

CALL FOR PAPERS

23rd ACM Symposium on PARALLELISM IN ALGORITHMS AND ARCHITECTURES (SPAA)

San José, California, USA

June 4–6, 2011

<http://www.spaa-conference.org>

(Part of the 2011 Federated Computing Research Conference (FCRC 2011))

SCOPE: Contributed papers are sought in *all* areas of parallel algorithms and architectures, encompassing any computational system that can perform multiple operations or tasks simultaneously. Topics of interest include, but are not limited to:

- Parallel and Distributed Algorithms
- Green Computing & Power-Efficient Architectures
- Parallel Complexity Theory
- Multi-Core Architectures
- Compilers and Tools for Concurrent Programming
- Transactional Memory Hardware and Software
- Game Theory and Collaborative Learning
- Resource Management and Awareness
- Mobile, Ad-Hoc, and Sensor Networks
- Synergy of parallelism in algorithms, programming and architecture
- Parallel and Distributed Data Structures
- Management of Massive Data Sets
- Parallel and Distributed Architectures
- Instruction Level Parallelism and VLSI
- Supercomputer Architecture and Computing
- The Internet and the World Wide Web
- Routing and Information Dissemination
- Peer-to-Peer Systems
- Robustness, Self-Stabilization, and Security

CONFERENCE PRESENTATION:

Regular presentations will be allotted a 25-minute talk and up to 10 pages in the proceedings. This format is intended for contributions reporting original research, submitted exclusively to this conference.

Brief announcements will be allotted a 10-minute talk and a two-page abstract in the proceedings. This format is a forum for brief communications, which may be published later in other conferences.

Every regular paper is eligible for the **best paper award**. The program committee may decline to make this award or may split the award among multiple papers.

SUBMISSIONS: Authors of contributed papers are encouraged to submit their manuscript electronically. To submit electronically, visit <http://www.spaa-conference.org> for instructions. *This is the preferred method of submission.* Authors unable to submit electronically should contact the program chair Rajmohan Rajaraman at rraj@ccs.neu.edu to receive instructions.

The cover page should include (1) title, (2) authors and affiliation, (3) postal and email address of the contact author, (4) a brief abstract describing the content of the paper, and (5) an indication if this is a regular presentation or a SPAA brief announcement. If requested by the authors, an extended abstract that is not selected for a regular presentation will also be considered for the SPAA brief announcements.

Submissions for *regular presentations* should include an introduction understandable to a nonspecialist including motivation and previous work, and a technical exposition directed to a specialist. A submission should not exceed 10 printed pages in 11-point type or larger (excluding cover, figures, and references). More details may be supplied in a clearly marked appendix to be read at the discretion of the program committee.

A submission for *brief announcements* should be no longer than three pages (excluding the cover page) using at least 11-point font.

IMPORTANT DATES:

Submission deadlines: **January 12, 2011**, 11:59 p.m. EST for regular papers and **January 19, 2011**, 11:59 p.m. EST for brief announcements.

PROGRAM COMMITTEE:

Marcos K. Aguilera (Microsoft Research)	Susanne Albers (Humboldt U.)	Anne Beniot (ENS Lyon)
Konstantin Busch (Louisiana State U.)	Shimin Chen (Intel Research)	Frank Dehne (Carleton U.)
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Geppino Pucci (U. Padova)	Andrea W. Richa (Arizona State U.)	Christian Schindelhauer (U. Freiburg)
Sivan Toledo (Tel Aviv U.)	Roger Wattenhofer (ETH Zurich)	Jennifer Welch (Texas A&M)

CONFERENCE ORGANIZATION:

Conference Chair: Friedhelm Meyer auf der Heide (U. of Paderborn)

Program Chair: Rajmohan Rajaraman (Northeastern U.)

Treasurer: David Bunde (Knox College)

Publicity Chair: Andrea Richa (Arizona State U.)

Local Arrangements: FCRC Organizing Committee
(Dean Tullsen, UCSD)

Secretary: Christian Scheideler (U. Paderborn)