) will be held in Nagoya, Japan during December 9-11, 2015. 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 welcomed.

Paper Submission

The submission should contain a scholarly exposition of ideas, techniques, and results, including motivation and a comparison with related work. The main text, including title, abstract, and references, should not exceed 11 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 unpublished work. Authors should not submit papers with the same results or essentially the same results that are accepted or published or under review by a conference with refereed proceedings or a journal. Only electronic submission will be allowed and only pdf files will be accepted. It will be done via EasyChair:

<https://www.easychair.org/conferences/?conf=isaac2015>

At least one author of an accepted paper is expected to present the paper at the conference as a registered participant.

Publication

The proceedings will be published by Springer-Verlag in the *LNCS* series. Selected papers will be invited to special issues of *Algorithmica* and *International Journal of Computational Geometry and Applications*.

Awards

A Best Paper and a Best Student Paper may 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.

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
Quantum computing	Randomized algorithms
Parallel and Distributed algorithms	

This conference is sponsored by Kayamori Foundation of Information Science Advancement, Nagoya University, Grant-in-Aid for Scientific Research on Innovative Areas "Exploring the limits of computation (ELC)", "JST ERATO Kawarabayashi Large Graph Project and "JST CREST Foundations of Innovative Algorithms for Big Data".

