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Tuesday, July 9th

- 09:00–09:30 Session 1: Welcome
- 09:30–10:30 Session 2: Best papers (chair: *Roberto Sebastiani*)
- 09:30–10:00 Nikhil Vyas and Ryan Williams. *On Super Strong ETH*
- 10:00–10:30 Katalin Fazekas, Armin Biere and Christoph Scholl. *Incremental Inprocessing in SAT Solving*
- 10:30–11:00 Coffee break
- 11:00–12:30 Session 3 (chair: *Friedrich Slivovsky*)
- 11:00–11:30 Leroy Chew and Judith Clymo. *The Equivalences of Refutational QRAT* [\[slides\]](#)
- 11:30–12:00 Benjamin Kiesl and Martina Seidl. *QRAT Polynomially Simulates \forall forall-Exp+Res*
- 12:00–12:30 Sam Buss and Neil Thapen. *DRAT Proofs, Propagation Redundancy, and Extended Resolution* [\[slides\]](#)
- 12:30–14:00 Lunch
- 14:00–15:30 Session 4 (chair: *Armin Biere*)
- 14:00–14:30 Daniel Selsam and Nikolaj Bjorner. *NeuroCore: Guiding CDCL with Unsat Core Predictions*
- 14:30–15:00 Carlos Mencía, Oliver Kullmann, Alexey Ignatiev and Joao Marques-Silva. *On Computing the Union of MUSes*
- 15:00–15:30 Marijn Heule, Manuel Kauers and Martina Seidl. *Local Search for Fast Matrix Multiplication*
- 15:30–16:00 Coffee break
- 16:00–17:30 Session 5 (chair: *Luca Pulina*)

- 16:00–16:30 Joshua Blinkhorn and Olaf Beyersdorff. *Proof Complexity of QBF Symmetry Recomputation*
- 16:30–17:00 Leander Tentrup and Markus N. Rabe. *Clausal Abstraction for DQBF*
- 17:00–17:30 Olaf Beyersdorff, Leroy Chew, Judith Clymo and Meena Mahajan. *Short Proofs in QBF Expansion*
- 19:00–20:00 Reception

Wednesday, July 10th

- 09:00–10:30 Session 6: Invited Talk (chair: *Inês Lynce*)
- 09:00–10:30 Carla Gomes. *Computational Sustainability: Computing for a Better World*
- 10:30–11:00 Coffee break
- 11:00–12:30 Session 7 (chair: *Jan Johannsen*)
- 11:00–11:30 Tomáš Peitl, Friedrich Slivovsky and Stefan Szeider. *Proof Complexity of Fragments of Long-Distance Q-Resolution* [\[slides\]](#)
- 11:30–12:00 Andrei Bulatov and Oleksii Omelchenko. *Satisfiability Threshold for Power Law Random 2-SAT in Configuration Model*
- 12:00–12:30 Albert Atserias and Massimo Lauria. *Circular (Yet Sound) Proofs* [\[slides\]](#)
- 12:30–14:00 Lunch
- 14:00–15:30 Session 8 (chair: *Markus Rabe*)
- 14:00–14:30 Nina Narodytska, Aditya Shrotri, Kuldeep S. Meel, Alexey Ignatiev and Joao Marques Silva. *Assessing Heuristic Machine Learning Explanations with Model Counting*
- 14:30–15:00 Andy Shih, Adnan Darwiche and Arthur Choi. *Verifying Binarized Neural Networks by Angluin-Style Learning*
- 15:00–15:30 Mate Soos, Raghav Kulkarni and Kuldeep S. Meel. *CrystalBall: Gazing in the Black Box of SAT Solving*
- 15:30–16:00 Coffee break
- 16:00–16:40 Session 9: Tool papers (chair: *Marijn Heule*)
- 16:00–16:20 Alex Ozdemir, Aina Niemetz, Mathias Preiner, Yoni Zohar and Clark Barrett. *DRAT-based Bit-Vector Proofs in CVC4*

16:20–16:40 Florian Lonsing and Uwe Egly. *QRATPre+: Effective QBF Preprocessing via Strong Redundancy Properties*

16:40–17:40 Session 10: SAT association general assembly

Thursday, July 11th

09:00–10:30 Session 11: Invited talk (chair: *Mikoláš Janota*)

09:00–10:30 Josef Urban. *Machine Learning in Automated and Interactive Theorem Proving*

10:30–11:00 Coffee break

11:00–12:30 Session 12 (chair: *Stefan Szeider*)

12:00–12:30 Stefan Mengel and Romain Wallon. *Revisiting Graph Width Measures for CNF-Encodings*

11:30–12:00 Akhil Dixit and Phokion Kolaitis. *A SAT-based System for Consistent Query Answering*

12:00–12:30 Andres Noetzli, Andrew Reynolds, Haniel Barbosa, Aina Niemetz, Mathias Preiner, Clark Barrett and Cesare Tinelli. *Syntax-Guided Rewrite Rule Enumeration for SMT Solvers*

12:30–14:00 Lunch

14:30–23:59 Excursion and banquet

Friday, July 12th

09:30–10:30 Session 13: Competitions results (chair: *Pascal Fontaine*)

10:30–11:00 Coffee break

11:00–12:30 Session 14 (chair: *Olaf Beyersdorff*)

11:00–11:30 Florent Capelli. *Knowledge compilation languages as proof systems* [\[slides\]](#)

11:30–12:00 Tomáš Peitl, Friedrich Slivovsky and Stefan Szeider. *Combining Resolution-Path Dependencies with Dependency Learning*

11:00–11:30 Antonio Morgado, Alexey Ignatiev, Maria Luisa Bonet, Joao Marques-Silva and Sam Buss. *DRMaxSAT with MaxHS: First Contact* [\[slides\]](#)

12:30–14:00 Lunch

14:00–15:30 Session 15 (chair: *Kuldeep Meel*)

14:00–14:30 Randy Hickey and Fahiem Bacchus. *Speeding Up Assumption-*

Based SAT

- 14:30–15:00 Sima Jamali and David Mitchell. *Simplifying CDCL Clause Database Reduction*
- 15:00–15:30 Sibylle Möhle and Armin Biere. *Backing Backtracking*
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