

Preface

This volume contains the proceedings of the 9th International Conference on Discrete Optimization and Operations Research (DOOR 2016), held in Vladivostok, Russia, during September 19–23, 2016. It was organized by the Far Eastern Federal University, Sobolev Institute of Mathematics, Krasovsky Institute of Mathematics and Mechanics, Novosibirsk State University, and the Higher School of Economics in Nizhny Novgorod.

Previous conferences took place at the Sobolev Institute of Mathematics, Novosibirsk, in 1996, 1998, 2000, 2002, and 2004. The 6th conference was held in the Russian Far East in a picturesque setting on the shore of the Japanese Sea near Vladivostok in 2007. The 7th one, in 2010, was held in the Altay Mountains. The 8th event took place in Novosibirsk again. DOOR is part of a series of annual international conferences on optimization and operations research that covers a wide range of topics in mathematical programming and its applications, integer programming and polyhedral combinatorics, bi-level programming and multi-criteria optimization, optimization problems in machine learning and data mining, discrete optimization in scheduling, routing, bin packing, locations, and optimization problems on graphs, computational complexity, and polynomial time approximation. The main purpose of the conference is to provide a forum where researchers can exchange ideas, identify promising directions for research and application domains, and foster new collaborations.

In response to the call for papers, DOOR 2016 received 181 submissions. Papers included in this volume were carefully selected by the Program Committee on the basis of reports from two or more reviewers. Only 39 submissions were selected for inclusion in this volume. Nine invited talks by eminent speakers are also included here.

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Yury Kochetov
Michael Khachay
Vladimir Beresnev
Evgeni Nurminski
Panos Pardalos

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