

CALL FOR PAPERS

1981 IEEE SYMPOSIUM ON
FOUNDATIONS OF COMPUTER SCIENCE

The 22nd IEEE Symposium on Foundations of Computer Science (FOCS), sponsored by the IEEE Computer Society Technical Committee for Mathematical Foundations of Computing, will be held in Nashville, TN, on October 28-30, 1981. Papers describing original research on theoretical aspects of computer science are being sought.

SUGGESTED TOPICS. Typical, but not exclusive topics of interest are:

Analysis of Algorithms (Hardware and Software)
Automata and Language Theory
Computational Complexity
Logics and Semantics of Programs
Mathematical Aspects of Programming Languages and Systems
Models of Computation
Performance Bounds for Computational Problems.

SUBMISSION OF PAPERS. Authors are requested to send ten copies of a detailed abstract by April 15, 1981, to the Program Chairman,

Dr. Arnold L. Rosenberg
IBM Research Center
P. O. Box 218
Yorktown Heights, NY 10598.

- * Abstracts should not exceed 2500 words in length -- roughly ten double-spaced typewritten pages (not counting figures). Authors are welcome to append supplementary material to the abstract, with the understanding that such material will be read only at the discretion of individual Program Committee members. Submissions not partitioned by the author into (ten-page) abstract and appendix will be partitioned by the Program Chairman.
- * Abstracts must describe the original research presented, and its relation with extant work, in sufficient detail to allow the Program Committee to apply uniform criteria for acceptance.
- * The Program Committee will screen all submitted papers in making its selections, but this screening should not be considered refereeing.

Authors will be notified of acceptance or rejection of their papers by June 15, 1981. For inclusion in the Symposium Proceedings, a copy of each accepted paper, typed on provided forms and accompanied by a signed copyright release form, will be due at the above address by August 15, 1981.

MEETING FORMAT. Each accepted paper will be assigned either a short (10-15 minute) or long (20-25 minute) time period for presentation. Authors are invited to specify their preference for a short or long slot, but the decision will be made by the Program Committee in a way felt to promote the quality of the program as a whole. Length of presentation will neither be noted nor affect page allocation in the Proceedings; and requested length will not affect acceptance of the paper.

MACHTEY AWARD FOR BEST STUDENT PAPER. This award, of up to \$250 to help defray expenses for attending the Symposium, will be given for that paper which the Program Committee adjudges the most outstanding solely student-authored paper. 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.)

SYMPOSIUM COMMITTEE.

Program: E. Clarke, D. Kozen, H. T. Kung, N. Pippenger, A. Rosenberg, D. Rosenkrantz, R. Sedgewick, A. Selman, I. H. Sudborough, A. Yasuhara

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