

# CALL FOR PAPERS

## 21st ACM Symposium on PARALLELISM IN ALGORITHMS AND ARCHITECTURES (SPAA)

Calgary, Canada

August 11-13, 2009

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

(Co-located with 28th ACM Symposium on the Principles of Distributed Computing (PODC))

**SCOPE:** Contributed papers are sought in *all* areas of parallel algorithms and architectures. SPAA defines the term “parallel” broadly, 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 and Applications
- 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
- Parallel and Distributed Data Structures
- 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.

The best regular paper will be given a **best paper award**.

**SUBMISSIONS:** Authors of contributed papers are encouraged to submit their manuscript electronically. To submit electronically, visit <http://www.spaa-conference.org/submission.html> for instructions. *This is the preferred method of submission.* Authors unable to submit electronically should contact the program chair Michael Bender at [bender@cs.sunysb.edu](mailto:bender@cs.sunysb.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. Such a request will not affect the consideration of the paper for a regular presentation.

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 using at least 11-point font.

### IMPORTANT DATES:

Submission deadlines: **February 18, 2009**, 5:59 p.m. EST (10:59 pm GMT) for regular papers and **February 23, 2009**, 5:59 p.m. EST for brief announcements.

Notification: **April 22, 2009**. Camera-ready copy due: **May 28, 2009**.

### PROGRAM COMMITTEE:

Michael Bender (Stony Brook U.)	Nikhil Bansal (IBM T. J. Watson)	Gerth Brodal (University of Aarhus)
Jeremy Fineman (MIT)	Seth Gilbert (EPFL)	Rachid Guerraoui (EPFL)
Goran Konjevod (Arizona State U.)	Fabian Kuhn (MIT)	Riko Jacob (TU Munich)
Vitus Leung (Sandia National Labs)	Victor Luchangco (Sun Microsystems)	Cynthia Phillips (Sandia National Labs)
Kirk Pruhs (U. Pittsburgh)	Tatiana Shpeisman (Intel Labs)	Sivan Toledo (Tel-Aviv)
Denis Trystram (ENSIMAG)	Lisa Zhang (Bell Labs)	

### CONFERENCE ORGANIZATION:

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

**Program Chair:** Michael Bender (Stony Brook U.)

**Treasurer:** David Bunde (Knox College)

**Publicity Chair:** Andrea Richa (Arizona State U.)

**Local Arrangements:** Petra Berenbrink (Simon Fraser U.)

Lisa Higham, Philipp Woelfel (U. of Calgary)

**Secretary:** Christian Scheideler (TU Munich)