

Monday, March 18th, 2013

9:00 – 10:30	<i>Opening</i> FoSSaCS invited – Martin Hofmann: <i>Ten years of amortized resource analysis</i>	
10:30 – 11:00	Coffee break	
11:00 – 12:30	FoSSaCS 1 <i>Models of Computation</i> (chair: TBA)	<ul style="list-style-type: none"> Jonathan Hayman, Tobias Heindel: <i>Pattern Graphs and Rule-Based Models: the Semantics of Kappa</i> Nikos Tzevelekos, Radu Grigore: <i>History-Register Automata</i> Michael Huth, Jim Huan-Pu Kuo, Nir Piterman: <i>Fatal Attractors in Parity Games</i>
	POST 1 <i>Privacy</i> (chair: Bruno Blanchet)	<ul style="list-style-type: none"> Rémy Chrétien, Stéphanie Delaune: <i>Formal analysis of privacy for routing protocols in mobile ad hoc networks</i> Myrto Arapinis, Veronique Cortier, Steve Kremer, Mark Ryan: <i>Practical everlasting privacy</i> Ehab Elsalamouny, Konstantinos Chatzikokolakis, Catuscia Palamidessi: <i>A differentially private mechanism of optimal utility for a region of priors</i>
	TACAS 1 <i>Markov Chains</i> (chair: TBA)	<ul style="list-style-type: none"> Giorgio Bacci, Giovanni Bacci, Kim G. Larsen, Radu Mardare: <i>On-the-Fly Exact Computation of Bisimilarity Distances</i> Christian Eisentraut, Holger Hermanns, Johann Schuster, Andrea Turrini, Lijun Zhang: <i>The Quest for Minimal Quotients for Probabilistic Automata</i> Michael Benedikt, Rastislav Lenhardt, James Worrell: <i>LTL model checking of Interval Markov Chains</i>
12:30 – 14:00	Lunch	
14:00 – 15:30	FoSSaCS 2 <i>Reasoning about Processes</i> (chair: TBA)	<ul style="list-style-type: none"> Jannik Dreier, Cristian Ene, Pascal Lafourcade, Yassine Lakhnech: <i>On Unique Decomposition of Processes in the Applied Pi-Calculus</i> Remi Bonnet, Rohit Chadha: <i>Bounded Context-Switching and Reentrant Locking</i> Lorenzo Clemente, Frédéric Herbreteau, Amelie Stainer, Grégoire Sutre: <i>Reachability of Communicating Timed Processes</i>
	POST 2 <i>Security Protocols I</i> (chair: Joshua Guttman)	<ul style="list-style-type: none"> David Cadé, Bruno Blanchet: <i>Proved Generation of Implementations from Computationally-Secure Protocol Specifications</i> Binh Thanh Nguyen, Christoph Sprenger: <i>Sound Security Protocol Transformations</i> Michele Bugliesi, Stefano Calzavara, Fabienne Eigner, Matteo Maffei: <i>Logical Foundations of Secure Resource Management in Protocol Implementations</i>
	TACAS 2 <i>Termination and Quantifier Elimination</i> (chair: TBA)	<ul style="list-style-type: none"> Byron Cook, Abigail See, Florian Zuleger: <i>Ramsey vs. lexicographic termination proving</i> Kshitij Bansal, Eric Koskinen, Thomas Wies, Damien Zufferey: <i>Structural Counter Abstraction</i> Ajith John, Supratik Chakraborty: <i>Extending Quantifier Elimination to Linear Inequalities on Bit-vectors</i>
15:30 – 16:00	Tea break	
16:00 – 18:00	FoSSaCS 3 <i>Bisimulation</i> (chair: TBA)	<ul style="list-style-type: none"> Martin Churchill, Peter Mosses: <i>Modular Bisimulation Theory for Computations and Values</i> Fernando Orejas, Artur Boronat, Ulrike Golas, Nikos Mylonakis: <i>Checking Bisimilarity of Attributed Graphs</i> Faris Abou-Saleh, Dirk Pattinson: <i>Comodels and Effects in Mathematical Operational Semantics</i> Shin-Ya Katsumata, Tetsuya Sato: <i>Preorders on Monads and Coalgebraic Simulations</i>
