SCHEDULE

Monday September 13, 2021

10:15 Opening, Introduction, Organization
10:45 Tutorial: Maria Paola Bonacina: Semantically-guided goal-sensitive reasoning: theorem proving and decision procedures
11:45 Discussion
12:15 Lunch
14:00 Carsten Fuhs: AProVE as a platform for integrated deduction
14:45 Discussion
15:30 Cake
16:00 Claudia Schon: Tackling commonsense reasoning problems with a first-order logic reasoner
16:45 Discussion
18:30 Dinner

Tuesday September 14, 2021

09:15 Tutorial: Martin Suda: Integrating machine learning into saturation-based ATPs
10:15 Discussion
10:45 Coffee/tea break
11:15 Moa Johansson: Conjecture synthesis, lemma discovering and reasoning
11:45 Discussion
12:15 Lunch
14:00 Tutorial: Pascal Fontaine: Proofs in SMT
15:00 Discussion
15:30 Cake
16:00 Jasmin Blanchette: Integrating higher-order reasoning into superposition
16:30 Discussion
17:00 Stéphane Graham-Lengrand: From MCSAT to CDSAT and beyond
17:45 Discussion
18:30 Dinner

Wednesday September 15, 2021

09:00 Tutorial: Alexander Bentkamp, Jasmin Blanchette, and Sophie Tourret: Higher-order superposition in action
10:00 Discussion
10:30 Coffee/tea break
10:45 Ulrich Hustadt: Efficient local reductions to basic modal logic
11:15 Discussion
11:30 Renate Schmidt: Development and integration of deduction for the medical ontology SNOMED CT
12:00 Discussion
12:15 Lunch
14:00 Outing
Thursday September 16, 2021

09:00 Sophie Tourret: On what is wrong with higher-order SMT and what we are doing to fix it
09:30 Discussion
10:00 Magnus Myreen: On verified proof checkers
10:30 Discussion
10:45 Coffee/Tea break
11:15 Alexander Bentkamp: Integrating optimization solvers into proof assistants
11:45 Discussion
12:15 Lunch
14:00 Tutorial: Ruzica Piskac: On reasoning about multisets
15:00 Discussion
15:30 Cake
16:00 Patrick Koopman: Using deduction within methods for non-standard reasoning in description logics
16:30 Discussion
17:00 Erika Abraham: Surprise topic!
17:30 Discussion
18:30 Dinner

Friday September 17, 2021

09:15 Stephan Schulz: Deduction as a service
09:45 Discussion
10:00 Sarah Winkler: Linear-time verification of data-aware dynamic systems with arithmetic
10:30 Discussion
10:45 Coffee/Tea break
11:15 Philipp Rümmer: Deductive verification of Horn clauses for model checking
11:45 Discussion
12:00 Farewell
12:15 Lunch