

Dagstuhl Seminar “24421: SAT and Interactions”

Monday, 14 October 2024

09:00	welcome
09:15 - 10:45	Marc Vinyals: SAT Solving and Proof Complexity: A Survey
10:45 - 11:15	coffee break
11:15 - 11:45	Stefan Szeider: MaxSAT
11:45 - 12:15	Introduction round
12:15	lunch
15:30	cake
16:00 - 17:30	Friedrich Slivovsky: QBF Solving and Proof Complexity: A Survey
17:30 - 18:00	Katalin Fazekas: SAT modulo IPASIR-UP
18:00	dinner

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Tuesday, 15 October 2024

9:00 - 10:30	Cesare Tinelli: SMT: A Tutorial
10:30 - 11:00	coffee break
11:00 - 12:00	Stefan Szeider: SAT modulo Symmetries – An Update
12:15	lunch
15:30	cake
16:00 - 17:30	Stephan Schulz: First-order Theorem Proving: A Survey
17:30 - 18:00	Martin Suda: First-order Finite Model Finding via SAT
18:00	dinner

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Wednesday, 16 October 2024

9:00 - 9:30	Clemens Hofstadler: First-order theorem proving for operator statements
9:30 - 10:00	Michael Rawson: AVATAR: 10 years on
10:00 - 10:30	coffee break
10:30 - 11:00	Sophie Touret: Formalizing a framework for SAT-guided saturation calculi
11:00 - 11:30	Albert Atserias: Generalized Satisfiability Problems via Operator Assignments
11:30 - 12:00	Anupam Das: Pudlák-Buss games for (non)deterministic branching programs
12:15	lunch
13:15	Hike/Excursion/Free Afternoon
18:00	dinner

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Thursday, 17 October 2024

9:00 - 09:30	Heribert Vollmer: The complexity of enumerating satisfying assignments
9:30 - 10:00	Florent Capelli: A new hypergraph measure for #SAT
10:00 - 10:30	coffee break
10:30 - 11:00	Kaspar Kasche: Proof Systems for Model Counting
11:00 - 11:30	Leroy Chew: Propositional Proofs for PSPACE problems (including #SAT)
11:30 - 12:00	Adrian Rebola-Pardo: Open problems in interference and proofs for SAT solving
12:15	lunch
15:30	cake
16:00 - 16:30	Jakob Nordström: Supercritical and Robust Trade-offs for Resolution Depth Versus Width and Weisfeiler-Leman
16:30 - 17:00	Susanna de Rezende: Supercritical size-depth trade-offs for resolution and monotone circuits
17:00 - 18:00	Open Problem Session
18:00	dinner
20:30	music night

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Friday, 18 October 2024

9:00 - 9:30	Neil Thapen: Resolution height and a candidate formula hard for CDCL without restarts
9:30 - 10:00	Barnaby Martin: The packing chromatic number of the infinite square lattice
10:00 - 10:30	coffee break
10:30 - 11:00	Dominik Scheder: PPSZ is better than you think
11:00 - 11:30	Luc Spachmann: Algebraic Proofs for QBF
12:15	lunch; end of seminar