	POST 3 <i>Topics in Foundations of Security</i> (chair: John Mitchell)	<ul style="list-style-type: none"> Chetan Bansal, Karthikeyan Bhargavan, Antoine Delignat-Lavaud, Sergio Maffei: <i>Keys to the Cloud: Formal Analysis and Concrete Attacks on Encrypted Web Storage</i> Sebastian A. Mödersheim, Flemming Nielson, Hanne Riis Nielson: <i>Lazy Mobile Intruders</i> Martin Abadi, Jérémy Planul: <i>On Layout Randomization for Arrays and Functions</i> Massimo Bartoletti, Tiziana Cimoli, Roberto Zunino: <i>A theory of agreements and protection</i>
	TACAS 3 <i>SAT/SMT</i> (chair: TBA)	<ul style="list-style-type: none"> Alessandro Cimatti, Alberto Griggio, Bastiaan Joost Schaafsma, Roberto Sebastiani: <i>The MathSAT5 SMT Solver (Regular Tool Paper)</i> Anton Belov, Matti Järvisalo, Joao Marques-Silva: <i>Formula Preprocessing in MUS Extraction</i> Juergen Christ, Jochen Hoenicke, Alexander Nutz: <i>Proof Tree Preserving Interpolation</i> Siert Wieringa, Keijo Heljanko: <i>Asynchronous Multi-Core Incremental SAT Solving</i>

Tuesday, March 19th, 2013

9:00 – 10:00	POST invited – Jean-Pierre Hubaux: <i>From Location Privacy to Genomic Privacy</i>	
10:00 – 10:30	Coffee break	
10:30 – 12:30	FoSSaCS 4 <i>Modal and Higher-Order Logics</i> (chair: TBA)	<ul style="list-style-type: none"> • Matteo Mio, Alex Simpson: <i>A Proof System for Compositional Verification of Probabilistic Concurrent Processes</i> • Lukasz Czajka: <i>Partiality and Recursion in Higher-Order Logic</i> • Fredrik Dahlqvist, Dirk Pattinson: <i>Some Sahlqvist Completeness Results for Coalgebraic Modal Logics</i> • Lutz Strassburger: <i>Cut Elimination in Nested Sequent Systems for Intuitionistic Modal Logics</i>
	POST 4 <i>Security Protocols II</i> (chair: Sebastian Modersheim)	<ul style="list-style-type: none"> • Michael Backes, Fabian Bendun, Dominique Unruh: <i>Computational Soundness of Symbolic Zero-knowledge Proofs: Weaker Assumptions and Mechanized Verification</i> • Vincent Cheval, Bruno Blanchet: <i>Proving More Observational Equivalences with ProVerif</i> • Jannik Dreier, Pascal Lafourcade, Yassine Lakhnech: <i>Formal Verification of e-Auction protocols</i> • Marco Carbone, Joshua Guttman: <i>Sessions and Separability in Security Protocols</i>
	TACAS 4 <i>Games & Synthesis, and Process Algebra</i> (chair: TBA)	<ul style="list-style-type: none"> • Chung-Hao Huang, Sven Schewe, Farn Wang: <i>Model-Checking Iterative Games</i> • Aaron Bohy, Véronique Bruyère, Emmanuel Filiot, Jean-François Raskin: <i>Synthesis from LTL Specifications with Mean-Payoff Objectives</i> • Taolue Chen, Vojtech Forejt, Marta Kwiatkowska, David Parker, Aistis Simaitis: <i>PRISM-games: A Model Checker for Stochastic Multi-Player Games (Tool Demo)</i> • Radu Mateescu, Gwen Salaün: <i>PIC2LNT: Model Transformation for Model Checking an Applied Pi-calculus (Tool Demo)</i> • Sjoerd Cranen, Jan Friso Groote, Jeroen Keiren, Frank Stappers, Erik de Vink, Wieger Wesselink, Tim Willemse: <i>An Overview of the mCRL2 Toolset and its Recent Advances (Regular Tool Paper)</i>
