

Call for Papers

ISAAC 2006

The 17th Annual International Symposium on Algorithms and Computation
December 18-20, Kolkata, India

Scope: The 17th International Symposium on Algorithms and Computation (ISAAC 2006) will take place at Kolkata, India, December 18-20, 2006. 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 design and analysis of algorithms, computational complexity, and theory of computation are sought. The topics include but are not limited to:

- Algorithms and data structures
- approximation algorithms
- combinatorial optimization
- computational biology
- computational complexity
- computational geometry
- computational linguistics
- cryptography
- experimental algorithm methodologies
- graph drawing and graph algorithms
- Internet algorithms
- online algorithms
- parallel and distributed algorithms
- randomized algorithms
- quantum computing

The conference proceedings will be published by Springer in its Lecture Notes in Computer Science (LNCS) series. Selected papers will be invited to special issues of *Algorithmica* and *International J. on Computational Geometry and Applications*. The best paper and the best student paper will be awarded. Please indicate "student paper" on the front page. The student's supervisor may be a coauthor of the paper.

Submissions: Both papers reporting on original research unpublished elsewhere and surveys of important results are welcome. Authors should submit an extended abstract (not a full paper), not exceeding 10 single-spaced pages on A4 (or US letter) paper, including references, figures, title, authors, affiliations, e-mail addresses, and a short (one paragraph) abstract. Use reasonable margins and at least 10-point font. Please use the L^AT_EX style file supplied by Springer Verlag for Lecture Notes in Computer Science (see <http://www.springer.de/comp/lncs/authors.html>). Final proceedings papers must be camera-ready in this format.

Submission web page:

<http://www.easychair.org/ISAAC06/>

Conference web site

<http://www.iscal.ac.in/~isaac06/>

Important Dates:

Submission deadline June 28, 2006 (Honolulu time)
Notification of acceptance August 21, 2006
Camera-ready copies September 19, 2006
Early Registration: September 30, 2006
Symposium December 18-20, 2006

Chief Patron:

Sankar K. Pal
Director, Indian Statistical Institute, India

Conference Chair:

Bhargab B. Bhattacharya
Indian Statistical Institute, Kolkata, India

Program Chair:

Tetsuo Asano
Japan Advanced Institute of Science and Technology, Japan

Organizing Chair:

Subhas C. Nandy
Indian Statistical Institute, Kolkata, India

Finance Chair:

Arijit Bishnu
Indian Institute of Technology Kharagpur, India

Invited Speakers:

Tamal Dey (Ohio State University, USA)
Kazuo Iwama (Kyoto University, Japan)

Program Committee:

Hee-Kap Ahn (KAIST, Korea)
Tetsuo Asano (JAIST, Japan, Chair)
Mikhail Atallah (Purdue U., USA)
Chanderjit Bajaj (U. Texas Austin, USA)
Sergey Bereg (U. Texas Dallas, USA)
Somenath Biswas (IIT Kanpur, India)
Tamal Dey (Ohio State U., USA)
Benjamin Doerr (Max Planck Inst., Germany)
Subir Ghosh (TIFR, India)
Mordecai J. Golin (Hong Kong UST, Hong Kong)
John Iacono (Polytechnic U., USA)
Chuzo Iwamoto (Hiroshima U., Japan)
Rolf Klein (U. Bonn, Germany)
Sang-Ho Lee (Ewha Womans U., Korea)
Kazuhisa Makino (U. Tokyo, Japan)
Pat Morin (Carleton U., Canada)
Stephan Naeher (U. Trier, Germany)
Subhas Chandra Nandy (ISI Kolkata, India)
Giri Narasimhan (Florida International U., USA)
Ashwin Nayak (U. Waterloo & Perimeter, Canada)
Kunsoo Park (Seoul Nat. U., Korea)
Md. Saidur Rahman (BUET, Bangladesh)
Desh Ranjan (New Mexico S.U., USA)
Peter Sanders (U. Karlsruhe, Germany)
Sandeep Sen (IIT Delhi, India)
Sung Yong Shin (KAIST, Korea)
Hisao Tamaki (Meiji U., Japan)
Akihisa Tamura (Keio U., Japan)
Seinosuke Toda (Nihon U., Japan)
Takeshi Tokuyama (Tohoku U., Japan)
Ryuhei Uehara (JAIST, Japan)
Gabriel Valiente (Tech. U. of Catalonia, Spain)
Alexander Wolff (U. Karlsruhe, Germany)

Remark: At least one author of each accepted paper must pay registration fee before September 30, 2006. Without the registration fee, papers may be excluded from the list of accepted papers.