APPROX 2008 and RANDOM 2008

11th Intl. Workshop on Approximation Algorithms for Combinatorial Optimization Problems - APPROX 2008
12th Intl. Workshop on Randomization and Computation - RANDOM 2008

http://cui.unige.ch/tcs/random-approx/

25-27 August 2008
MIT

Call for papers

SCOPE

The 11th. International Workshop on Approximation Algorithms for Combinatorial Optimization Problems (APPROX'2008), and the 12th. International Workshop on Randomized Techniques in Computation (RANDOM'2008) will be held at the Kiva-Patil seminar room, Building 32 (Ray and Maria Stata Center) - MIT, on August 25-27, 2008.

APPROX'2008 focuses on algorithmic and complexity theoretic issues relevant to the development of efficient approximate solutions to computationally difficult problems, while RANDOM'2008 focuses on applications of randomness to computational and combinatorial problems. RANDOM'2008 is the twelfth workshop in the series; APPROX'2008 is the eleventh in the series.

TOPICS

Papers are solicited in all research areas related to randomization and approximation, including, but not limited to:

APPROX

- design and analysis of approximation algorithms
- hardness of approximation
- small space, sub-linear time, and streaming
- algorithms
- embeddings and metric space methods
- mathematical programming methods
- combinatorial problems in graphs and networks
- game theory, markets, and economic applications
- geometric problems
- packing, covering, and scheduling
- approximate learning
- other applications

RANDOM

- design and analysis of randomized algorithms
- randomized complexity theory
- pseudorandomness and derandomization
- random combinatorial structures
- random walks/Markov chains
- expander graphs and randomness extractors
- probabilistic proof systems
- random projections and embeddings
- error-correcting codes
- average-case analysis
- property testing
- computational learning theory

SUBMISSIONS

Abstract Format: Electronic submissions are solicited. Please consult the following servers:
For submission of APPROX papers:
http://www.easychair.org/APPROX2008/
For submission of RANDOM papers:
http://www.easychair.org/RANDOM2008/

Note: You will be asked to login using an EasyChair account.
Directions on how to register for such an account

are available at the submission servers (you may also have an old account from a previous conference submission).

The submission must be received by **17:00pm (PDT) of April 7** for it to be considered.

Abstract Format: Authors should submit an extended abstract (not a full paper). An abstract should start with the title of the paper, each author's name, affiliation, and e-mail address, followed by a one-paragraph summary of the results to be presented.
This should then be followed by a technical exposition of the main ideas and techniques used to achieve these results including motivation and a clear comparison with related work.
The abstract should not exceed 10 single-spaced pages on letter-size paper, using reasonable margins and at least 11-point font. If the authors believe that more details are essential to substantiate the main claims of the paper, they may include a clearly marked appendix that will be read at the discretion of the program committee.

Simultaneous submission

Simultaneous submission to other conferences with published proceedings is not allowed.

PROCEEDINGS

Proceedings will be published in the Springer-Verlag series Lecture Notes in Computer Science. Previous proceedings of APPROX appeared as LNCS 1444, 1671, 1913, 2129, 2462, 2764, 3122, 3624, 4110 and 4627 while previous proceedings of RANDOM appeared as LNCS 1269, 1518, 1671, 2129, 2483, 2764, 3122, 3624, 4110, 4627 and as Proceedings in Informatics 8.

IMPORTANT DATES

- Submission deadline: April 7, 2008
- Notification to authors: May 23, 2008
- Camera ready: June 15, 2008

PROGRAM COMMITTEES

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Timothy Chan, *University of Waterloo*
Julia Chuzhoy, *Toyota Technological Institute*
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Martin Strauss, *University of Michigan*
Eric Vigoda, *Georgia Tech*
David Woodruff, *IBM Almaden*

PROGRAM CHAIRS

APPROX
Ashish Goel, Stanford University
email: ashishg@stanford.edu

RANDOM
Ronitt Rubinfeld, MIT
email: ronitt@csail.mit.edu

WORKSHOP CHAIRS

Klaus Jansen, U. of Kiel
e-mail: kj@informatik.uni-kiel.de

José Rolim, U. of Geneva
e-mail: rolim@cui.unige.ch

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