

Day 1 – Tuesday, 4th of August

15:00 – 19:00	Arrival
19:00	Organizational Meeting

Day 2 – Wednesday, 5th of August

09:30 – 10:45	Formal Methods, AI, & Case Studies (<i>chair: Bernhard Beckert</i>)
09:30 – 09:45	Opening
09:45 – 10:15	Keynote: “Formal Methods for AI First” – Bernhard Steffen
10:15 – 10:45	“Case Study on Verifying a Topologic and Geometric Modeller” – Wolfram Pfeifer
10:45 – 11:15	Coffee Break
11:15 – 12:15	Correctness-by-Construction (<i>chair: Wolfgang Ahrendt</i>)
11:15 – 11:45	“LLM-based Program Synthesis in Correctness-by-Construction Engineering” – Maximilian Kodetzki
11:45 – 12:15	“Correct-by-Construction Device Drivers in Pancake” – Jakob Jarebica
12:15 – 13:30	Lunch
13:30 – 15:00	KeY Extensions (<i>chair: Stijn de Guow</i>)
13:30 – 14:00	“RustyKeY: Towards a Flexible, Usable Prover” – Daniel Drodt
14:00 – 14:30	“KeY4CATs: An Extension of KeY for CATs” – Marco Scaletta
14:30 – 15:00	“Single Path Model Checking with DA Logic” – Lukas Grätz
15:00 – 15:30	Coffee Break
15:30 – 16:45	All about that Trace (<i>chair: Eduard Kamburjan</i>)
15:30 – 16:00	“LAGC Trace Semantics for Deductive Verification with Dynamic Logic” – Johannes Jung
16:00 – 16:30	“Trace Formulas for Autonomous Driving” – Niklas Heidler
16:30 – 16:45	“Formally Guaranteeing Data-Driven Trace Conformance” – Adrian Kulmburg

Day 3 – Thursday, 6th of August

09:30 – 10:30	Verification Tools & Bounds Logic (<i>chair: Reiner Hähnle</i>)
09:30 – 10:00	KeYnote: “The next Generation of Formal Verification Tools” – Gidon Ernst
10:00 – 10:30	“On the Logic of Bounds in Termination Proofs of While Statements” – Frank de Boer
10:30 – 11:00	Coffee Break
11:00 – 12:15	Cooperative Verification (<i>chair: Mattias Ulbrich</i>)
11:00 – 11:30	“A Semantics-Preserving Translation Tool between Contract-LIB and Specifications for Deductive Java Verifiers” – Robert Brune
11:30 – 11:45	“Cooperative and Modular Verification of Imperative Programs” – Florian Lanzinger
11:45 – 12:15	“Integrating an Ownership Type System into the Workflow of the Program Verifier KeY” – Daniel Grévent
12:15 – 13:30	Lunch
13:30 – 15:00	Presenting KeY 3.0 (<i>chair: Alexander Weigl</i>)
15:00 – 18:00	Hiking Social Event
18:00	Dinner

Day 4 – Friday, 7th of August

09:30 – 10:30	Logic, Case Studies, & LLMs (<i>chair: Thomas Baar</i>)
09:30 – 10:00	“Differential CSP – Dynamic Logic of Continuously Communicating Sequential Processes” – Marvin Brieger
10:00 – 10:15	“Modeling and Verification of Systems with Multiple Obstacles in Heterogeneous Dynamic Logic: A Case Study” – Max Hecht
10:15 – 10:30	“Synthesis of Auxiliary Specifications via Large Language Models” – Nils Buchholz
10:30 – 11:00	Coffee Break
11:00 – 12:15	Applications (<i>chair: Richard Bubel</i>)
11:00 – 11:30	“Proving Challenges for Sorting Nets” – Thomas Baar
11:30 – 12:00	“Applying Supervisory Control Theory to Smart Contracts” – Wolfgang Ahrendt
12:00 – 12:15	Closing
12:15 – 13:30	Lunch
13:30 – 15:00	KeY Developer Meeting