12:30 – 14:00	Lunch	
14:00 – 15:30	ESOP 1 <i>Programming Techniques</i> (chair: TBA)	<ul style="list-style-type: none"> • Mihai Budiu, Joel Galenson, Gordon D. Plotkin: <i>The Compiler Forest</i> • Arthur Charguéraud: <i>Pretty-Big-Step Semantics</i> • Jean-Baptiste Jeannin, Dexter Kozen, Alexandra Silva: <i>Language Constructs for Non-Well-Founded Computation</i>
	FoSSaCS 5 <i>Reasoning about Second-Order Functionals</i> (chair: TBA)	<ul style="list-style-type: none"> • Andrej Bauer, Aleksandr Karbyshev, Martin Hofmann: <i>On Monadic Parametricity of Second-Order Functionals</i> • Andrzej Murawski, Nikos Tzevelekos: <i>Deconstructing General References via Game Semantics</i> • Robbert Krebbers and Freek Wiedijk: <i>Separation Logic for Non-local Control Flow and Block Scope Variables</i>
	TACAS 5 <i>Pushdown</i> (chair: TBA)	<ul style="list-style-type: none"> • Patrice Godefroid, Mihalis Yannakakis: <i>Analysis of Boolean Programs</i> • Yasuhiko Minamide: <i>Weighted Pushdown Systems with Indexed Weight Domains</i> • Pierre Ganty, Radu Iosif, Filip Konečný: <i>Underapproximation of Procedure Summaries for Integer Programs</i>
15:30 – 16:00	Tea break	
16:00 – 18:00	ESOP 2 <i>Programming Tools</i> (chair: TBA)	<ul style="list-style-type: none"> • Stephen Chang: <i>Laziness by Need</i> • Kazutaka Matsuda, Meng Wang: <i>FliPpr: A Prettier Invertible Printing System</i> • Maria Alpuente, Demis Ballis, Francisco Frechina, Julia Sapiña: <i>Slicing-based Trace Analysis of Rewriting Logic Specifications with iJulienne</i> • Jean-Christophe Filliâtre, Andrei Paskevich: <i>Why3 – Where Programs Meet Provers</i>
	FoSSaCS 6 <i>Computational Complexity</i> (chair: TBA)	<ul style="list-style-type: none"> • Prateek Karandikar, Sylvain Schmitz: <i>The Parametric Ordinal-Recursive Complexity of Post Embedding Problems</i> • Wojciech Czerwinski, Claire David, Katja Losemann, Wim Martens: <i>Deciding Definability by Deterministic Regular Expressions</i> • Emmanuel Hainry, Jean-Yves Marion, Romain Péchoux: <i>Type-Based Complexity Analysis for Concurrent Programs</i> • Martin Hofmann, Ramyaa Ramyaa, Ulrich Schöpp: <i>Pure Pointer Programs and Tree Isomorphism</i>
	TACAS 6 <i>Runtime Verification and Model Checking</i> (chair: TBA)	<ul style="list-style-type: none"> • Dino Distefano, Radu Grigore, Rasmus Lerchedahl Petersen, Nikos Tzevelekos: <i>Runtime Verification Based on Register Automata</i> • Graeme Gange, Jorge A. Navas, Peter J. Stuckey, Harald Sondergaard, Peter Schachte: <i>Unbounded Model-Checking with Interpolation for Regular Language Constraints</i> • Grigory Fedyukovich, Ondrej Sery, Natasha Sharygina: <i>eVolCheck: Incremental Upgrade Checker for C (Regular Tool Paper)</i> • Yakir Vizel, Orna Grumberg, Sharon Shoham: <i>Intertwined Forward-Backward Reachability Analysis Using Interpolants</i>

Wednesday, March 20th, 2013

9:00 – 10:00	Unified talk – Gilles Barthe: <i>Computer-aided Cryptographic Proofs</i>	
