

Proceedings of SC-Square 2021: The 6th International Workshop on Satisfiability Checking and Symbolic Computation

Preface

This volume contains the proceedings of the 6th International Workshop on Satisfiability Checking and Symbolic Computation (SC²). The SC² workshop is run annually and focuses on areas of mutual interest to the symbolic computation community and the satisfiability community.

In 2021, the workshop was co-located with the SIAM Conference on Applied Algebraic Geometry. This event was originally planned to be held in College Station, Texas, USA, but due to the COVID-19 pandemic it was held virtually. The workshop took place over August 19–20, and consisted of talks by twelve speakers.¹ Two talks were invited: Vijay Ganesh (University of Waterloo) spoke on combining logic solvers with machine learning, and Matthew England (Coventry University) gave a two-part talk, consisting of a historical overview of SC² successes as well as a survey on connections between SC² algorithms and machine learning.

After the workshop, a public call went out for submissions to the written proceedings. Seven submissions were received in total, including one for each part of the invited talk of Mathew England. The submissions were reviewed by members of the program committee (and in some cases by external reviewers) and all submissions were accepted for inclusion in the proceedings.

The organizers would like to thank all participants for making the workshop a success, as well as all reviewers for their detailed reviews which raised the quality of the published proceedings. The organizers would also like to thank the EasyChair team for providing the platform on which the papers were submitted and reviewed and the CEUR-WS.org team for their assistance in publishing the proceedings.

Curtis Bright
James Davenport
SC² Workshop 2021 Chairs

SC² 2021: 6th International Workshop on Satisfiability Checking and Symbolic Computation, August 19–20, 2021



© 2022 Copyright for this paper by its authors. Use permitted under Creative Commons License Attribution 4.0 International (CC BY 4.0).

 CEUR Workshop Proceedings (CEUR-WS.org)

¹The talks were recorded and are available to watch on YouTube:

https://www.youtube.com/playlist?list=PLyS1-FKS95m_7LBgG-gbr4HqT3xdgY9SS

Program Committee

John Abbott	University of Genoa, Italy
Erika Ábrahám	RWTH Aachen University, Germany
Anna M. Bigatti	University of Genoa, Italy
Matthew England	Coventry University, UK
Pascal Fontaine	University of Lorraine, Nancy, France
Vijay Ganesh	University of Waterloo, Canada
Alberto Griggio	Bruno Kessler Institute, Povo, Italy
Marijn J. H. Heule	Carnegie Mellon University, Pittsburgh, USA
Ahmed Irfan	Stanford, USA
Dejan Jovanovic	SRI, Menlo Park, USA
Manuel Kauers	Johannes Kepler University, Linz, Austria
Konstantin Korovin	University of Manchester, UK
Ilias Kotsireas	Wilfrid Laurier University, Waterloo, Canada
Laura Kovacs	Vienna University of Technology, Austria
David Monniaux	University of Grenoble, France
Norbert Müller	University of Trier, Germany
Stefan Ratschan	Academy of Sciences of the Czech Republic, Prague, Czech Republic
Martina Seidl	Johannes Kepler University, Linz, Austria
Thomas Sturm	CNRS, Nancy, France and MPI Informatik, Germany

External Reviewers

Changbo Chen	Chinese Academy of Sciences, Beijing, China
Jasper Nalbach	RWTH Aachen University, Germany
Marek Košta	Slovak Academy of Sciences, Bratislava, Slovakia
Thibaut Verron	Johannes Kepler University, Linz, Austria