

Preface

Computational models of argumentation are approaches that deal with the representation and interaction of arguments and counterarguments. These models can be applied in all areas that benefit from automatic decision-support such as medicine, accounting, chemistry, and law. Many of these models were inspired by works within the fields of non-monotonic reasoning and logic programming and therefore share the sometimes considerable computational complexity of these approaches.

Algorithmic aspects of computational models of argumentation are an important area, as witnessed by the popularity of the International Competition on Computational Models of Argumentation (ICCMA). This volume collects papers from the Second International Workshop on Systems and Algorithms for Formal Argumentation (SAFA 2018), which aims at complementing the competition by providing a forum to present and discuss both systems and algorithms dealing with all aspects of computational argumentation, in particular those approaches addressing the tracks of the competition. A first workshop had been organised in 2016.

The workshop received seven submissions and six of them had been accepted as regular papers for this volume. Additionally, this volume contains an extended abstract of the invited keynote speech “SAT for Argumentation” by Matti Järvisalo.

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