

ETAPS 2012 satellite workshops, Tallinn University of Technology Building X (Akadeemia tee 3)
Saturday, 24 March

9.00-10.30	GT-VMT 9.25-9.30 Opening	WRLA 9.25-9.30 Opening	FICS 9.25-9.30 Opening
10.30-11.00	Gabriele Taentzer. Generation of Meta Model Instances [Invited talk]	Saddek Bensalem, Ananda Basu, Marius Bozga, Paraskevas Bourgos and Joseph Sifakis. Rigorous Component-Based System Design [Invited talk]	Andreas Abel. Type-Based Termination, Inflationary Fixed-Points, and Mixed Inductive-Coinductive Types [Invited talk]
11.00-12.30	GT-VMT 11.00-12.30	Coffee	
12.30-14.00	Lunch		
14.00-15.30	GT-VMT 14.00-15.30	WRLA 14.00-15.30	FICS 14.00-15.30
15.30-16.00	GT-VMT 15.30-16.00	WRLA 15.30-16.00	FICS 15.30-16.00
16.00-17.30	GT-VMT 16.00-17.30	WRLA 16.00-17.30	FICS 16.00-17.30
17.30-19.00	GT-VMT 17.30-19.00	WRLA 17.30-19.00	FICS 17.30-19.00

Transition to Daylight Saving Time!

Sun 25 Mar

ETAPS 2012 satellite workshops. Tallinn University of Technology Building X (Akadeemia tee 3)
Sunday, 25 March

