SAT 2009

Call for Papers
12th International Conference on
Theory and Applications of Satisfiability Testing
June 30 - July 3, 2009, Swansea, Wales, United Kingdom

http://www.cs.swan.ac.uk/~csoliver/SAT2009

Conference Chair

Oliver Kullmann, Swansea University, Swansea, UK

Invited Speakers

Robert Nieuwenhuis, Tech. Univ. Catalonia, Spain
Moshe Vardi, Rice University, U.S.A.

Important Dates

February 20, *Abstract Submission*
February 27, *Paper Submission*
March 22, *Author Notification*
March 29, *Final Version*

Technical Program Committee

TBA

The International Conference on Theory and Applications of Satisfiability Testing (SAT) is the primary annual meeting for researchers studying the propositional satisfiability problem. SAT 2009 is the twelfth SAT conference. SAT 2009 features the SAT competition, the Pseudo-Boolean evaluation, and the MAX-SAT evaluation.

Many hard combinatorial problems can be encoded into SAT. Therefore improvements on heuristics on the practical side, as well as theoretical insights into SAT, apply to a large range of real-world problems. More specifically, many important practical verification problems can be rephrased as SAT problems. This applies to verification problems in hardware and software. Thus SAT is becoming one of the most important core technologies to verify secure and dependable systems. The topics of the conference span practical and theoretical research on SAT and its applications and include but are not limited to proof systems, proof complexity, search algorithms, heuristics, analysis of algorithms, hard instances, randomised formulae, problem encodings, industrial applications, solvers, simplifiers, tools, case studies and empirical results. SAT is interpreted in a rather broad sense: besides propositional satisfiability, it includes the domain of quantified boolean formulae (QBF), constraints programming techniques (CSP) for word-level problems and their propositional encoding and particularly satisfiability modulo theories (SMT).

Submissions should contain original material and can either be regular research papers up to 14 pages or short papers up to 6 pages. Double submissions including submissions as short and long papers will be rejected. Submissions should use the Springer LNCS style. All appendices, tables, figures and the bibliography must fit into the page limit. Submissions deviating from these requirements may be rejected without review. All accepted papers including short papers will be published in the proceedings of the conference. The conference proceedings will be published within the Springer LNCS series. The paper submission page is http://www.easychair.org/conferences/?conf=sat2009. Papers have to be submitted electronically as PDF files. Abstract submissions are due Februay 20, paper submissions February 27.

SAT Competition
www.satcompetition.org/2009

Daniel Le Berre
Laurent Simon

Ewald Speckenmeyer
Geoff Sutcliffe
Lintao Zhang

PB Evaluation
www.cril.univ-artois.fr/
PB09

Vasco Manquinho
Olivier Roussel

MAX-SAT Evaluation
www.maxsat07.udl.es

Josep Argelich
Chu-Min Li
Felip Manyà
Jordi Planes