CALL FOR PAPERS

Nineteenth Annual ACM Symposium on PARALLELISM IN ALGORITHMS AND ARCHITECTURES (SPAA)

June 9 – 11, 2007, San Diego, CA, USA

http://www.spaa-conference.org

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. Thus, the call for papers covers both traditional parallel and distributed algorithms and architectures as well as the Internet, the web, peer-to-peer and sensor networks, multi-core architectures, quantum and DNA computing, etc. Topics of interest include, but are not limited to:

- Parallel and Distributed Algorithms
- Parallel Complexity Theory
- Parallel and Distributed Architectures
- Game Theory
- Instruction Level Parallelism and VLSI
- Routing and Information Dissemination
- Peer-to-Peer Systems
- Robustness and Security
- Compilers and Tools for Parallel Computation
- Supercomputer Architecture and Computing
- Parallel and Distributed Data Structures
- Parallel Computing and Applications
- The Internet and the World Wide Web
- Collaborative Learning
- Multi-Core Architectures
- Resource Management and Awareness
- Mobile Ad-Hoc and Sensor Networks
- Self-Stabilization
- Quantum and DNA Computing
- Metacomputing

CONFERENCE PRESENTATION: *Regular presentations* will be alloted 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 alloted a 10-minute talk and a one-page abstract in the proceedings. This format is a forum for brief communications, which may be published later in other conferences.

New this year: 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 Christian Scheideler at `scheideler@in.tum.de` 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. It 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 camera-ready copy of each accepted paper must be prepared according to ACM guidelines for inclusion in the conference proceedings.

A submission for *brief announcements* should be no longer than 3 pages on letter-sized paper using at least 11-point font. A camera-ready copy of each accepted abstract must to be prepared according to ACM guidelines for inclusion in the proceedings of the conference.

IMPORTANT DATES:
Submission deadlines: **December 18, 2006**, 5:59 p.m. EST (10:59 pm GMT) for regular papers and **January 8, 2007**, 5:59 p.m. EST for brief announcements
Notification: **February 11, 2007**. Camera-ready copy due: **April 2, 2007**.

PROGRAM COMMITTEE:

Frank Dehne (Carleton U.)	Cyril Gavoille (U. Bordeaux)	Mike Goodrich (UC Irvine)
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CONFERENCE ORGANIZATION:

Conference Chair: Phil Gibbons, *Intel Research*
Local Arrangements: FCRC Local Arrangements Committee
Publicity Chair: Michael Bender, *SUNY Stony Brook*
Program Chair: Christian Scheideler, *TU Munich*
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