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Preface

This volume contains the papers presented at COCOA 2019: the 13th Annual International Conference on Combinatorial Optimization and Applications held during December 13–15, 2019, in Xiamen, China. The conference was motivated by the recent advances in the areas of combinatorial optimization and its applications. COCOA was designed to be a forum for the researchers working in the area of theoretical computer science, combinatorics, and corresponding applications to discuss and express their views on current trends, challenges, and state-of-the-art solutions related to various theoretical issues as well as real-world problems.

The technical program of the conference included 49 contributed papers selected by the Program Committee from a number of 108 full submissions received in response to the call for papers. All the papers were peer-reviewed by at least three Program Committee members or external reviewers. The topics cover most aspects of theoretical computer science and combinatorics related to computing, including combinatorial optimization, geometric optimization, complexity and data structures, graph theory, etc.

We would like to thank the Program Committee members and external reviewers for volunteering their time and effort to review and discuss the conference papers. We would like to extend a special thanks to the steering and general chairs of the conference for their leadership, and to the finance, publication, publicity, and local organization chairs for their hard work in making COCOA 2019 a successful event. Last but not least, we would like to thank all the authors for contributing and presenting their work at the conference.

October 2019

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