

PSSV Programme

- PSSV registration – in the Lobby of the Rector Tower of Novosibirsk State University (NSU);
- All sessions PSSV – in the conference hall 212 in the Rector Tower of NSU;
- Poster session – in the corridor near the conference hall 212 in the Rector Tower of NSU;
- Invited talk by Moshe Vardi (a joint event with PSI and CSR on Tuesday July 2) – in the lecture theater 3307 in the New Building of NSU;

Monday, July 1

Time	Talk	Speaker
08:30-09:30	Registration	
09:30-09:40	Opening	
09:40-10:30	Formal Modelling and Verification for Heap-manipulating Programs	Bin Fang (Invited talk)
10:30-11:00	Refreshments	
11:00-11:30	Towards automated error localization in C programs with loops	Dmitry Kondratyev
11:30-12:00	Operational Semantics of Reflex	Igor Anureev
12:00-12:30	Proving properties of Discrete-Valued Functions using Deductive Proof: Application to the Square Root	Vassil Todorov
12:30-12:50	Safety Analysis of Longitudinal Motion Controllers during Climb Flight	Thomas Baar
13:00-14:30	Lunch	
14:30-15:20	Proving safety by disproving: finite countermodel finding for the infinite-state and parameterized verification	Alexei Lisitsa (Invited talk)
15:30-16:30	Poster presentations and session	
16:30-17:30	Guest talk: A new Programming Language flow9 (with applications to verifier Metamath)	Dmitry Vlasov

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Tuesday, July 2

Time	Talk	Speaker
09:00-9:30	Welcome speech (Joint PSI + CSR + PSSV session)	
09:30-10:30	Automated-Reasoning Revolution: From Theory to Practice and Back	Moshe Vardi (Invited talk, Joint PSI + CSR + PSSV session)
10:30-11:00	Refreshments	
11:10-11:30	Constructing Verification-Oriented Domain-Specific Process Ontologies	Igor Anureev
11:30-11:50	On parallel composition of Finite State Machines with timed guards	Aleksandr Tvardovskii
12:00-13:30	Lunch	
13:30-14:30	Quantifier solutions to interval systems of linear algebraic equations	Sergey P. Shary (Invited talk)
14:30-15:00	Refreshments	
15:00-16:00	Guest talk: Relational invariants as solutions of non-linear constrained Hoare clauses systems	Dmitry Mordvinov
16:00-16:30	Discussion & Conclusion	
16:30-18:30	Informal post-workshop seminar on specification and verification of standard Math functions (in Russian)	
19:00-22:00	PSI Welcome party (PSSV participants are welcome!)	

Poster session

#	Author(s) and title
1	Igor Adamovich. The JaSpe specializer: an interactive approach to metacomputation
2	Andrei Klimov and Alexei Adamovich. Building Cyclic Data in a Functional-Like Language Extended with Monotonic Objects
3	Sergey Staroletov and Vladimir Fedorov. An Application of Test-Driven Development Methodology into the Process of Hardware Creation (a View from a Software Perspective)