10:00 – 10:30	Coffee break	
10:30 – 12:30	ESOP 3 <i>Separation Logic</i> (chair: TBA)	<ul style="list-style-type: none"> Constantin Enea, Vlad Saveluc, Mihaela Sighireanu: <i>Compositional Invariant Checking for Overlaid and Nested Linked Lists</i> Ioannis T. Kassios, Eleftherios Kritikos: <i>A Discipline for Program Verification based on Backpointers and its Use in Observational Disjointness</i> Kasper Svendsen, Lars Birkedal, Matthew Parkinson: <i>Modular Reasoning about Separation of Concurrent Data Structures</i> John Wickerson, Mike Dodds, Matthew Parkinson: <i>Ribbon Proofs for Separation Logic</i>
	FASE 1 <i>Model-Driven Engineering : concepts</i> (chair: TBA)	<ul style="list-style-type: none"> Daniel Strüber, Gabriele Taentzer, Stefan Jurack, Tim Schäfer: <i>Towards a Distributed Modeling Process Based on Composite Models</i> Rick Salay, Jan Gorzny, Marsha Chechik: <i>Change Propagation Due to Uncertainty Change</i> Marco Autili, Davide Di Ruscio, Amleto Di Salle, Paola Inverardi, Massimo Tivoli: <i>A model-based synthesis process for choreography realizability enforcement</i> Evelyn Nicole Haslinger, Roberto Erick Lopez-Herrejon, Alexander Egyed: <i>On Extracting Feature Models from Sets of Valid Feature Combinations</i>
	FoSSaCS 7 <i>Quantitative Models</i> (chair: TBA)	<ul style="list-style-type: none"> Pietro Di Gianantonio, Abbas Edalat: <i>A Language for Differentiable Functions</i> Michael Ummels, Christel Baier: <i>Computing Quantiles in Markov Reward Models</i> Guy Avni, Orna Kupferman: <i>Parameterized Weighted Containment</i> Benedikt Bollig, Paul Gastin, Benjamin Monmege: <i>Weighted Specifications over Nested Words</i>
	TACAS 7 <i>Concurrency and Learning & Abduction</i> (chair: TBA)	<ul style="list-style-type: none"> Parosh Aziz Abdulla, Frédéric Haziza, Lukáš Holík, Bengt Jonsson, Ahmed Rezine: <i>An Integrated Specification and Verification Technique for Highly Concurrent Data Structures</i> Alexander Linden, Pierre Wolper: <i>A Verification-Based Approach to Memory Fence Insertion in PSO Memory Systems</i> David White, Gerald Lüttgen: <i>Identifying Dynamic Data Structures by Learning Evolving Patterns in Memory</i> Boyang Li, Isil Dilligi, Thomas Dilligi, Ken Mcmillan, Mooly Sagiv: <i>Synthesis of Circular Compositional Program Proofs via Abduction</i>
12:30 – 14:00	Lunch	
14:00 – 15:00	Unified talk – Cedric Fournet: <i>An Implementation of TLS 1.2 with Verified Cryptographic Security</i>	
15:15 – 16:15	ESOP 4 <i>Gradual Typing</i> (chair: TBA)	<ul style="list-style-type: none"> Niki Vazou, Patrick M. Rondon, Ranjit Jhala: <i>Abstract Refinement Types</i> Asumu Takikawa, T. Stephen Strickland, Sam Tobin-Hochstadt: <i>Constraining Delimited Control with Contracts</i>
	FASE 2 <i>Verification and Validation 1</i> (chair: TBA)	<ul style="list-style-type: none"> Dirk Beyer, Stefan Löwe: <i>Explicit-State Software Model Checking Based on CEGAR and Interpolation</i> Julia Rubin, Marsha Chechik: <i>Quality of Merge-Refactorings for Product Lines</i>
