

FOCS 2022 Preface

The papers in these proceedings were presented at the 63rd Annual IEEE Symposium on the Foundations of Computer Science, which was held on October 31 – November 3, 2022, in Denver, CO, USA. The conference is sponsored by the IEEE Computer Society Technical Committee on Mathematical Foundations of Computing.

The call for papers sought original research papers in all areas of the theory of computation. The program committee met via video conference in a series of meetings during the period June 27-30, 2022 following an intensive period of electronic discussion. Of the 296 submissions, the committee selected 110 for presentation at the conference. Following long-standing tradition, the papers at the conference have not been formally refereed, and it is expected that extended versions of most of these papers will be published in peer-reviewed journals.

I would like to thank all authors who submitted papers. I am grateful to the program committee members, listed on a separate page, for the major effort they put into evaluating many submissions within a relatively short period. Thanks also to the 503 external reviewers, listed on a separate page, for their expert opinions. I am also grateful to the other organizers of the conference: the general chair, Shanghua Teng, who gave me much advice, the local arrangements co-chair, Alexandra Kolla, who assisted with many tasks related to the organization of the conference, and the finance chair, Rong Ge. In addition, I would like to thank numerous other FOCS/STOC chairs for their advice, either directly or indirectly via being passed down through generations of chairs. Finally, I would like to thank Lisa O’Conner and Patrick Kellenberger of the IEEE Computer Society for helping in the production of this volume, and Esther Bae for all her contributions in planning the conference.

Jelani Nelson,

FOCS 2022 Program Committee Chair