

July 18

Monday

	LOPSTR
13:55	<i>Opening of the Symposium</i>
14:00 – 15:30	Session 1 (O100)
	T. Stroeder, P. Schneider-Kamp, J. Giesl, F. Emmes and C. Fuhs: <i>A Linear Operational Semantics for Termination and Complexity Analysis of ISO Prolog</i>
	O. Namet, M. Fernandez and H. Kirchner: <i>A strategy language for graph rewriting</i>
	C. Dandois and W. Vanhoof: <i>Clones in logic programs and how to detect them</i>
15:30	COFFEE BREAK
16:00 – 17:30	Session 2 (O100)
	P. Moura: <i>Meta-Predicate Semantics</i>
	J. F. Morales, M. Hermenegildo and R. Haemmerlé: <i>Modular Extensions for Modular (Logic) Languages</i>
	N. Sultana: <i>Work in progress: A prototype refactoring tool based on a mechanically-verified core</i>
18:00	SHUTTLE BUS

July 19

Tuesday

8:00 / 8:20	SHUTTLE BUS		
	LOPSTR	WFLP	AAIP
8:50		<i>Welcome</i>	
9:00 – 10:00	Invited Talk (O100)	Session 1 (O96)	Session 1 (O99)
	J. Gallagher: <i>Program Analysis With Regular Types</i>	B. Brassel, M. Hanus, B. Peemöller, F. Reck: <i>KiCS2: A New Compiler from Curry to Haskell</i>	<i>Welcome</i>
		S. Antoy, M. Hanus: <i>New Functional Logic Design Pattern</i>	J.A. Bedoya-Puerta, J. Hernandez-Orallo, C. Ferri and M.-J. Ramirez-Quintana: <i>Applying distances between terms to both flat and hierarchical data</i>
10:00	COFFEE BREAK		
10:30 – 12:30	Session 3 (O100)	Session 2 (O96)	Invited Talk (O99)
	W. Vanhoof: <i>On the partial deduction of non-ground meta-interpreters</i>	J.M. Almendros-Jimenez, R. Caballero, Y. García-Ruiz, F. Saenz-Perez: <i>XQuery in the Functional-Logic Language Toy</i>	R. Bodik: <i>Inductive Program Synthesis using SAT and SMT Solving, Programming by Sketching</i>
	F. Fioravanti, A. Pettorossi, M. Proietti and V. Senni: <i>Using Real Relaxations During Program Specialization</i>	R. Peña, A.D. Delgado-Muñoz: <i>Size Invariants and Ranking Functions Synthesis in a Functional Language</i>	
	H. Seki: <i>Proving Properties of Co-logic Programs by Unfold/Fold Transformations</i>	P. Wuille, T. Schrijvers, H. Samulowitz, G. Tack, P. Stuckey: <i>Memoizing a Monadic Mixin DSL</i>	Session 2 (O99)
	R. Caballero, A. Riesco, A. Verdejo and N. Marti-Oliet: <i>Simplifying Questions in Maude Declarative Debugger by Transforming Proof Trees</i>		L. Diehl: <i>Verified Stack-Based Genetic Programming via Dependent Types</i>
12:30	LUNCH BREAK		

14:00 – 15:30	Session 4 (O100)	Session 3 (O96)	Session 3 (O99)
	G. Bacci, M. Comini, M. A. Feliú and A. Villanueva: <i>Automatic Synthesis of Specifications for Curry Programs</i>	V. Rodrigues, M. Florido, S. Melo De Sousa: <i>A Functional Approach to Worst-Case Execution Time Analysis</i>	E. Kitzelmann: <i>Two New Operators for IGOR2 to Increase Synthesis Efficiency</i>
	J. Almendros-Jimenez, R. Caballero, Y. García-Ruiz and F. Saenz-Perez: <i>A Declarative Embedding of XQuery in a Functional-Logic Language</i>	C. Zinn: <i>Building a Faceted Browser in CouchDB Using Views on Views and Erlang Metaprogramming</i>	S. Katayama: <i>An Analytical Inductive Functional Programming System that Avoids Unintended Programs</i>
	S. Hidaka, Z. Hu, K. Inaba, H. Kato, K. Matsuda, K. Nakano and I. Sasano: <i>Marker-directed optimization of UnCAL graph transformations</i>	T.A. Majchrzak, H. Kuchen: <i>Logic Java: Combining Object-Oriented and Logic Programming</i>	S. Katayama: <i>MagicHaskell: System Demonstration</i>
15:30	COFFEE BREAK		
16:00 – 17:30	Session 5 (O100)	Session 4 (O96)	Discussion (O99)
	E. Albert, M. Gomez-Zamalloa and J.M. Rojas Siles: <i>Resource-driven CLP-based Test Case Generation</i>	T. Sakata, N. Nishida, T. Sakabe: <i>On Proving Termination of Constrained Term Rewrite Systems by Eliminating Edges from Dependency Graphs</i>	Future directions of inductive programming, collaborations, future AAIP workshops
	J. Sneyers and D. De Schreye: <i>Probabilistic Termination of CHRiSM Programs</i>	J. Aguado, M. Mandler: <i>Controlling Streams</i>	
P. Piloizzi and D. De Schreye: <i>Improved termination analysis of CHR using self-sustainability analysis</i>			
18:00	SHUTTLE BUS		
19:00	WORKSHOP DINNER		

