

Call For Papers

1993 ACM Symposium on Theory of Computing

The Twenty-fifth Annual *ACM Symposium on Theory of Computing (STOC)*, sponsored by the *ACM Special Interest Group for Automata and Computability Theory*, will be held in San Diego, California, May 16-18, 1993. Papers presenting original research on theoretical aspects of computer science are sought. Typical but not exclusive topics of interest include: algorithms and data structures, automata and formal languages, computability and complexity, computational geometry, cryptography, databases, logics of programs, machine learning, parallel and distributed computation, robotics, semantics of programming languages, VLSI layout and design.

Abstract submission: Authors are requested to send sixteen copies (two sided copies if possible) of a detailed abstract (not a full paper) by Nov. 19, 1992 to:

Alok Aggarwal
IBM T. J. Watson Res. Center
P. O. Box 218, Rm. 36-245
Route 134
Yorktown Heights, NY 10598, USA

Authors from locations where access to reproduction facilities is severely limited may submit a single copy of their abstract. An abstract should start with a succinct statement of the problem, the results achieved, their significance and a comparison with previous work. This material should be understandable to nonspecialists. A technical exposition directed to the specialist should follow. The length, excluding cover page and bibliography, should not exceed 10 pages. The typeset should be easy to read, using 11 point font size or more, with margins on all four sides of at least 1.25 inches per side on U. S. standard 8.5 by 11 inch paper (or equivalent). If authors believe more details are necessary to substantiate the main claims of their paper, they may include a clearly marked appendix that will be read at the discretion of the program committee. If possible, an e-mail address for the contact author should be included. Abstracts deviating significantly from these guidelines will be rejected without consideration of their merits.

An abstract must be received by Nov. 19 (or postmarked by Nov. 16 and sent airmail). This is a **firm** deadline. Simultaneous submission of the same abstract to STOC and to another conference with published proceedings is not allowed.

Notification: Authors will be notified of acceptance or rejection by a letter mailed on or before February 1, 1993. A final copy of each accepted paper is required by March 19, 1993. Again this is a **firm** deadline. At least one author of each accepted paper should attend the symposium and present the paper, or make alternative arrangements to have the paper presented.

Best student paper award: A prize of \$500 will be given to the best paper written solely by one or more students. An abstract is eligible if all authors are full-time students at the time of submission. This should be indicated in the submission letter. The program committee may decline to make the award or may split it among several papers.

Committee members: The program committee consists of Alok Aggarwal (chair), Richard Beigel, Sandeep Bhatt, Avrim Blum, Michael Goodrich, Paris Kanellakis, Joe Kilian, Anna Karlin, Tom Leighton, Michael Paterson, David Peleg, Martin Tompa, Pravin Vaidya, Chee Yap, Andrew Yao.

The Conference Chair is David S. Johnson, Room 2D-150, AT & T Bell Laboratories, Murray Hill, NJ 07974. This year, STOC is being held as part of the Federated Computer Science Conference (FCRC). FCRC is the result of an NSF-commissioned study to see if Computer Science could be better served by a major research forum that brings together its various subdisciplines. To retain the research identity of existing conferences and similar meetings, FCRC will be a federation of these meetings; in particular, they have their usual program committees and their own conference proceedings. There will be plenary sessions of invited speakers to bring together all participants. Synergy and greater visibility, as well as time and cost savings, could be expected.