Call for Papers

31st International Conference on Probabilistic, Combinatorial and Asymptotic Methods for the Analysis of Algorithms (AofA 2020)

Klagenfurt, Austria, June 15–19, 2020

The 31st International Conference on Probabilistic, Combinatorial and Asymptotic Methods for the Analysis of Algorithms will be held in Klagenfurt, Austria, June 15–19, 2020. Friday, June 19th is devoted to one or two minisymposia. The website of the event is https://www.math.aau.at/AofA2020/.

Program Committee:

Olivier Bodini, Université Paris-Nord, France
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Scope. Analysis of algorithms is a scientific basis for computation, providing a link between abstract algorithms and the performance characteristics of their implementations in the real world. The general effort to predict precisely the performance of algorithms has come to involve research in analytic combinatorics, the analysis of random discrete structures, asymptotic analysis, exact and limiting distributions, and other fields of inquiry in computer science, probability theory, and enumerative combinatorics. See http://aofa.cs.purdue.edu/.

We invite papers in

- analytic algorithmics and combinatorics,
- probabilistic analysis of algorithms,
- randomized algorithms.

We also welcome papers addressing problems such as: combinatorial algorithms, string searching and pattern matching, sublinear algorithms on massive data sets, network algorithms, graph algorithms, caching and memory hierarchies, indexing, data mining, data compression, coding and information theory, and computational finance. Papers are also welcome that address bridges to research in related fields such as statistical physics, computational biology, computational geometry, and simulation.

Confirmed keynote speakers:

Mireille Bousquet-Mélou, Université de Bordeaux, France
James Allen Fill, Johns Hopkins University, USA
Malwina Luczak, University of Melbourne, Australia
Andrew Rechnitzer, University of British Columbia, Canada

Flajolet Award Lecture:

Wojciech Szpankowski, Purdue University, USA

Submissions. We invite you to submit an extended abstract (12 pages) or a short abstract for a poster (2 pages). Instructions for Authors can be found at

https://www.math.aau.at/AofA2020/calls/.

The proceedings will be published electronically in LIPIcs (Leibniz International Proceedings in Informatics).

Important dates:
The submission deadline has been extended.
Submission deadline: **January 10, 2020** ~~January 3, 2020~~
Notification: **March 2, 2020**
Final version: **March 23, 2020**
Poster submission deadline: **April 1, 2020**