

SMT Workshop'09

7th International Workshop on Satisfiability Modulo Theories

(Previously called **PDPAR: Pragmatics of Decision Procedures in Automated Reasoning**)

Affiliated with CADE'09

McGill University, Montreal, Canada, 2-3 Aug. 2009

—CALL FOR PAPERS—

Workshop Chairs

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Background

Deciding the satisfiability of first-order formulas modulo background theories, known as the Satisfiability Modulo Theories (SMT) problem, has proved to be useful in verification, compiler optimization, scheduling, and other areas.

The success of SMT techniques depends on the development of both domain-specific decision procedures for each concrete theory (e.g. linear arithmetic, the theory of arrays, or the theory of bit-vectors) and combination methods that allow one to obtain more versatile SMT tools. These two ingredients together make SMT techniques well-suited for use in larger automated reasoning and formal verification efforts.

Aims and Scope

The aim of the workshop is to bring together researchers and users of SMT tools and techniques. Continuing the PDPAR tradition, we especially encourage submission of papers focused on pragmatic aspects. Relevant topics include but are not limited to:

- New decision procedures and new theories of interest
- Combinations of decision procedures
- Novel implementation techniques
- Benchmarks and evaluation methodologies
- Applications and case studies
- Theoretical results

Important dates

Submission deadline	May 22nd 2009
Notification of acceptance/rejection	June 22nd, 2009
Final version due	June 29th, 2009
Workshop	Aug. 2-3, 2009

Paper submission and Proceedings

- *Extended abstracts* contain preliminary reports of work in progress. These will be judged based on the expected level of interest for the SMT community. They will be included in the informal proceedings.
- *Original papers* contain original research (simultaneous submissions are not allowed) and sufficient detail to assess the merits and relevance of the submission. For papers reporting experimental results, authors are strongly encouraged to make their data available. Work in progress is welcome. Papers in this category will be published, after the workshop, in the ACM International Conference Proceedings Series (ICPS).
- *Presentation-only papers* describe work recently published or submitted and will not be included in the proceedings. We see this as a way to provide additional access to important developments that SMT Workshop attendees may be unaware of.

Papers in all categories will be peer-reviewed. Papers should not exceed 10 pages (Postscript or PDF) and should be written in LaTeX, 11pt, one column, a4paper, standard margins. Technical details may be included in an appendix to be read at the reviewers' discretion.