Preface

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The papers in this volume were accepted for presentation at the Twenty-Fifth Annual IEEE Conference on Computational Complexity, held June 9-11, 2010 at Harvard University in Cambridge, Massachusetts. The conference is sponsored by the IEEE Computer Society Technical Committee on Mathematical Foundations of Computing, in cooperation with the ACM Special Interest Group on Algorithms and Computation Theory (SIGACT) and the European Association for Theoretical Computer Science (EATCS).

The call for papers sought original research papers in all areas of computational complexity theory. Of the 76 submissions the program committee selected 25 for presentation at the conference. In addition, the program committee invited Subhash Khot, Ran Raz, and Oded Regev to give survey talks on specific topics of current interest. Articles based on their talks are included in this volume.

The program committee also invited Juris Hartmanis to deliver the keynote address at a banquet commemorating the twenty-fifth anniversary of the conference. The banquet is made possible through generous gifts from Google, Microsoft, IBM, and Yahoo!

The program committee, the local organizing committee, and the conference committee would like to thank everyone involved in the conference, including: the keynote speaker, the other invited speakers, all those who submitted papers for consideration, and the reviewers (listed separately) for their scientific contributions; Paul Beame, Jin-Yi Cai, Lance Fortnow, Martin Grohe, Johan Hastad, Yuval Ishai, Madhu Sudan, Avi Wigderson, and especially Oded Goldreich for their advice on various aspects of the conference; Shai Halevi for the software to run the electronic program committee meeting; Carol Harlow for her work on local arrangements; Matt Anderson, Michelle Craft, and Jeff Kinne for their technical assistance; and Patrick Kellenberger for the production of this volume.

On behalf of all committee members, welcome to the conference!

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Program Committee Chair