

Preface

The Eighth Annual International Conference on Combinatorial Optimization and Applications (COCOA 2014) was held during December 19–21, 2014, in Maui, Hawaii, USA. COCOA 2014 provides a forum for researchers working in the area of theoretical computer science and combinatorics.

The technical program of the conference includes 56 contributed papers selected by the Program Committee from 133 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. In addition to selected papers, the conference also included one invited presentation by My T. Thai

The topics cover most aspects of theoretical computer science and combinatorics related to computing, including classic combinatorial optimization, geometric optimization, network optimization, optimization in graphs, applied optimization, complexity, cryptography and game, and miscellaneous. Some of the papers will be selected for publication in special issues of Algorithmic, Theoretical Computer Science (TCS), and Journal of Combinatorial Optimization (JOCO). It is expected that the journal version papers will appear in a more complete form.

The proceeding also includes eight papers selected from a workshop on computational social networks (CSoNet 2014) co-located with COCOA 2014, held during December 19–21, 2014. We appreciate the work by the CSoNet Program Committee that helped with enriching the conference topics.

We thank all the people 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. We would like to extend special thanks to the publication, publicity, and local organization chairs for their hard work in making COCOA 2014 a successful event.

September 2014

Xiaodong Hu
Weili Wu

Combinatorial Optimization and Applications

8th International Conference, COCOA 2014, Wailea,
Maui, HI, USA, December 19-21, 2014, Proceedings

Zhang, Z.; Wu, L.; Xu, W.; Du, D.-Z. (Eds.)

2014, XV, 774 p. 218 illus., Softcover

ISBN: 978-3-319-12690-6