The papers in this volume were presented at the 1995 IEEE 36th Annual Symposium on Foundations of Computer Science (FOCS'95), sponsored by the IEEE Computer Society Technical Committee on Mathematical Foundations of Computing. The conference was held in Milwaukee, Wisconsin, October 23-25, 1995.

The program committee met on June 24th and 25th, and selected 70 papers from the 196 extended abstracts submitted for review. The submissions were not refereed, and many of them represent reports of continuing research. It is expected that most of these papers will appear in a more complete and polished form in scientific journals in the future. In addition, Jean-Claude Latombe, Leslie Valiant, and Mihalis Yannakakis were invited to give plenary lectures, reprinted in these proceedings.

The committee selected the papers, “Spectral Methods for Matrix Rigidity with Applications to Size-Depth Tradeoffs and Communication Complexity” by Satyanarayana V. Lokam and “A Representation of Cuts within 6/5 Times the Edge Connectivity with Applications” by Andras A. Benczur, to receive the Machtey Award, given to the best student-authored papers.

The committee wishes to thank all of those who submitted papers for consideration, as well as the individuals who helped with the process of evaluating the extended abstracts. A list of the latter is given on the following page.

The program committee consisted of Pankaj Agarwal, László Babai, John Canny, Edith Cohen, Steve Cook, Cynthia Dwork, Martin Dyer, Uri Felge, Wolfgang Paul, Nick Pippenger, Serge Plotkin, Prabhakar Raghavan, Steven Rudich, Umesh Vazirani, and Andrew Yao.

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