Call for Papers

27th International Conference on Probabilistic, Combinatorial and Asymptotic Methods for the Analysis of Algorithms (AofA 2016)

Krakow, Poland, July 4–8, 2016

The 27th International Conference on Probabilistic, Combinatorial and Asymptotic Methods for the Analysis of Algorithms will be held in Krakow, Poland, on July 4–8, 2016. The website of the event is

http://www.aofa2016.meetings.pl/.

Program Committee:

Nicolas Broutin, INRIA Rocquencourt, France

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Michael Drmota, TU Vienna, Austria

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Stephan Wagner, Stellenbosch Univ., South Africa

Marek Zaionc (co-chair), JU Kraków, Poland

Steering Committee:

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Bob Sedgewick, Princeton Univ., USA

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Organization/Contact:

Marek Zaionc, JU Kraków, Poland

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Katarzyna Grygiel, JU Kraków, Poland

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 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:

Jean Bertoin, Zürich Univ., Switzerland

Paweł Błasiak, Polish Academy of Sciences, Kraków, Poland

Hsien-Kuei Hwang, Academia Sinica, Taipeh, Taiwan

Bob Sedgewick, Princeton Univ., USA — FLAJOLET LECTURE

Wojtek Szpankowski, Purdue Univ., USA

Nick Wormald, Monash Univ., Australia

Submissions. We invite you to submit an extended abstract (12 pages) or a short abstract for a poster (2 pages) via the Easy-Chair system:

https://easychair.org/conferences/?conf=aofa2016.

The proceedings will be published electronically and selected papers will be published after the conference in the journal ***Combinatorics, Probability and Computing.***

Important dates:

Submission deadline: **February 12, 2016**.

Notification: **April 22, 2016**.

Final version: **May 13, 2016**.

Early registration: **May 13, 2016**.

If you intend to submit a paper, please consider submitting a title and a short abstract early.