

APPROX 2013 and RANDOM 2013

16th Intl. Workshop on Approximation Algorithms for Combinatorial Optimization Problems
APPROX 2013

&

17th Intl. Workshop on Randomization and Computation RANDOM 2013

<http://cui.unige.ch/tcs/randomapprox/>

Aug. 21-23, 2013
Berkeley

Call for papers

SCOPE

16th Intl. Workshop on Approximation Algorithms for Combinatorial Optimization Problems
APPROX 2013

17th Intl. Workshop on Randomization and Computation RANDOM 2013

The 16th. International Workshop on Approximation Algorithms for Combinatorial Optimization Problems (APPROX'2013), and the 17th. International Workshop on Randomization and Computation (RANDOM'2013) will be held in 2123 August 2013 at Berkeley.

APPROX'2013 focuses on algorithmic and complexity theoretic issues relevant to the development of efficient approximate solutions to computationally difficult problems, while RANDOM'2013 focus on applications of randomness to computational and combinatorial problems.

RANDOM'2013

is the seventeenth workshop in the series; APPROX'2013 is the sixteenth 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 algorithm
- hardness of approximation
- small space, sublinear 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
- errorcorrecting codes
- averagecase 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/conferences/?conf=approx13>

For submission of **RANDOM** papers: <http://www.easychair.org/conferences/?conf=random13>

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 17** for your submission 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 email address, followed by a oneparagraph 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 singlespaced pages on lettersize paper, using reasonable margins and at least 11point font (not including the references). 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 SpringerVerlag 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

Submissions: April 17

Notifications: June 11

Camera ready: June 18

PROGRAM COMMITTEES

Approx

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CONFERENCE WEB PAGE

<http://cui.unige.ch/tcs/randomapprox/>