

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

Dimitris Achlioptas, UC Santa Cruz, USA
Armin Biere, Johannes Kepler University, Austria
Stephen A. Cook, University of Toronto, Canada
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Edward Hirsch, Steklov Institute of Mathematics, Russia
Kazuo Iwama, Kyoto University, Japan
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Chumin Li, Université de Picardie, France
Ines Lynce, Instituto Superior Técnico, Portugal
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Joao Marques-Silva, University of Southampton, UK
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Albert Oliveras, Technical University of Catalonia, Spain
Ramamohan Paturi, University of California, USA
Lakhdar Sais, Université d'Artois, France
Karem A. Sakallah, University of Michigan, USA
Uwe Schoening, Universität Ulm, Germany
Roberto Sebastiani, Università 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, Università di Genova, UK
Alasdair Urquhart, University of Toronto, Canada
Allen Van Gelder, UC Santa Cruz, USA
Hans van Maaren, Delft University of Tech, Netherlands
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

Laurent Simon

Andreas Goerdt

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PB Evaluation

<http://www.cril.univ-artois.fr/PB09>

Vasco Manquinho

Olivier Roussel

MAX-SAT Evaluation

www.maxsat.udl.cat/09/

Josep Argelich

Chu-Min Li

Felip Manyà

Jordi Planes