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Combinatorial Optimization and Applications

4th International Conference, COCOA 2010
Kailua-Kona, HI, USA, December 18-20, 2010
Proceedings, Part I

Springer

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Preface

The 4th Annual International Conference on Combinatorial Optimization and Applications (COCOA 2010) took place in Big Island, Hawaii, USA, December 18–20, 2010. Past COCOA conferences were held in Xi'an, China (2007), Newfoundland, Canada (2008) and Huangshan, China (2009).

COCOA 2010 provided a forum for researchers working in the areas of combinatorial optimization and its applications. In addition to theoretical results, the conference also included recent works on experimental and applied research of general algorithmic interest. The Program Committee received 108 submissions from more than 23 countries and regions, including Australia, Austria, Canada, China, Denmark, France, Germany, Hong Kong, India, Italy, Japan, Korea, Mexico, New Zealand, Poland, Slovak Republic, Spain, Sweden, Switzerland, Taiwan, UK, USA, Vietnam, etc.

Among the 108 submissions, 49 regular papers were selected for presentation at the conference and are included in this volume. Some of these papers will be selected for publication in a special issue of the *Journal of Combinatorial Optimization*, a special issue of *Theoretical Computer Science*, a special issue of *Optimization Letters*, and a special issue of *Discrete Mathematics, Algorithms and Applications* under the standard refereeing procedure.

We thank all authors for submitting their papers to the conference. We are grateful to all members of the Program Committee and all external referees for their work within demanding time constraints. We thank the Organizing Committee for their contribution to making the conference a success. We also thank Jiaofei Zhong and Donghyun Kim for helping us create and update the conference website and maintain the Springer Online Conference Service system and Shawon Rahman for helping in local arrangements.

Finally, we thank the conference sponsors and supporting organizations for their support and assistance. They are the University of Texas at Dallas, the University of Hawaii at Hilo, and the National Science Foundation of USA.

December 2010

Weili Wu
Ovidiu Daescu

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