Structure in Complexity Theory Conference

Announcement and Call for Papers

A conference is being planned that will focus on global aspects of computational complexity theory and structural properties of both complexity classes and complexity-bounded reducibilities. This conference will take place at the University of California, Berkeley, June 2 through June 5, 1986, the week immediately following the ACM - STOC Symposium to be held on the Berkeley campus also.

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
Computer Science Department
Iowa State University
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.

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