	TACAS 8 <i>Timed automata</i> (chair: TBA)	<ul style="list-style-type: none"> Jean-François Kempf, Marius Bozga, Oded Maler: <i>As Soon as Probable: Optimal Scheduling under Stochastic Uncertainty</i> Aleksandra Jovanović, Didier Lime, Olivier H. Roux: <i>Integer Parameter Synthesis for Timed Automata</i>
16:15 – 16:30	Tea break	
16:30 – 18:00	ESOP 5 <i>Shared-memory Concurrency and Verification</i> (chair: TBA)	<ul style="list-style-type: none"> Alexey Gotsman, Noam Rinetzky, Hongseok Yang: <i>Verifying Concurrent Memory Reclamation Algorithms with Grace</i> Peter Collingbourne, Alastair F. Donaldson, Jeroen Ketema, Shaz Qadeer: <i>Interleaving and Lock-Step Semantics for Analysis and Verification of GPU Kernels</i> Ahmed Bouajjani, Michael Emmi, Constantin Enea, Jad Hamza: <i>Verifying Concurrent Programs against Sequential Specifications</i>
	FASE 3 <i>Software comprehension</i> (chair: TBA)	<ul style="list-style-type: none"> Arbi Bouchoucha, Houari Sahraoui, Pierre L'Ecuyer: <i>Towards Understanding the Behavior of Classes Using Probabilistic Models of Program Inputs</i> Massimiliano De Leoni, Marlon Dumas, Luciano García-Bañuelos: <i>Discovering Branching Conditions from Business Process Execution Logs</i> Hao Zhong, Suresh Thummalapenta, Tao Xie: <i>Exposing Behavioral Differences in Cross-Language API Mapping Relations</i>
	FoSSaCS 8 <i>Categorical Models</i> (chair: TBA)	<ul style="list-style-type: none"> Sam Staton: <i>An Algebraic Presentation of Predicate Logic</i> Glynn Winskel: <i>Strategies as Profunctors</i> Ranald Clouston: <i>Generalised Name Abstraction for Nominal Sets</i>
	TACAS 9 <i>Security and Access Control</i> (chair: TBA)	<ul style="list-style-type: none"> Fu Song, Tayssir Touili: <i>LTL Model-Checking for Malware Detection</i> Anna Lisa Ferrara, P. Madhusudan, Gennaro Parlato: <i>Policy Analysis for Self-Administrated Role-Based Access Control</i> Masoud Koleini, Eike Ritter, Mark Ryan: <i>Model checking agent knowledge in dynamic access control policies</i>

Thursday, March 21st, 2013

9:00 – 10:00	FASE invited – Krzysztof Czarnecki: <i>Variability in Software: State of the Art and Future Directions</i>	
10:00 – 10:30	Coffee break	
10:30 – 12:30	ESOP 6 <i>Process calculi</i> (chair: TBA)	<ul style="list-style-type: none"> • Kirstin Peters, Uwe Nestmann, Ursula Goltz: <i>On Distributability in Process Calculi</i> • Luis Caires, Jorge A. Pérez, Frank Pfenning, Bernardo Toninho: <i>Behavioral Polymorphism and Parametricity in Session-Based Communication</i> • Bernardo Toninho, Luis Caires, Frank Pfenning: <i>Higher-Order Processes, Functions, and Sessions: A Monadic Integration</i> • Ivan Lanese, Michael Lienhardt, Claudio Antares Mezzina, Alan Schmitt, Jean-Bernard Stefani: <i>Concurrent Flexible Reversibility</i>