July 20

Wednesday

8:00 / 8:20	SHUTTLE BUS		
	LOPSTR / PPDP		
9:00 – 10:00	Invited Talk		
	F. Henglein: <i>Dynamic Symbolic Computation for Domain-Specific Language Implementation</i>		
10:00	COFFEE BREAK		
10:30 – 11:30	Invited Talk		
	V. Lagoon: <i>The Challenges of Constraint-Based Test Generation</i>		
	LOPSTR	PPDP	
11:30 – 12:30	Session 6 (O100)	Session 1 (O96): Verification & Specification	
	P.Cabalar and S. Demri: <i>Automata-based Computation of Temporal Equilibrium Models</i>	F. Schernhammer and J. Meseguer: <i>Incremental Checking of Well-Founded Recursive Specifications Modulo Axioms</i>	
	R. Demeyer and W. Vanhoof: <i>Proper Granularity for Atomic Sections in Concurrent Programs</i>	K. Inaba, S. Hidaka, Z. Hu, H. Kato and K. Nakano: <i>Graph-Transformation Verification using Monadic Second-Order Logic</i>	
12:30	LUNCH BREAK		
13:30	SHUTTLE BUS		
15:30	EXCURSION & DINNER		

July 21		Thursday
8:00 / 8:20	SHUTTLE BUS	
	PPDP	
9:00 – 10:00	Session 2 (O100): Declarative Languages	
	G. Sauthoff, S. Janssen and R. Giegerich: <i>Bellman's GAP - A Declarative Language for Dynamic Programming</i>	
	R. Del Vado Vírveda and F. Pérez Morente: <i>A Modular Semantics for Higher-Order Declarative Programming with Constraints</i>	
10:00	COFFEE BREAK	
10:30 – 12:30	Session 3 (O100): Analysis	
	J. Christiansen and D. Seidel: <i>Minimally Strict Polymorphic Functions</i>	
	S. Escobar, D. Kapur, C. Lynch, C. Meadows, J. Meseguer, P. Narendran and R. Sasse: <i>Protocol Analysis in Maude-NPA Using Unification Modulo Homomorphic Encryption</i>	
	T. Bourdier and H. Cirstea: <i>Symbolic analysis of network security policies using rewrite systems</i>	
	D. Colazzo and C. Sartiani: <i>Precision and Complexity of XQuery Type Inference</i>	
12:30	LUNCH BREAK	
14:00 – 15:00	Session 4 (O100): Concurrency	
	D. Sabel and M. Schmidt-Schauss: <i>A Contextual Semantics for Concurrent Haskell with Futures</i>	
	J. Christian Blanchette, T. Weber, M. Batty, S. Owens, S. Sarkar: <i>Nitpicking C++ Concurrency</i>	
15:00	COFFEE BREAK	
15:30 – 16:30	Session 5 (O100): Logic Programming and Constraints	
	V. Nigam, L. Jia, B. Thau Loo and A. Scedrov: <i>Maintaining Distributed Logic Programs Incrementally</i>	
	R. Haemmerlé, P. Lòopez-García and M. V. Hermenegildo: <i>CLP Projection for Constraint Handling Rules</i>	
17:00	SHUTTLE BUS	

July 22		Friday
8:00 / 8:20	SHUTTLE BUS	
	PPDP	
9:00 – 10:00	Invited Talk (O100)	
	A. Rybalchenko: <i>Towards Automatic Synthesis of Software Verification Tools</i>	
10:00	COFFEE BREAK	
10:30 – 12:30	Session 6 (O100): Types and Lambda Calculus	
	M. Biernacka, D. Biernacki and S. Lenglet: <i>Typing Control Operators in the CPS Hierarchy</i>	
	B. Toninho, L. Caires and F. Pfenning: <i>Dependent Session Types via Intuitionistic Linear Type Theory</i>	
	S. Alves, M. Fernandez, M. Florido and I. Mackie: <i>Recursion in a linear typed lambda-calculus</i>	
	N. Guenot: <i>Nested Proof Search as Reduction in the lambda-calculus</i>	
12:30	LUNCH BREAK & CLOSING	