Z3 Special Interest Group Meeting

Nov 2-4, 2011, MSR Cambridge, UK

	Wednesday	Thursday	Friday
9.00-9.30	Welcome & Breakfast	Welcome & Breakfast	Welcome & Breakfast
9.30	**Tony Hoare** The Verified Software Initiative **Hillel Kugler** Z3 for Biology	**Byron Cook** Symbolic software model checking with Z3 **Andrey Rybalchenko** Towards Automatic Synthesis of Software Verification Tools	**Carsten Fuhs** Automated Termination Analysis for Programming Languages via Non-Linear SMT and Term Rewriting **Silvio Ranise** Symbolic Backward Reachability with Effectively Propositional Logic
10.30-11.00	Break	Break	Break
11.00	**The Z3 Team** New and future features of Z3	**Nik Sultana** Solving trust issues using Z3 **Alexander Malkis** Automatic verification of software barriers: Z3 vs. MONA vs. BAPA.	**Paul Jackson** Proving SPARK-Ada verification conditions using SMT solvers **Margus Veanes** Microsoft.Automata library: application to Bek
12.00-13.30	Lunch	Lunch	Lunch
13.30	**Adrien Champion** Assumptio and Stuff: using Z3 in a collaborative parallel formal verification framework. **Marko Kääramees** Symbolic analysis of EFSM models for test generation using Z3 **Juhan Ernits** Application of Z3 in Consistency Based Diagnosis of Hybrid Systems and Beyond	**Chantal Keller** Certification of SMT proof witnesses in the Coq proof assistant **Tjark Weber** Independent Proof Reconstruction for Z3: An Overview **Sascha Boehme** Proof Automation for Isabelle via Z3	**Swen Jacobs** SMT-based Reactive Synthesis **Marek Trtik** Overapproximating Program Paths using FOL Formula **Maria Paola Bonacina** Towards an interpolating DPLL(Gamma+T)
15.00-15.30	Break	Break	Break
15.30	**Malte Schwerhoff** Comparing Verification Condition Generation with Symbolic Execution **Joseph N. Ruskiewicz** Using Debuggers to Understand Failed Verification Attempts **Arlen Cox** Counterexample Generation for Separation Logic	**Jasmin Blanchette** Sledgehammer with Z3 Makes Isabelle Happy **Konstantin Korovin and Christoph Sticksel** Z3 for iProver-Eq: efficient ground solving for instantiation-based first-order reasoning **Philippe Suter** Programming with Z3	**Vladimir Klebanov** Theory reasoning in deductive program verification **Denis Nicole** The ESBMC model checker for multi-threaded C
17.00	Close	Close	Close
18.00	Coach to pick up attendees from MSRC		
19.00	Evening Dinner at Restaurant Alimentum	Evening Dinner at Corpus Christi College	Pub crawl