Preface

Today's world is social and complex in nature. Societies have evolved and many problems faced by individuals can no longer be solved in solitude. We require cooperation with others to pursue our own goals, in many complex scenarios like politics and businesses, as well as in our day-to-day life. As we all hold different goals and interests, conflict emerges as a natural part of our lives. Successful cooperation requires solving conflicts among interested parties. The importance of conflict resolution has driven research in many fields like anthropology, psychology, mathematics, biology, and recently, in artificial intelligence. Despite their diametrically different approaches, the goal of these disciplines has always revolved around either solving conflict or helping us to understand conflicts. This can be explained not only by our need to cooperate, but also by the global importance of avoiding escalation and, therefore, striving for a better world.

The Second International Workshop on Conflict Resolution in Decision Making (COREDEMA 2016) focused on theoretical and practical computational approaches for solving and understanding conflict resolution. These computational approaches may be inspired by a wide variety of disciplines such as anthropology, psychology, economy, biology, mathematics, and computer science itself. Indeed, one of the goals of this workshop is to allow researchers from different disciplines to discuss their perspectives on conflict resolution.

This book gathers the proceedings of COREDEMA 2016, which was held in conjunction with the 22nd European Conference on Artificial Intelligence (ECAI 2016), The Hague, The Netherlands, on August 29. A total of 13 submissions were sent to the workshop, four of them being short papers from ECAI 2016 invited to submit a full version to the workshop, and nine of them being direct submissions to the workshop. All the invited contributions from ECAI 2016 were accepted as full papers, while 55% of direct submissions were accepted as full papers. All of the contributions were reviewed by at least three experts in the area.

We would like to thank all of the authors that contributed to the workshop, as well as the fantastic Program Committee that helped to ensure and check the scientific quality of the articles. Finally, we also want to thank the reader, and we hope that this book helps you in advancing the current state of the art in computational approaches for conflict resolution.

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