The 35th International Conference on Probabilistic, Combinatorial and Asymptotic Methods for the Analysis of Algorithms will be held in Bath, UK, June 17–21, 2024. The event website is https://www.math.aau.at/AofA2024/.

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 precisely predict 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 https://www.math.aau.at/AofA/.

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.

Important dates:
Submission deadline: 6 March 2024
Notification: 28 April 2024
Final version: 19 May 2024

Submissions:
We invite you to submit an extended abstract of up to 12 pages (excluding references). Appendices can be included in addition to that. They will be read at the Program Committee’s discretion, but cannot be included in the conference proceedings. Instructions for Authors can be found at https://www.math.aau.at/AofA2024/calls/.

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

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Cécile Mailler, University of Bath
Sebastian Wild, University of Liverpool

Confirmed keynote speakers:
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Sylvie Corteel, CNRS and Université Paris Cité, France
Michael Drmota, TU Wien, Austria
Antoine Genitrini, Sorbonne Université, France
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