CALL FOR PAPERS

Tenth Annual ACM Symposium on PARALLEL ALGORITHMS AND ARCHITECTURES (SPAA)

June 28 – July 2, 1998

Puerto Vallarta, Mexico

`http://www.cs.dartmouth.edu/SPAA/`

`http://www.uni-paderborn.de/cs/SPAA/`

Sponsored by ACM SIGACT and SIGARCH

The Tenth Annual ACM Symposium on Parallel Algorithms and Architectures (SPAA'98) is sponsored by the ACM Special Interest Groups for Algorithms Complexity Theory (SIGACT) and Computer Architecture (SIGARCH) and organized in cooperation with the European Association for Theoretical Computer Science.

CONTRIBUTED PAPERS: Contributed papers are sought in the areas of parallel algorithms and architectures, at all levels of parallelism, from VLSI to instruction-level parallelism to SMPs to supercomputers. A major goal of SPAA is to foster communication and cooperation among the diverse communities involved in the theory and practice of parallel computing, including those involved in systems, algorithms, languages, and applications. Papers should present original, fundamental advances in parallel computing. The Symposium encourages papers that offer novel approaches to parallel computing, present new ideas in parallel algorithms or architectures (including novel algorithm implementations on real machines and innovative use of technology), present models for accounting for costs on parallel machines, or study the interaction of parallel algorithms, languages and architectures. Papers must not be submitted to any other conference with published proceedings.

NEW THIS YEAR: The Symposium especially encourages papers in **Parallel I/O** and **Parallel Databases**. SPAA'98 will be collocated with the Seventeenth ACM Symposium on Principles of Distributed Computing (**PODC'98**). The two conferences will both run June 28–July 2 with joint receptions, plenary sessions, and food breaks. SPAA'98 will also feature a "SPAA Revue" session, with invited presentations, posters, and demonstrations of current research. Further information on the conference, including workshops and details of local arrangements, can be found at the SPAA web pages (URLs are given above).

SUBMISSIONS: Authors are encouraged to submit their draft papers electronically. A detailed description of the electronic submission process can be found at the SPAA web pages. Alternatively, authors may send 14 double-sided hard copies of their draft paper to:

Phillip B. Gibbons, SPAA'98 Program Chair
Bell Laboratories, Room 2A-220
600 Mountain Avenue
Murray Hill, NJ 07974-0636

The deadline for submissions is **JANUARY 16, 1998**. Inquiries may be addressed to Ms. Amy Axelrod (phone: (908) 582-4707; fax: (908) 582-1239; amya@research.bell-labs.com). Interested SPAA Revue participants should contact Eric Schwabe at schwabe@ece.nwu.edu by February 20, 1998.

PAPER SUBMISSION FORMAT: The cover page should include (1) title, (2) authors and affiliation, (3) e-mail address of the contact author, and (4) a brief abstract describing the work. The draft 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.

NOTIFICATION: Authors will be sent notification of acceptance or rejection by e-mail on or before March 10, 1998. A camera-ready copy of each accepted paper, prepared according to ACM guidelines, must be received by April 7, 1998. Accepted papers will be allotted a 25-minute presentation at the conference.

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