

RANDOM 2016

The 20th International Workshop on
Randomization and Computation

and

APPROX 2016

The 19th International Workshop on
Approximation Algorithms for
Combinatorial Optimization Problems

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

September 7-9, 2016

Institut Henri Poincaré, Paris

CFP - Call for papers

SCOPE:

The 20th International Workshop on Randomization and Computation (RANDOM'2016) and the 19th International Workshop on Approximation Algorithms for Combinatorial Optimization Problems (APPROX'2016) will be held on September 7-9, 2016 at the Institut Henri Poincaré, Paris, organized by IRIF (CNRS and Université Paris Diderot).

RANDOM'2016 focuses on applications of randomness to computational and combinatorial problems while APPROX'2016 focuses on algorithmic and complexity theoretic issues relevant to the development of efficient approximate solutions to computationally difficult problems.

TOPICS :

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

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

APPROX

- approximation algorithms
- hardness of approximation
- small space, sub-linear time and streaming algorithms online algorithms
- approaches that go beyond worst case analysis
- distributed and parallel approximation
- embeddings and metric space methods
- mathematical programming methods
- spectral methods
- combinatorial optimization in graphs and networks
- algorithmic game theory, mechanism design and economics
- computational geometric problems
- approximate learning

IMPORTANT DATES :

Submissions deadline: Tuesday, April 19 , 2016

Notifications: Wednesday, June 22 ,2016

Camera ready: Friday, July 1, 2016

SUBMISSIONS :

Abstract Format: Electronic submissions are solicited. Please consult the following servers:

For submission of APPROX papers: <http://www.easychair.org/conferences/?conf=approx2016>

For submission of RANDOM papers: <http://www.easychair.org/conferences/?conf=random2016>

Note: You will be asked to login using an EasyChair account. Instructions 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 15:00 (PDT) of April 19 for your submission to be considered.

Submission Format: Submissions should start with the title of the paper, each author's name, affiliation, and e-mail address, followed by a brief abstract of the results to be presented. This should then be followed by a technical exposition on single-spaced pages on letter-size paper, using reasonable margins and at least 11-point font. The first 10 pages should contain the main ideas and techniques used to achieve the results including motivation and a clear comparison with related work (not including the references). There is no page limit but any material beyond the first 10 pages will be read at the sole discretion of the program committee.

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

PROCEEDINGS :

Accepted papers will be published in the online proceedings of the conference in the Leibniz International Proceedings in Informatics (LIPIcs) series, based at Schloss Dagstuhl. This guarantees perennial, free and easy electronic access, while the authors retain the rights over their work.

PROGRAM CHAIRS :

RANDOM

Chris Umans - Caltech

email: umans@cms.caltech.edu

APPROX

Claire Mathieu – (CNRS and ENS Paris)

email: clairemmathieu@gmail.com

WORKSHOP CHAIRS :

José Rolim - University of Geneva

e-mail: jose.rolim@unige.ch

Klaus Jansen - University of Kiel

e-mail: kj@informatik.uni-kiel.de

PROGRAM COMMITTEES :

RANDOM 2016:

Chris Umans (Caltech, Chair)
Mahdi Cheraghchi (Imperial College, London)
Elena Grigorescu (Purdue)
Neeraj Kayal (MSR Bangalore)
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