Call for Papers
2005 Conference on Analysis of Algorithms (AofA’05)
Barcelona, Spain, June 6-10, 2005
http://www.lsi.upc.edu/~aofa05

Plenary Speakers (confirmed):
Alan Frieze (Carnegie-Mellon, USA)
Nicholas Pippenger (Princeton, USA)
Helmut Prodinger (U. Wits, S. Africa)
Robert Sedgewick (Princeton, USA)

Program Committee:
Luc Devroye (McGill, Canada)
Michael Drmota (TU-Wien, Austria)
Martin Dyer (U. Leeds, UK)
Mordecai Golin (UST, Hong-Kong)
Hsien-Kuei Hwang (A. Sinica, Taiwan)
Philippe Jacquet (INRIA, France)
Richard Ladner (U. Washington, USA)
Conrado Martínez (UPC, Spain; chair)
Ian Munro (U. Waterloo, Canada)
Ralph Neininger (U. Frankfurt, Germany)
Daniel Panario (Carleton, Canada)
Prabhakar Raghavan (Verity, USA)
Dana Randall (Georgia Tech, USA)
Frank Ruskey (U. Victoria, Canada)
Gregory B. Sorkin (IBM, USA)
Brigitte Vallée (U. Caen, France)
Alfredo Viola (U. República, Uruguay)

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

Organizing Committee:
Jordi Petit (UPC, Spain; chair)

Submissions:
Deadline: February, 20th, 2005
Notification: March, 28th, 2005
Final version: April, 17th, 2005

The 2005 Conference on Analysis of Algorithms (AofA’05),
will be held in Barcelona on June 6-10, 2005.
Analysis of algorithms is a scientific basis for computation,
providing a link between abstract algorithms and the per-
formance characteristics of their implementations in the real
world.
We invite papers in
• Probabilistic analysis of algorithms
• Randomized algorithms
• Analytic combinatorics
• Algorithm design and engineering
that address problems related to predicting the performance
of algorithms in applications areas such as combinatorial algo-
rithms, string searching and pattern matching, database sys-
tems and data warehousing, sublinear algorithms on massive
data sets, network design and routing, graph-processing algo-
rithms, caching and memory hierarchies, clustering, indexing,
and data mining, data and image compression, coding and in-
formation theory, computational finance, ... Papers are also
welcome that address bridges to research in related fields such
as statistical physics, computational biology, simulation and
computational geometry.
The scientific program will include invited talks, contributed
research papers, a poster session, and ample time for discus-
sion and debate of topics in the analysis of algorithms.

Submissions
Authors are invited to submit 10-page extended ab-
stracts by 23:59 CEST, February 20th, 2005. See
http://www.lsi.upc.edu/~aofa05 for a web form and further
information about submissions.
Notification of acceptance or rejection will be sent by the
end of March, 2005. The deadline for receipt of papers in
final version will be in mid-April. 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.