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, UK

Invited Speakers
Robert Nieuwenhuis, Tech. Univ. Catalonia, Spain
Moshe Vardi, Rice University, USA

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

Technical Program Committee
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Daniel LeBerre, Universite d’Artois, France
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Panagiotis Manolios, Northeastern University, USA
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Ramamohan Paturi, University of California, USA
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Kareem A. Sakallah, University of Michigan, USA
Uwe Schöning, Universität Ulm, Germany
Roberto Sebastiani, Universita di Trento, Italy
Carsten Sinz, University of Karlsruhe, Germany
Robert H. Sloan, University of Illinois, USA
Niklas Sörensson, Chalmers University of Tech., Sweden
Ewald Speckenmeyer, Universität Köln, Germany
Stefan Szeider, Durham University, UK
Armando Tacchella, Universita di Genova, Italy
Miroslaw Truszczynski, University of Kentucky, USA
Alasdair Urquhart, University of Toronto, Canada
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Toby Walsh, University of New South Wales, Australia
Sean Weaver, University of Cincinnati, USA
Emo Welzl, ETH Zurich, Switzerland
Lintao Zhang, Microsoft Research, USA
Xishun Zhao, Sun Yat-Sen University, P.R. China

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 February 20, paper submissions February 27.

SAT Competition
www.satcompetition.org/2009
Daniel Le Berre
Olivier Roussel
Laurent Simon

MAX-SAT Evaluation
www.maxsat.udl.cat/09/
Josep Argelich
Chu-Min Li
Felip Manya
Jordi Planes

PB Evaluation
http://www.cril.univ-artois.fr/PB09
Vasco Manquinho
Olivier Roussel