Proceedings of SC-Square 2022: The 7th International Workshop on Satisfiability Checking and Symbolic Computation

Preface

This collection presents the official records of the 7th International Workshop on Satisfiability Checking and Symbolic Computation (SC^2). As a yearly event, the SC^2 workshop centers around topics of shared interest between the symbolic computation and satisfiability communities.

In 2022, the workshop was co-located with the Federated Logic Conference 2022 (FLoC 2022) as a part of the 11th International Joint Conference on Automated Reasoning (IJCAR 2022). It took place on August 12, 2022, at the Technion - Israel Institute of Technology in Haifa, IS. The workshop featured eight talks, including two invited speakers. Stefan Ratschan from the Academy of Sciences of the Czech Republic discussed transcendental functions and their approximations for decidability, while Robert Lewis from Brown University delivered a talk on computer algebra and automation in Lean. Due to pandemic restrictions, some speakers were unable to attend in person, but the majority of the group and both invited speakers were present.

Prior to the workshop, a public call for submissions to the written proceedings was issued. Six submissions were received in total. These submissions underwent a thorough review process by the program committee, with some cases involving external reviewers. As a result, all submissions were accepted and included in the proceedings.

The organizers extend their gratitude to all participants for their contributions, which played a pivotal role in the workshop's success. They also express appreciation to the reviewers for their detailed assessments, which enhanced the quality of the published proceedings. Special thanks are given to the EasyChair team for facilitating the submission and review of papers, as well as the CEUR-WS.org team for their assistance in publishing the proceedings.

<div align="right">

Ali Kemal Uncu
Haniel Barbosa
SC^2 2022 Workshop Chairs

</div>

Program Committee

Erika Abraham	RWTH Aachen University, DE
Martin Brain	City University of London, UK
Curtis Bright	University of Waterloo, CA
Christopher Brown	United States Naval Academy, USA
James H. Davenport	University of Bath, UK
Matthew England	Coventry University, UK
Madalina Eraşcu	Institute e-Austria Timisoara, West University of Timisoara, RO
Alberto Griggio	Fondazione Bruno Kessler, IT
Dejan Jovanović	Amazon Web Services
Manuel Kauers	Johannes Kepler University Linz, AT
Daniela Kaufmann	Johannes Kepler University Linz, AT
Ilias Kotsireas	Wilfrid Laurier University, CA & Maplesoft
Laura Kovacs	Vienna University of Technology, AT
Gereon Kremer	Stanford University, USA
Robert Lewis	Brown University, UAS
Veronika Pillwein	RISC Johannes Kepler University Linz, AT
Hamid Rahkooy	Max-Planck Institute for Informatics, DE
Amir Hosein Sadeghimanesh	Coventry University, UK