



Call for Papers

Structure in Complexity Theory Conference

2-5 June 1986

University of California, Berkeley, Ca.

The conference will focus on the global aspects of computational complexity theory and the structural properties of both complexity classes and complexity-bounded reducibilities. Topics of interest will include, but not be limited to, the following issues in complexity theory:

- Structure of complexity classes
- Properties of NP-complete sets
- Relations between complexity classes
- Resource-bounded reducibilities
- Theory of relativizations
- Recursion theoretic aspects
- Kolmogorov complexity and randomness
- Crypto-complexity
- Applications of finite model theory
- Independence results

Original research papers and technical expository talks are sought. Authors can anticipate 40 minutes for presenting research papers and 60 minutes for presenting expository talks. Send 10 copies of an extended abstract or full draft paper by **November 29, 1985** to

Alan L. Selman
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Ames, Iowa 50011, U.S.A.

The Program Committee consists of Ron Book, Juris Hartmanis, Harry Lewis, Steve Mahaney (co-Chair), Ken McAloon, Alan Selman (co-Chair), Mike Sipser, Peter van Emde Boas, and Paul Young. Some members of the program committee will also present talks, some of which will be technical expository talks providing perspective on their current research programs.

Supported by the National Science Foundation; funds will be available for limited support of participants. Held in cooperation with ACM SIGACT and the IEEE Computer Society Technical Committee for Mathematical Foundations of Computing.

Conference Proceedings will be published by Springer-Verlag as an issue in the Lecture Notes in Computer Science series. Authors will be notified of acceptance or rejection by January 31, 1986. Final papers are due March 21, 1986.