

Preface

The 11th Annual International Conference on Combinatorial Optimization and Applications (COCOA 2017) was held during December 16–18, 2017, in Shanghai, P.R. China. COCOA 2017 provided a forum for researchers working in the area of theoretical computer science and combinatorics.

The technical program of the conference included 59 regular papers selected by the Program Committee from 145 full submissions received in response to the call for papers. Each submission was peer-reviewed by at least three, and on average 3.8, Program Committee members or external reviewers. The topics cover most aspects of theoretical computer science and combinatorics related to computing, including classic combinatorial optimization, geometric optimization, complexity and data structures, graph theory, etc. We also selected 19 short papers to demonstrate various applications in the related areas. Some of the papers were selected for publication in special issues of *Algorithmica*, *Theoretical Computer Science*, and *Journal of Combinatorial Optimization*. It is expected that the journal version of the papers will appear in a more complete form.

We thank everyone who made this meeting possible: the authors for submitting papers, the Program Committee members, and external reviewers for volunteering their time to review conference papers. Our sponsors include the Advanced Network Laboratory (ANL) from Shanghai Jiao Tong University, the GPS Laboratory from Nanjing University, the Research Institute for Interdisciplinary Sciences (RIIS) from Shanghai University of Finance and Economics, and the Cardinal Operations (shanshu.ai) company, China. We would also like to extend special thanks to the chairs and conference Organizing Committee for their work in making COCOA 2017 a successful event.

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