

# Preface

This volume contains the full-papers presented at ISCO 2016, the 4th International Symposium on Combinatorial Optimization, held in Vietri Sul Mare (Italy) during May 16–18, 2016. ISCO 2016 was followed by the Spring School on “Extended Formulations for Combinatorial Optimization” given by Volker Kaibel and Samuel Fiori. ISCO is a biennial symposium. The first event was held in Hammamet, Tunisia, in March 2010, the second in Athens, Greece, in April 2012, and the third in Lisbon, Portugal, in March 2014. The symposium aims to bring together researchers from all the communities related to combinatorial optimization, including algorithms and complexity, mathematical programming, operations research, stochastic optimization, graphs, and combinatorics. It is intended to be a forum for presenting original research on all aspects of combinatorial optimization, ranging from mathematical foundations and theory of algorithms to computational studies and practical applications, and especially their intersections. In response to the call for papers, ISCO 2016 received 98 fullpaper submissions. Each submission was reviewed by at least three reviewers, with at least two of them belonging to the Program Committee (PC). The submissions were judged on their originality and technical quality and the PC had to discuss in length the reviews and make tough decisions. As a result, the PC selected 38 fullpapers to be presented at the symposium, giving an acceptance rate of 39 % (57 short papers were also selected from both regular and short submissions). Four eminent invited speakers, R. Ravi (Carnegie Mellon University), András Frank (Egerváry Research Group, Eötvös University Budapest), Adam N. Letchford (Lancaster University), and Volker Kaibel (Otto-von-Guericke University, Magdeburg), gave talks at the symposium. The revised versions of the accepted full-papers, as well as the abstracts of the invited talks, are included in this volume. We would like to thank all the authors who submitted their work to ISCO 2016, and the PC members and external reviewers for their excellent work. We would also like to thank our invited speakers as well as the speakers of the Spring School for their exciting lectures. They all greatly contributed to the quality of the symposium. Finally, we would like to thank the Organizing Committee members for their dedicated work in preparing this conference, and we gratefully acknowledge our sponsoring institutions for their assistance and support.

July 2016

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Combinatorial Optimization

4th International Symposium, ISCO 2016, Vietri sul  
Mare, Italy, May 16-18, 2016, Revised Selected Papers

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2016, XX, 452 p. 67 illus., Softcover

ISBN: 978-3-319-45586-0