Call for Papers

1989 IEEE Symposium on Foundations of Computer Science

The 30th Annual IEEE Symposium on Foundations of Computer Science will be held at the Sheraton Imperial Hotel, Research Triangle North Carolina October 30 - November 1, 1989. The Symposium is sponsored by the IEEE Computer Society's Technical Committee on Mathematical Foundations of Computing.

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 in Computer Science
- Machine Learning
- Parallel and Distributed Computation
- VLSI Computation and Design

Persons wishing to submit a paper should send 15 copies of an extended abstract by **May 2, 1989** to the program committee chair:

Zvi Galil
Department of Computer Science
Columbia University
450 Computer Science Building
500 West 120th Street
New York, New York 10027

Submissions or revisions received after May 2, 1989 will not be considered. Authors will be notified of acceptance or rejection by June 30, 1989. A camera ready copy of each accepted paper, prepared in a special format for inclusion in the Symposium proceedings, will be due by August 15, 1989.

Submission format: Abstracts should begin with a succinct statement of the problems that are considered in the paper, the main results achieved, an explanation of the significance of the work, and a comparison to past research. This material should be readily understandable to nonspecialists. 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 substantially more papers than in previous years and will 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 accompanaied 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.

Conference Chair	Program Committee Chair	Local Arrangements Chair
Christos Papadimitriou	Zvi Galil	John Reif
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Program Committee

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