9.00-10.30	<p>GT-VMT H. J. Sander Bruggink, Mathias Hülsbusch and Barbara König. Towards Alternating Automata for Graph Languages Paolo Bottoni and Francesco Parisi-Presicce. Modeling Context with Graph Annotations Sonja Maier and Mark Minas. Layout Improvement in Diagram Editors by Automatic Ad-hoc Layout</p>	<p>BX Jean-Luc Hainaut. Bidirectional Transformations in Database Engineering [Invited talk] Jeremy Gibbons and Michael Johnson. Relating Algebraic and Coalgebraic Descriptions of Lenses</p>	<p>WRLA Mark Hills, Paul Klint and Jürgen Vinju. Analyzing PHP Source Code Using Rascal - A Rewriting Logic Perspective [Invited talk] Isabel Pita and Adrián Riesco. Specifying and Analyzing the Kademlia Protocol in Maude</p>	<p>FIT 9.00-9.45 José Luiz Fiadeiro. An Interface and Component Algebra for Service-Oriented Design [Invited talk] 9.45-10.30 Karsten Wolf. Show Me Your Friends and I Tell You Who You Are [Invited talk]</p>	<p>IWIGP 9.00-9.45 Yoshifumi Manabe and Tatsuki Okamoto. A Cryptographic Moving-Knife Cake-Cutting Protocol 9.45-10.30 Sujata Ghosh, Thiri Haymar Kyaw, Sumit Sourabh and Rineke Verbrugge. Computing Nash Equilibrium in Wireless Ad Hoc Networks: A Simulation-Based Approach</p>	<p>MSFP Neil Ghani. Fibred Data Types [Invited talk] Chris Casighino, Vilhelm Sjöberg and Stephanie Weirich. Step-Indexed Normalization for a Language with General Recursion</p>	<p>VSSE 9.00-9.15 Hana Chockler. Welcome and Some Ideas from PINCETTE Project 9.15-9.45 Ondřej Šerý. Software Upgrade Checking Using Interpolation-Based Function Summaries 9.45-10.30 Alastair Donaldson. Finding Races in Evolving Concurrent Programs Through Check-in Driven Analysis</p>	<p>IFIP TC1 Closed meeting</p>
10.30-11.00	<p>GT-VMT Christine Natschläger and Klaus-Dieter Schewe. A Flattening Approach for Attributed Type Graphs with Inheritance in Algebraic Graph Transformation</p>	<p>BX Hugo Pacheco, Alcino Cunha and Zhenjiang Hu. Delta Lenses over Inductive Types Vadim Zaytsev. Language Evolution, Metasyntactically</p>	<p>WRLA Daniela Lepri, Erika Abraham and Peter Csaba Olveczky. Timed CTL Model Checking in Real-Time Maude Kyumin Bae and José Meseguer. Model Checking LTLR Formulas under Localized Fairness Automata</p>	<p>FIT Salvatore La Torre, P. Madhusudan and Gennaro Parlato. Sequentializing Parameterized Programs Oana Andrei, Muffy Calder and Alice Miller. Role-Based Interface Automata</p>	<p>IWIGP 11.00-11.45 Simon Busard and Charles Fehcher. Rich Counter-Examples for Temporal-Epistemic Logic Model Checking 11.45-12.30 Sven Jacobs. SMT-Based Reactive Synthesis [Invited talk]</p>	<p>MSFP Mauro Jaskieloff and Ondřej Rypáček. An Investigation of the Laws of Traversals Tomas Petricek. Evaluation Strategies for Monadic Computations Maciej Piróg and Jeremy Gibbons. Tracing Monadic Computations and Representing Effects</p>	<p>VSSE 11.00-11.45 Shuvendu K. Lahiri. SymDiff: Leveraging and Extending Program Verification Techniques for Comparing Programs 11.45-12.30 Ofer Strichman. Regression Verification for Multi-Threaded Programs</p>	<p>IFIP TC1 Closed meeting</p>
11.00-12.30	<p>GT-VMT Dieter Schewe. A Flattening Approach for Attributed Type Graphs with Inheritance in Algebraic Graph Transformation Arash Jalali, Amir Hossein Ghamarian and Arend Rensink. Incremental Pattern Matching for Regular Expressions Discussion</p>	<p>BX Michael Johnson and Robert Rosebrugh. Lens put-but Laws: Monotonic and Mixed Grammar Case Anthony Anjorin, Gergely Varró and Andy Schürr. Complex Attribute Manipulation in TGGs with Constraint-Based Programming Techniques</p>	<p>WRLA Dorel Lucanu and Grigore Rosu. The K Framework Distilled [Invited talk] Irina Mariuca Asavoae, Frank de Boer, Marcello M. Bonsangue, Dorel Lucanu and Jurriaan Rot. Bounded Model Checking of Recursive Programs with Pointers in K</p>	<p>FIT 14.00-14.45 Axel Legay. On Challenges and Solutions in Interface-Based Design of Component Systems [Invited talk] 14.45-15.30 Jif Srba. Beyond the Classical Modal Transition Systems [Invited talk]</p>	<p>IWIGP 14.00-14.45 Johannes Reich. Processes, Roles and Their Interactions 14.45-15.30 Barbara Jobstmann. Quantitative Verification and Synthesis [Invited talk]</p>	<p>MSFP Danko Ilík. Dependently Typed Continuation Monads as Models in Logic [Invited talk] Wouter Swierstra. From Mathematics to Abstract Machine: A Formal Derivation of an Executable Krivine Machine</p>	<p>VSSE 14.00-14.45 Fabio Massacci. Empirical Analysis of Evolution of Vulnerabilities 14.45-15.30 Alex Orso. Testing Evolving Software</p>	<p>IFIP TC1 Closed meeting</p>
12.30-14.00	Lunch							
14.00-15.30	<p>GT-VMT + BX Juan de Lara. Bidirectional Transformations with Graphical Constraints [Invited talk]</p>	<p>BX Leen Lambers, Stephan Hildebrandt, Holger Giese and Fernando Orejas. Attribute Handling for Bidirectional Model Transformations: The Triple Graph Grammar Case Erwann Wernli. Bidirectional Transformations Meets Dynamic Updates: Promise & Perils Perdita Stevens. Observations Relating to the Equivalences Induced on Model Sets by Bidirectional Transformations</p>	<p>WRLA Min Zhang and Kazuhiro Ogata. Facilitating the Transformation of State Machines from Equations into Rewrite Rules Andrei Arusoaie, Traian Serbanuta, Chucky Ellison and Grigore Rosu. Making Maude Definitions More Interactive Closing</p>	<p>FIT 16.00-16.45 Axel Legay. On Quantitative Modal Automata [Invited talk] 16.45-17.30 Louis-Marie Traouez. A Parametric Counterexample Approach for Robust Timed Specifications [Invited talk]</p>	<p>IWIGP 16.00-16.45 Axel Legay. On Quantitative Modal Automata [Invited talk] 16.45-17.30 Louis-Marie Traouez. A Parametric Counterexample Approach for Robust Timed Specifications [Invited talk]</p>	<p>MSFP Patrick Bahr and Tom Hvitved. Parametric Compositional Data Evolutionary Testing 16.45-17.30 Discussion</p>	<p>VSSE 16.00-16.45 Peter M. Kruse. Automated Continuous Evolutionary Testing 16.45-17.30 Discussion</p>	<p>IFIP TC1 Closed meeting</p>
15.30-16.00	Coffee							
16.00-17.30	<p>BX Leen Lambers, Stephan Hildebrandt, Holger Giese and Fernando Orejas. Attribute Handling for Bidirectional Model Transformations: The Triple Graph Grammar Case Erwann Wernli. Bidirectional Transformations Meets Dynamic Updates: Promise & Perils Perdita Stevens. Observations Relating to the Equivalences Induced on Model Sets by Bidirectional Transformations</p>	<p>WRLA Min Zhang and Kazuhiro Ogata. Facilitating the Transformation of State Machines from Equations into Rewrite Rules Andrei Arusoaie, Traian Serbanuta, Chucky Ellison and Grigore Rosu. Making Maude Definitions More Interactive Closing</p>	<p>FIT 16.00-16.45 Axel Legay. On Quantitative Modal Automata [Invited talk] 16.45-17.30 Louis-Marie Traouez. A Parametric Counterexample Approach for Robust Timed Specifications [Invited talk]</p>	<p>MBT Maximiliano Cristia and Claudia Frydman. Applying SMT Solvers to the Test Template Framework Types Teemu Kanstrén and Olli-Pekka Puolitaival. Using Built-In Domain-Specific Modeling Support to Guide Model-Based Test Gerjan Stokkink, Mark Timmer and Mariëtte Stoelinga. Talking Quiescence: A Novel, Rigorous Theory that Supports Parallel Composition, Action Hiding and Determinisation</p>	<p>MBT Daniel Ahman and Marko Käärmees. Constraint-Based Heuristic On-line Test Generation from Non-deterministic I/O EF-SMs Yevgeny Gerits and Alexey Khoroshilov. Model-Based Testing of Safety Critical Real-Time Control Logic Software Dimitry Polivaev. Rule-based Test Generation with Mind Maps</p>	<p>MSFP Patrick Bahr and Tom Hvitved. Parametric Compositional Data Evolutionary Testing 16.45-17.30 Discussion</p>	<p>VSSE 16.00-16.45 Peter M. Kruse. Automated Continuous Evolutionary Testing 16.45-17.30 Discussion</p>	<p>IFIP TC1 Closed meeting</p>
20.00-22.30	Pre-conference workshops dinner (Maikrahv, Raekoja plats 8)							

