Symposium on Theory of Computing

May 28-30, 1986
Berkeley, California

Tuesday evening, May 27, 1986
6:00 Reception in Great Hall, Dwight/Derby Complex

Wednesday morning, May 28, 1986
Chair: Silvio Micali, MIT

8:30 Parallel Hashing - An Efficient Implementation of Shared Memory. Anna R. Karlin, Stanford, and En I. Wolf, IBM Almaden.

8:45 Limiting the Power of Concurrent-Write Parallel Machines, Paul Beame, U. Toronto.

9:00 Lower Bounds for Parallel Computation. Ming Li and Yasuyuki Toda, Ohio State.


10:00 Coffee Break

10:30 Linear Programming with Two Variables per Inequality in Poly-Log Time. George S. Lueker, UC Irvine, and MSRI. Nimrod Megiddo, IBM Almaden, Tel Aviv U., and MSRI, and Vijaya Ramachandran, U. Illinois, Urbana and MSRI.

10:55 Deterministic Counting and accelerating algorithms: Mean and Mean Techniques for Designing Parallel Algorithms. Richard Cole, NYU, and Uri Vazhkun, NYU and Tel Aviv U.

11:20 Introducing Efficient Parallelism into Approximate String Matching. Ged M. Landau, Tel Aviv U., and Uri Vazhkun, NYU and Tel Aviv U.


12:10 Lunch

Thursday afternoon
Chair: Maria Klawe, IBM Almaden


3:40 Coffee Break

Chair: Neil Immerman, Yale

4:00 Classifying Learnable Geometric Concepts via the Vapnik-Chervonenkis Dimension. Anselm Blumer, U Denver, Andreas Ehrenfeucht, U Colombo, Bob Dahlke, U Deaver, and Manfred Warmuth, UC Santa Cruz.

4:25 Reasoning about Fair Concurrent Programs: Stochastic Counterexamples, AT&T Bell Labs, Moshe Vardi, IBM Almaden, and Pierre Wolper, AT&T Bell Labs.

4:50 A Note on the One-Way Functions and Polynomial-Time Isomorphisms. Rolf Ko, U Houston, and MSRI. Timothy J. Long, Ohio State, and Ling-Zhi Du, MSRI.


Thursday evening
6:30 Reception and Banquet, University Art Museum, Bancroft Way.