	FASE 4 <i>Verification and Validation 2</i> (chair: TBA)	<ul style="list-style-type: none"> • Birgit Hofer, André Ribeiro, Franz Wotawa, Rui Abreu, Elisabeth Getzner: <i>On the Empirical Evaluation of Fault Localization Techniques for Spreadsheets</i> • John Lasseter, John Cipriano: <i>Design Pattern-Based Extension of Class Hierarchies to Support Runtime Invariant Checks</i> • Lan Lin, Jesse H. Poore, Robert Eschbach, Rob M. Hierons, Christopher Robinson-Mallett: <i>Augmenting Sequence Enumeration with String-Rewriting for Requirements Analysis and Behavioral Specification</i> • Rouwaida Abdallah, Arnaud Gotlieb, Loic Helouet and Claude Jard: <i>Scenario realizability with constraint optimization</i>
	TACAS <i>Competition on Software Verification</i> (chair: Dirk Beyer)	<ul style="list-style-type: none"> • Dirk Beyer: <i>Competition Report</i> • Pavel Shved, Mikhail Mandrykin, Vadim Mutilin: <i>Predicate Analysis with BLAST 2.7.1</i> • Stefan Löwe: <i>CPAchecker with Explicit-Value Analysis Based on CEGAR and Interpolation</i> • Philipp Wendler: <i>CPAchecker with Sequential Combination of Explicit-State Analysis and Predicate Analysis</i> • Bernd Fischer, Omar Inverso, Gennaro Parlato: <i>CSeq: A Sequentialization Tool for C</i> • Jeremy Morse, Lucas Cordeiro, Denis Nicole, Bernd Fischer: <i>Handling Unbounded Loops with ESBMC 1.20</i> • Stephan Falke, Florian Merz, Carsten Sinz: <i>LLBMC: Improved Bounded Model Checking of C Programs Using LLVM</i> • Kamil Dudka, Petr Müller, Petr Peringer, Tomáš Vojnar: <i>Predator: A Tool for Verification of Low-level List Manipulation</i> • Jiri Slaby, Jan Strejček, Marek Trtik: <i>Symbiotic: Synergy of Instrumentation, Slicing, and Symbolic Execution</i> • Corneliu Popeea, Andrey Rybalchenko: <i>Threader: A Verifier for Multi-threaded Programs</i> • Arie Gurfinkel, Aws Albarghouthi, Sagar Chaki, Yi Li, Marsha Chechik: <i>UFO: Verification with Interpolants and Abstract Interpretation</i> • Matthias Heizmann, Juergen Christ, Daniel Dietsch, Evren Ermis, Jochen Hoenicke, Markus Lindenmann, Alexander Nutz, Christian Schilling, Andreas Podelski: <i>Ultimate Automizer with SMTInterpol</i>
	TACAS 10 <i>Frontiers (Quantum & Graphics) and Functional Programs & Types</i> (chair: TBA)	<ul style="list-style-type: none"> • Robert Nagy, Gerardo Schneider, Aram Timofeitchik: <i>Automatic Testing of Real-Time Graphics Systems (Case Study Paper)</i> • Ebrahim Ardeshir-Larijani, Simon Gay, Rajagopal Nagarajan: <i>Equivalence Checking of Quantum Protocols</i> • Jasmin Christian Blanchette, Sascha Böhme, Andrei Popescu, Nicholas Smallbone: <i>Encoding Monomorphic and Polymorphic Types</i> • Sooraj Bhat, Johannes Borgström, Andy Gordon, Claudio Russo: <i>Deriving Probability Density Functions from Probabilistic Functional Programs</i>
12:30 – 14:00	Lunch	
14:00 – 15:00	TACAS invited – Orna Grumberg: <i>SAT-Based Model Checking: Interpolation, IC3 and Beyond</i>	
15:15 – 16:15	CC 1 <i>Register allocation</i> (chair: TBA)	<ul style="list-style-type: none"> • Philipp Klaus Krause: <i>Optimal Register Allocation in Polynomial Time</i> • Gergő Barany, Andreas Krall: <i>Optimal and Heuristic Global Code Motion for Minimal Spilling</i>
	ESOP 7 <i>Taming Concurrency</i> (chair: TBA)	<ul style="list-style-type: none"> • Yi Lu, John Potter, Jingling Xue: <i>Structural Lock Correlation with Ownership Types</i> • Joost-Peter Katoen, Doron Peled: <i>Taming Confusion for Modeling and Implementing Probabilistic Concurrent Systems</i>
