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Andrea Lodi · Viswanath Nagarajan (Eds.)

Integer Programming and Combinatorial Optimization

20th International Conference, IPCO 2019
Ann Arbor, MI, USA, May 22–24, 2019
Proceedings

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Preface

This volume collects the 33 extended abstracts presented at IPCO 2019, the 20th Conference on Integer Programming and Combinatorial Optimization, held May 22–24, 2019, at Ann Arbor, Michigan, USA. IPCO is under the auspices of the Mathematical Optimization Society, and it is an important forum for presenting the latest results of theory and practice of the various aspects of discrete optimization. The first IPCO conference took place at the University of Waterloo in May 1990, and the University of Michigan is hosting the 20th such event.

The conference had a Program Committee consisting of 15 members. In response to the call for papers, we received 114 submissions, of which two were withdrawn prior to the decision process. The Program Committee met at Aussois, France, in January 2019. Each submission was reviewed by at least three Program Committee members. There were many high-quality submissions, of which the committee selected 33 to appear in the conference proceedings. We expect the full versions of the extended abstracts appearing in this volume of *Lecture Notes in Computer Science* to be submitted for publication in refereed journals, and a special issue of *Mathematical Programming Series B* is on the way.

This year, IPCO was preceded by a Summer School during May 20–21, 2019, with lectures by Nikhil Bansal, Samuel Burer and João Gouveia. We thank them warmly for their contributions. We would like to thank:

- The authors who submitted their research to IPCO
- The members of the Program Committee, who spent much time and energy reviewing the submissions
- The expert additional reviewers whose opinions were crucial in the paper selection
- The members of the local Organizing Committee: Alexander Barvinok, Jon Lee, Viswanath Nagarajan, Seth Pettie, Siqian Shen and Dan Steffy, who made this conference possible
- The Mathematical Optimization Society and in particular the members of its IPCO Steering Committee: David Williamson, Jens Vygen, Oktay Günlük and Jochen Koenemann, for their help and advice
- EasyChair for making paper management simple and effective
- EasyChair and Springer for their efficient cooperation in producing this volume

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March 2019

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