Sun 1 Apr

ETAPS 2012 satellite workshops, Tallinn University of Technology Building X (Akadeemia tee 3)
Sunday, 1 April

9.00-10.30	CMCS Marcello Bonsangue, Jan Rutten and Joost Winter. Defining Context-Free Power Series Coalgebraically [Invited talk]	LDTA Mark van den Brand. LDTA@ETAPS Retrospective	OAPL Boris Köpf. Quantitative Side-Channels in RSA and AES [Invited talk]	ACCAT Tobias Heindel. On Automorphisms of Graph-Like Objects and the Subject Isomorphism Problem [Invited talk]	Graphite 9.25-9.30 Opening	Linearity 9.25-9.30 Opening	AIPA Chad Brown. Using SataIax to Generate Proof Terms for Conjectures in Coq [Invited talk]	SVARM
	Jiří Adámek, Stefan Milius and Lawrence Moss. On Finitary Functors and Their Presentations			Harald König, Uwe Wolter and Michael Löwe. Characterising van Kampen Squares via Descent Data	Juan de Lara. Graph Transformation with Time for Domain-Specific Modelling and Simulation [Invited talk]	Ugo Dal Lago. The Geometry of Types [Invited talk]	Jasmin Blanchette. TFF1: The TPTP Typed First-Order Form with Rank-1 Polymorphism	
10.30-11.00	Coffee							
11.00-12.30	CMCS Duško Pavlovic. Tracing the Man in the Middle in Monoidal Categories	DICE Neelakantan R. Krishnaswami. Implicit Complexity for Functional Reactive Programs [Invited talk]	QAPL Ivan Gazeau, Dale Miller and Catucscia Palamidessi. A Non-Local Method for Robustness Analysis of Floating Point Programs	ACCAT Thorsten Altenkirch. Weak ω groupoids in Type Theory [Invited talk]	Graphite Elise Cormie-Bowins. A Comparison of Sequential and GPU Implementations of Iterative Methods to Compute Reachability Probabilities	Linearity Maurizio Dominici, Simona Ronchi Della Rocca and Paolo Tranquilli. Standardization in Resource lambda Calculus	SVARM COST IC0901 MC Meeting	
	Baltasar Trancón y Widemann and Joost Winter. Lindenmayer Systems, Coalgebraically [Short contributions]		Hirotohi Yasuoka and Tachio Terauchi. Quantitative Information Flow as Safety and Liveness Hyperproperties		Gijs Kant and Jaco van de Pol. Efficient Instantiation of Paramaterised Boolean Equation Systems to Parity Games	Eugen Jiresch. Extending the Interaction Nets Calculus by Generic Rules		
	Danel Ahman and Tarmo Uustalu. Distributive Laws of Directed Containers [Short contributions]		Catucscia Palamidessi and Marco Stronati. Differential Privacy for Relational Algebra: Improving the Sensitivity Bounds via Constraint Systems	Diego Latella, Mieke Massink, E.P. De Vink. Transition Systems of Stochastic Process Languages A New Option for BDD Search	Stefan Edelkamp, Peter Kissmann and Alvaro Torralba Anas de Reyna. Lex-Partitioning: A New Option for BDD Search	Maribel Fernández and Sébastien Maulat. Higher-Order Port-Graph Rewriting		
12.30-14.00								
	CMCS Pawel Sobociński. Relational Presheaves as Labelled Transition Systems [Invited talk]	DICE Alois Brunel and Marco Gaboardi. Realizability Models for dIPCF	QAPL Luca Bortolussi, Vashti Galpin and Jane Hillston. Hybrid Performance Modelling of Opportunistic Networks	ACCAT Olivier Barthe. A Comprehensive Study of an Algebraic Group Representation Designed for the AI Classical Planning Calculus	Graphite Pierre Wolper. Logic without Formulas: Automata as a Computational Notation [Invited talk]	Linearity Simon Gay. Linear Types in Programming Languages: Progress and Prospects [Invited talk]	AIPA Rob Arthan. Now f is Continuous (Exercise!)	SVARM Serdar Tasiran. Generalizing Reduction and Abstraction to Simplify Concurrent Programs: The QED Approach [Invited talk]
14.00-15.30		Barbara Petit. Toward a Bounded Linear Type system for PCF in Call-by-value	Marco Bernardo. Weak Markovian Bisimulation Congruences and Exact CTMC-Level Aggregations for Concurrent Processes	Jean-Guillaume Dumas, Dominique Duval, Laurent Fousse, Jean-Claude Reynaud. Decorated Proofs for Computational Effects: States	Eduardo Zambon, Arend Rensink. Graph Subsumption in Abstract State Space Exploration	David Pereira. Deciding Regular Expression (In-)Equivalence in Coq	David Pereira. Deciding Regular Expression (In-)Equivalence in Coq	Jean-François Raskin. Strategy Synthesis for Quantitative Games
	Celia Picard and Ralph Matthes. Permutations in Coinductive Graph Representation	Matthieu Perrinel. On the Expressivity of Linear Logic Subsystems Characterizing Polynomial Time	Henri Hansen and Mark Timmer. Why Confluence Reduction is Better than Partial Order Reduction in Probabilistic and Non-Probabilistic Branching Time Categories	Hanna Schölzel, Hartmut Ehrig, Maria Maximova, Karsten Gabriel, Frank Hermann. Satisfaction, Restriction and Amalgamation of Constraints in the Framework of M-Adhesive Categories	Claudio Sacerdoti Coen. Unification in the Matita ITP	Claudio Sacerdoti Coen. Unification in the Matita ITP		
15.30-16.00	Coffee							
16.00-17.30	CMCS Toby Wilkinson. Internal Models for Coalgebraic Modal Logics		Zinovy Diskin. CT for BX: Category Theory Foundations for Bidirectional Model Transformations [Invited talk]	ACCAT Zinovy Diskin. CT for BX: Category Theory Foundations for Bidirectional Model Transformations [Invited talk]	Graphite Jaak Vilo. Graphs in Bioinformatics and Social Networks [Invited talk]	Linearity Yuxin Deng, Iliano Cervesato, Robert Simmons. Relating Reasoning Methodologies in Linear Logic and Process Algebra	AIPA Pierre Bouillier. Heterogeneous-Equality-Free Compilation of Dependent Pattern-Matching	SVARM Stefan Ratschan. Physical/Software Systems and Their Formal Safety Verification
	Alexander Kurz, Daniela Petrisan, Paula Severi and Fer-Jan de Vries. An alpha-Corecursion Principle for the Infinitary					Beniamino Accattoli. A Linear Analysis of Call-by-Value Lambda Calculus	Julian Samborski-Forlese. Translation of RTL into Büchi Automata	
	Johannes Marti and Yde Venema. Lax Extensions of Coalgebra Functors			Discussion: Past and Future of ACCAT	Andreas Beckmann, Jaroslav Fedorowicz, Jörg Keller and Ulrich Meyer. A Structural Analysis of the A5/1 State Transition Graph	Paolo Torrini. Linear Dependent Types with Local Variables		