

Pragmatics of SAT

17th International Workshop

PoS 2026

Proceedings

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17th Pragmatics of SAT International Workshop 2026 (PoS'26)

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Preface

The Pragmatics of SAT (PoS) workshop is an annual event dedicated to providing a forum for discussion and presentation of the design and application of SAT solver and related solver technologies, including (but not limited to) Satisfiability Modulo Theories (SMT), Answer Set Programming (ASP), and Constraint Programming (CP). The PoS workshop series is organized together with the International Conference on Theory and Applications of Satisfiability Testing (SAT). The year 2026 constituted the 17th edition of the workshop, collocated with the Federated Logic Conferences (FLoC) in Lisbon, Portugal.

Background. The success of solver technology for declarative languages, such as SAT, in the last decades is mainly due to both the availability of numerous efficient solver implementations and to the growing number of problems that can efficiently be solved through the declarative approach. Designing efficient solvers requires both a good theoretical knowledge about the design of those solvers, i.e., how all its components interact, and a deep practical knowledge about how to implement such components efficiently. The SAT community organizes regularly competitive events (SAT competition or SAT Races, QBF Evaluation, MaxSAT evaluation, PB Evaluation, etc.) to evaluate available solvers on a wide range of problems. The winners of those events set regularly new standards in the area. However, even if the systems themselves are widely spread, many details on their design or in their implementation can only be found in the source code of the systems. An important aim of the workshop is to allow researchers to share technical details about their systems that they usually cannot share within a main conference.

The workshop also fosters discussion and dissemination of many further practical aspects surrounding SAT, including but not limited to solving interfaces, monitoring and debugging of solvers, methodological considerations, and meta topics such as the past and future of applied SAT research itself.

Paper selection criteria. Original papers to be included in the proceedings are expected to describe original work on a topic of the workshop (as outlined above). PoS also welcomes papers whose focus might be too narrow to be published in a main conference such as SAT. Original papers with up to

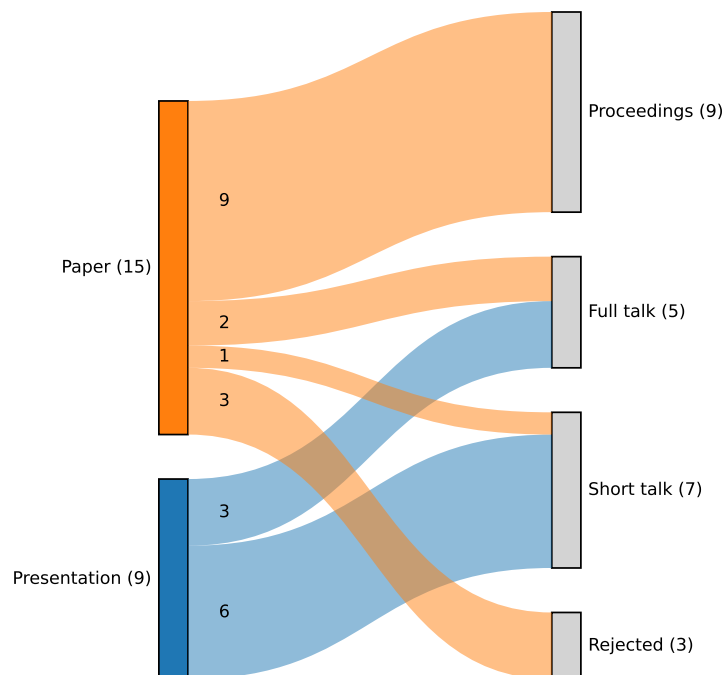


Figure 1: Overview of submissions and according decisions.

15 pages (excl. references), including system descriptions of SAT and related solver technologies, are welcome. Papers are selected based on usual quality criteria for conference papers, including relevance, soundness, novelty and/or expected impact, and quality of writing. Furthermore, authors should provide enough information and/or data for reviewers to confirm any performance claims, such as links to a runnable system, access to benchmarks, reference to public performance results, etc.

Overview of PoS'26. As illustrated in Fig. 1, PoS 2026 received a total of 24 submissions, among which were 15 original papers (to be considered for the proceedings) and 9 presentation-only submissions. Each submission was reviewed by two program committee members, followed by discussions with the PC chairs and a meta-review where necessary. Ten submissions were accepted for inclusion in the proceedings; for one of them, the authors opted out of submitting a proceedings version (contributing a full presentation instead). Considering the high number and quality of submissions received this year, we decided to admit a number of short presentations (10 minutes including discussion) in addition to usual full presentations (20 minutes including discussion). All papers selected for inclusion in the proceedings were automatically granted a full presentation slot. Of the other papers, four submissions were accepted for a full presentation slot and an additional seven submissions were accepted for a short presentation slot. Three submissions were rejected entirely.

The workshop took place on July 19, 2026, in Lisbon, Portugal, and all sessions were attended by 30–40 participants. Given the positive reactions to the workshop and its rich history, we expect the next edition of the workshop to be held in 2027, collocated with SAT 2027.

We would like to thank the program committee, the authors, the workshop participants and the PoS Steering Committee for their contributions to the workshop. We would further like to thank the FLoC organizers for hosting the workshop, HotCRP for the availability of their conference system, and CEUR for their help to publish these proceedings.

Bart Bogaerts and Dominik Schreiber
PoS 2026 PC Chairs

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