2007 Conference on Analysis of Algorithms (AofA'07)
Juan des Pins, France, June 17-22, 2007
http://aofa2007.org

Keynote speakers:
Persi Diaconis (Stanford, USA)
László Lovász (Microsoft, USA)
Madhu Sudan (MIT, USA)
Wojciech Szpankowski (Purdue, USA)

Survey/Tutorial speakers:
Mireille Bousquet-Mélou (LABRI, France)
Luc Devroye (McGill, Canada)
Philippe Flajolet (INRIA, France)

Program Committee:
Alberto Apostolico (Georgia Tech, USA)
Brigitte Chauvin (U. Versailles, France)
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Philippe Jacquet, chair (INRIA, France)
Hosam Mahmoud (Washington, USA)
Conrado Martínez (UPC, Spain)
Michael Mitzenmacher (Harvard, USA)
Daniel Panario (Carleton, Canada)
Nicholas Pippenger (Princeton, USA)
Helmut Prodinger (Stellenbosch, S. Africa)
Bruno Salvy (INRIA, France)
Gilles Schaeffer (E. Polytechnique, France)
Gadiel Seroussi (MSRI, USA)
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Alfredo Viola (Uruguay)
Peter Winkler (Dartmouth, USA)

Steering Committee:
Philippe Flajolet (INRIA, France)
Donald E. Knuth (Stanford, USA)
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Wojciech Szpankowski (Purdue, USA)

The 2007 Conference on Analysis of Algorithms (AofA'07), will be held in Ambassadeurs Hotel Juan des Pins http://www.hotel-ambassadeur.com near Antibes and Nice, France on June 17-22, 2007.

Analysis of algorithms is a scientific basis for computation, providing a link between abstract algorithms and the performance characteristics of their implementations in the real world. The general effort to precisely predict the performance of algorithms has come to involve research in analytic combinatorics, the analysis of random discrete structures, asymptotic analysis, exact and limiting distributions, and other fields of inquiry in computer science, probability theory, and enumerative combinatorics.

We invite papers in

- analytic algorithmics and combinatorics,
- probabilistic analysis of algorithms,
- randomized algorithms.

We welcome papers addressing problems such as: combinatorial algorithms, string searching and pattern matching, sublinear algorithms on massive data sets, network algorithms, graph algorithms, caching and memory hierarchies, indexing, data mining, data compression, coding and information theory, and computational finance. Papers are also welcome that address bridges to research in related fields such as statistical physics, computational biology, computational geometry, and simulation. The scientific program will include keynote talks, survey talks on important trends in the analysis of algorithms, and contributed research papers. There will be ample time for discussion and debate.

Submissions

Authors are invited to submit 10-page extended abstracts by 23:59 CEST, February 19th, 2007. See http://aofa2007.org for a web form and further information about submissions.

Presenters must have submitted the final versions of their papers in order to be able to present them at the conference. The conference proceedings will be published electronically by DMTCS (see http://dmtcs.loria.fr/proceedings/) with hardcopy available at the conference.

Submission deadline: February, 19th, 2007
Notification: April 11, 2007
Final version: May 20, 2007