	FASE 5 <i>Analysis Tools</i> (chair: TBA)	<ul style="list-style-type: none"> • Omer Tripp, Marco Pistoia, Patrick Cousot, Radhia Cousot, Salvatore Guarnieri: <i>Andromeda: Accurate and Scalable Security Analysis of Web Applications</i> • Matthias GÜdemann, Pascal Poizat, Gwen Salaün, Alexandre Dumont: <i>VerChor: A Framework for Verifying Choreographies (Tool Paper)</i> • Martin Nordio, Cristiano Calcagno, Carlo Alberto Furia: <i>Javanni: A Verifier for JavaScript (Tool Paper)</i>

	TACAS 11 <i>Tool demos</i> (chair: TBA)	<ul style="list-style-type: none"> Corina Pasareanu, Daniel Balasubramanian, Gabor Karsai, Michael Lowry: <i>Polyglot: Systematic Analysis for Multiple Statechart Formalisms (Tool Demo)</i> Parosh Aziz Abdulla, Mohamed Faouzi Atig, Yu-Fang Chen, Carl Leonardsson, Ahmed Rezine: <i>Memorax: Fence Inference under the TSO Memory Model (Tool Demo)</i> Yu-Fang Chen, Bow-Yaw Wang: <i>BULL: a Library for Learning Algorithms of Boolean Functions (Tool Demo)</i> Michael Backes, Sebastian Gerling, Christian Hammer, Matteo Maffei, Philipp von Styp-Rekowsky: <i>AppGuard - Enforcing User Requirements on Android Apps (Tool Demo)</i>
16:15 – 16:30	Tea break	
16:30 – 18:00	CC 2 <i>Pointer analysis</i> (chair: TBA)	<ul style="list-style-type: none"> George Kastrinis, Yannis Smaragdakis: <i>Efficient and Effective Handling of Exceptions in Java Points-To Analysis</i> Yi Lu, Lei Shang, Xinwei Xie, Jingling Xue: <i>An Incremental Points-to Analysis with CFL-Reachability</i> Holger Siegel, Axel Simon: <i>FESA: Fold- and Expand-based Shape Analysis</i>
	ESOP 8 <i>Model Checking and Verification</i> (chair: TBA)	<ul style="list-style-type: none"> Naoki Kobayashi, Atsushi Igarashi: <i>Model-Checking Higher-Order Programs with Recursive Types</i> Mohamed Nassim Seghir, Daniel Kroening: <i>Counterexample-guided Precondition Inference</i> Dirk Beyer, Andreas Holzer, Michael Tautschnig, Helmut Veith: <i>Information Reuse for Multi-goal Reachability Analyses</i>
	FASE 6 <i>Model-Driven Engineering: applications</i> (chair: TBA)	<ul style="list-style-type: none"> Ahlem Triki, Jacques Combaz, Saddek Bensalem, Joseph Sifakis: <i>Model-Based Implementation of Parallel Real-Time Systems</i> Wei Yang, Mukul Prasad, Tao Xie: <i>A Grey-box Approach for Automated GUI-Model Generation of Mobile Applications</i> Francesco Bongiovanni, Ludovic Henrio: <i>A Mechanized Model for CAN Protocols</i>
	TACAS 12 <i>Explicit State Model Checking and Büchi Automata</i> (chair: TBA)	<ul style="list-style-type: none"> Milos Gligoric, Rupak Majumdar: <i>Model Checking Database Applications</i> Anton Wijs, Luc Engelen: <i>Efficient Property Preservation Checking of Model Refinements</i> Etienne Renault, Alexandre Duret-Lutz, Fabrice Kordon, Denis Poirineaud: <i>Strength-based decomposition of the property Büchi automaton for faster model checking</i>

Friday, March 22nd, 2013

9:00 – 10:30	CC invited – Emery Berger: <i>Programming with People: Integrating Human-Based and Digital Computation</i> <i>Böhm Fest</i>	
