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 21-23 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
Nikhil Bansal  Eindhoven University
Chandra Chekuri  UIUC
Eden Chlamtac  Ben Gurion University
Nikhil Devanur  Microsoft Research
Uriel Feige  Weizmann Institute
Claire Mathieu  Brown University
Ankur Moitra  Institute for Advanced Study
Seffi Naor  Technion University
Yuval Rabani  Hebrew University
Prasad Raghavendra  University of California, Berkeley (Chair)
Roy Schwartz  Microsoft Research
Mohit Singh  Microsoft Research
Ola Svensson  EPFL
Mohammadtaghi Hajiaghayi  University of Maryland, College Park
Madhur Tulsiani  TTI Chicago
Rico Zenklusen  John Hopkins University

Random
Amit Chakrabarti  Dartmouth College
Nikolaos Fountalakis  University of Birmingham
Ariel Gabizon  Technion
Parikshit Gopalan  Microsoft Research, Silicon Valley
Dan Gutfreund  IBM Research, Haifa
Prahladh Harsha  Tata Institute of Fundamental Research, India
Thomas Hayes  University of New Mexico
Michael Krivelevich  Tel Aviv University
Shachar Lovett  UCSD
Russell Martin  University of Liverpool
Dieter van Melkebeek  University of WisconsinMadison
Sofya Raskhodnikova  Pennsylvania State University (Chair)
Shubhangi Saraf  Rutgers University
Christian Sohler  TU Dortmund University
David P. Woodruff  IBM Research, Almaden
Amir Yehudayoff – Technion

Program Chairs

APPROX
Prasad Raghavendra  University of California, Berkeley
email: prasad@cs.berkeley.edu

RANDOM
Sofya Raskhodnikova  Pennsylvania State University
email:sofya@cse.psu.edu
Workshop Chairs
José Rolim, U. of Geneva
email: jose.rolim@unige.ch
Klaus Jansen, U. of Kiel
email: kj@informatik.unikiel.de

CONFERENCE WEB PAGE
http://cui.unige.ch/tcs/randomapprox/