

## CALL FOR PAPERS

### 1990 ACM SYMPOSIUM ON THEORY OF COMPUTING

The Twenty-Second Annual ACM Symposium on Theory of Computing (STOC), sponsored by the ACM Special Interest Group for Automata and Computability Theory, will be held in Baltimore, Maryland, May 14–16, 1990. 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 thirteen copies of a detailed abstract (not a full paper) by Nov. 14, 1989 to:

Harold N. Gabow  
Department of Computer Science  
University of Colorado at Boulder  
Campus Box 430  
Boulder, Colorado 80309

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 double-spaced pages (about 2,500 words). An abstract deviating significantly from these guidelines risks rejection without consideration of its merits.

An abstract must be received by Nov. 14 (or postmarked by Nov. 10 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. The only exception is the STRUCTURES 1990 conference, where dual submission is governed by a separate agreement.

**NOTIFICATION:** Authors will be notified of acceptance or rejection by a letter mailed on or before Jan. 22, 1990. A final copy of each accepted paper is required by March 12, 1990. Again this is a **firm** deadline. The copy may be either on special forms, which will be sent to the authors, or typeset as 8 1/2 × 11 pages. Each accepted paper will be presented at the Symposium.

**BEST STUDENT PAPER AWARD:** This 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 Baruch Awerbuch, Bernard Chazelle, Fan Chung, Ronald Fagin, Harold Gabow, Oded Goldreich, S. Rao Kosaraju, Dexter Kozen, Ian Munro, John Reif, Janos Simon and Manfred Warmuth. Information about local arrangements can be obtained from the Conference Chairman:

S. Rao Kosaraju  
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Johns Hopkins University  
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