

Call For Papers

1990 IEEE Symposium on Foundations of Computer Science

The 31st Annual IEEE Symposium on Foundations of Computer Science, sponsored by the Computer Society's Technical Committee on Mathematical Foundations of Computing, will be held in St. Louis, Missouri on October 22-24, 1990. Papers presenting original research on theoretical aspects of computer science are sought. Topics include but are not limited to the following:

- Algorithms and Data Structures
- Automata and Formal Languages
- Computability and Complexity Theory
- Computational Geometry and Robotics
- Cryptography
- Databases
- Logic and Semantics of Programs
- Machine Learning
- Parallel and Distributed Computation
- VLSI Computation and Design

Authors are requested to send 15 copies of an extended abstract (not a full paper) by **April 24, 1990** to the Program Committee chair:

Mihalis Yannakakis
Room 2C-319
AT&T Bell Laboratories
600 Mountain Avenue
Murray Hill, NJ 07974

Submissions or revisions received after April 24, 1990 will not be considered. Authors will be notified of acceptance or rejection by June 25, 1990. A camera ready copy of each accepted paper, prepared in a special format for inclusion in the Symposium proceedings, will be due by August 10, 1990.

Simultaneous submission of the same abstract to FOCS and to another conference with published proceedings is not allowed. The only exception is the COLT'90 workshop, where dual submission is governed by a separate agreement.

Submission Format: An abstract should start with a succinct statement of the problem, the main results achieved, an explanation of their significance, and a comparison to previous work. This material should be readily understandable to non-specialists. Technical development, directed toward the specialist, should follow as appropriate. The entire extended abstract must not exceed 2500 words or 10 double-spaced pages. Abstracts deviating significantly from these guidelines will not be considered.

Meeting Format: Authors of accepted papers will be expected to present their work at the Symposium. The format of the meeting, including time allocations for presentations and scheduling of sessions, will be determined by the Program Committee. The Program Committee plans to accept again this year more papers and compose a program of parallel sessions, if warranted by the quality of the submitted papers.

Machtey Award for Best Student Paper: This award of up to \$400, to help defray the expenses for attending the Symposium, will be given for that paper which the Program Committee judges to be the most outstanding paper written solely by a student or students. To be considered for the award, an abstract must be accompanied by a letter identifying all authors as full-time students at the time of submission. At its discretion, the Committee may decline to make the award or may split the award among two or more papers.

Committee Members: The program committee consists of Don Coppersmith, David Dobkin, Greg Frederickson, David Haussler, Richard Ladner, Michael Luby, Gary Miller, Vijaya Ramachandran, Larry Stockmeyer, Moshe Vardi, Vijay Vazirani, Jeff Vitter and Mihalis Yannakakis.

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