

Call For Papers 1994 Symposium on Foundations of Computer Science

The Thirty-fifth Annual *Symposium on Foundations of Computer Science (FOCS)*, sponsored by the *IEEE Computer Society Technical Committee on Mathematical Foundations of Computing*, will be held in Santa Fe, New Mexico, November 20–22, 1994. Original research papers 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, and VLSI layout and design. **Abstract submission:** Authors are requested to send 16 copies (*preferably two sided copies*) of a detailed abstract (not a full paper) to be received by Tuesday, May 3, 1994 to:

Shafi Goldwasser
FOCS 94 Program Chair
Laboratory for Computer Science
Massachusetts Institute of Technology
545 Technology Square, NE43-330
Cambridge, MA 02139, 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, preferably using 11 point font size (and a minimum of 10 point) on U.S. standard 8 1/2 by 11 inch paper (Authors from other countries can deviate from these guidelines but should adhere to the spirit of readability). If authors believe that more details are necessary to substantiate the main claims of the paper, they may include a clearly marked appendix that will be read at the discretion of the Program Committee. If available, an e-mail address for the contact author should be included. An abstract deviating significantly from these guidelines will be rejected without consideration of its merits. An abstract must be received by May 3, 1994 (or postmarked by April 27 and sent airmail). This is a **firm** deadline. Simultaneous submission of the same abstract to FOCS 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 July 15, 1994. A final copy of each accepted paper is required by September 5, 1994. This is a **firm** deadline. The copy may be either on special forms, which will be sent to the authors, or typeset on 8 1/2 by 11 inch pages. An author of each accepted paper must attend the Symposium and present the paper, or make alternative arrangements to have the paper presented. **Machtley award:** This prize 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 Avrim Blum, Anne Condon, Oded Goldreich, Shafi Goldwasser, Johan Håstad, Howard Karloff, Laszlo Lovasz, Yishay Mansour, Friedhelm Meyer auf der Heide, Satish Rao, Raimund Seidel, Victor Shoup, Éva Tardos, Moshe Vardi, and Mihalis Yannakakis. Information about local arrangements can be obtained from the Local Arrangements Chairman:

Sorin Istrail
Sandia National Laboratories
Department 1423, Algorithms and Discrete Mathematics
MS 1110
Albuquerque, NM 87185-1110, USA
phone: (505) 845-7612 fax: (505) 845-7442