CALL FOR PAPERS

30th ACM Symposium on
PARALLELISM IN ALGORITHMS AND ARCHITECTURES (SPAA)
Vienna, Austria
July 16–18, 2018
`http://spaa.acm.org`

Abstract registration:	February 6, 2018 (23:59 EST)
Full paper submission:	February 13, 2018 (23:59 EST)
Rebuttal period:	April 2–4, 2018
Notification:	April 18, 2018

Submissions are sought in all areas of parallel algorithms and architectures, broadly construed, including both theoretical and experimental perspectives. Topics of interest include, but are not limited to:

- Parallel and Distributed Algorithms
- Parallel and Distributed Data Structures
- Parallel Complexity Theory
- Scheduling in Parallel Systems
- Compilers and Tools for Concurrent Programming
- Mobile, Ad-Hoc, Wireless and Sensor Networks
- Fault Tolerance and Reliability
- Self-Stabilization and Self-Organization
- Algorithms for Social Networks
- Game Theory and Collaborative Learning
- Network Algorithms
- Resource Management and Awareness
- Parallel and Distributed Issues in Big Data
- Parallel and Distributed Architectures
- Multiprocessor and Multicore Architectures
- Transactional Memory Hardware and Software
- Instruction Level Parallelism and VLSI
- Specification and Verification of Concurrent Systems
- Algorithms for GPUs and Heterogeneous Hardware
- High-Performance Computing and Architectures
- Green & Power-Efficient Algorithms and Architectures
- Security and Privacy in Parallel/Distributed Systems
- Biological Distributed Algorithms
- Algorithms for Routing and Information Dissemination
- I/O Algorithms and Architectures
- Peer-to-Peer Systems

Regular papers: Regular papers should report on original research, submitted exclusively to this conference. Submissions may not exceed ten (10) single-spaced double-column pages, in addition to references and an optional appendix. Papers will be judged based on quality, not their length—shorter papers are welcome. All necessary details to substantiate the main claims of the paper should be included either in the body of the paper or in a clearly marked appendix.

Brief announcements: SPAA also solicits brief announcements that raise issues of interest to the SPAA community. Brief announcements may not exceed two (2) single-spaced double-column pages, in addition to references and an optional appendix. Examples of good brief announcements include: (i) papers previously published elsewhere of interest to SPAA, (ii) work in progress, (iii) announcement of tools/libraries, (iv) challenge problems posted to the community, (v) corrections to earlier results. Brief announcements may also include smaller results of interest.

Authors may request that a regular paper be considered as a brief announcement. As far as possible, the program committee will remain blind to this request until status as a regular paper has been resolved. Such a request will not affect the chances the manuscript be accepted as a regular paper.

Submission details: Manuscripts submitted for review must use a single-spaced double-column format for 8.5 × 11-inch paper, use at least a 9-point font size, and have reasonable margins and spacing throughout. Submissions may, but are not required to, adopt the final ACM sigconf format from `https://www.acm.org/publications/proceedings-template`. Regular papers may not exceed ten (10) pages and brief announcements may not exceed two (2) pages. References and the appendix do not count toward the limit, but everything else does. Visit `http://spaa.acm.org` for submission details.

Awards: Every regular paper is eligible for the **best paper award.**

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