10:30 – 11:00	Coffee break	
11:00 – 12:30	CC 3 <i>Data and information flow</i> (chair: TBA)	<ul style="list-style-type: none"> Matthias Braun, Sebastian Buchwald, Sebastian Hack, Roland Leißa, Christoph Mallon, Andreas Zwinkau: <i>Simple and Efficient Construction of Static Single Assignment Form</i> Somashekaracharya G Bhaskaracharya, Uday Bondhugula: <i>PolyGLoT: A Polyhedral Loop Transformation Framework for a Graphical Dataflow Language</i> Ryan Whelan, Tim Leek, David Kaeli: <i>Architecture-Independent Dynamic Information Flow Tracking</i>
	ESOP 9 <i>Weak-memory Concurrency and Verification</i> (chair: TBA)	<ul style="list-style-type: none"> Radha Jagadeesan, Gustavo Petri, Corin Pitcher, James Riely: <i>Quarantining Weakness</i> Jade Alglave, Daniel Kroening, Vincent Nimal, Michael Tautschnig: <i>Software Verification for Weak Memory via Program Transformation</i> Ahmed Bouajjani, Egor Derevenetc, Roland Meyer: <i>Checking and Enforcing Robustness against TSO</i>
	FASE 7 <i>Model Transformations</i> (chair: TBA)	<ul style="list-style-type: none"> Julian Bradfield, Perdita Stevens: <i>Enforcing QVT-R with mu-calculus and games</i> Nuno Macedo, Alcino Cunha: <i>Implementing QVT-R Bidirectional Model Transformations using Alloy</i> Mayur Bapodra, Reiko Heckel: <i>Abstraction and Training of Stochastic Graph Transformation Systems</i>
12:30 – 14:00	Lunch	
14:00 – 16:00	ESOP invited – Mark S. Miller: <i>Distributed Electronic Rights in JavaScript</i> <i>Tribute to Kohei Honda</i>	
15:15 – 16:15	CC 4 <i>Machine learning</i> (chair: TBA)	<ul style="list-style-type: none"> Rosario Cammarota: <i>Determination of inlining vectors for program optimization</i> Ryan Moore, Bruce Childers: <i>Automatic Generation of Program Affinity Policies Using Machine Learning</i>

16:15 – 16:30	<i>Tea break</i>	
16:30 – 18:00	CC 5 <i>Refactoring</i> (chair: TBA)	<ul style="list-style-type: none"> • Stefan Kempf, Ronald Veldema, Michael Philippsen: <i>Compiler-Guided Identification of Critical Sections in Parallel Code</i> • Soroush Radpour, Laurie Hendren, Max Schaefer: <i>Refactoring MATLAB</i> • Eberhard Bertsch, Mark-Jan Nederhof, Sylvain Schmitz: <i>On LR Parsing with Selective Delays</i>
	ESOP 10 <i>Types, Inference and Analysis</i> (chair: TBA)	<ul style="list-style-type: none"> • Gabriel Scherer, Didier Rémy: <i>GADTs meet subtyping</i> • Rahul Sharma, Saurabh Gupta, Bharath Hariharan, Alex Aiken, Percy Liang, Aditya V. Nori: <i>A Data Driven Approach for Algebraic Loop Invariants</i> • Martin Hofmann, Dulma Rodriguez: <i>Automatic Type Inference for Amortised Heap-Space Analysis</i>
	FASE 8 <i>Testing</i> (chair: TBA)	<ul style="list-style-type: none"> • Anirudh Santhiar, Omesh Pandita, Aditya Kanade: <i>Discovering Math APIs by Mining Unit Tests</i> • Kazunori Sakamoto, Tomohiro Kaizu, Daigo Hamura, Hironori Washizaki, Yoshiaki Fukazawa: <i>POGen: A Test Code Generator Based on Template Variable Coverage in Gray-Box Integration Testing for Web Applications</i> • Ana Cavalcanti, Robert Hierons: <i>Testing with inputs and outputs in CSP</i>