

Table of Contents

Invited Paper

Semantical Evaluations as Monadic Second-Order Compatible Structure Transformations	1
<i>Bruno Courcelle</i>	

Contributed Papers

Verification for Java's Reentrant Multithreading Concept	5
<i>Erika Ábrahám-Mumm, Frank S. de Boer, Willem-Paul de Roever, Martin Steffen</i>	
On the Integration of Observability and Reachability Concepts	21
<i>Michel Bidoit, Rolf Hennicker</i>	
Proving Correctness of Timed Concurrent Constraint Programs	37
<i>Frank S. de Boer, Maurizio Gabbrielli, Maria Chiara Meo</i>	
Generalised Regular MSC Languages	52
<i>Benedikt Bollig, Martin Leucker, Thomas Noll</i>	
On Compositional Reasoning in the Spi-calculus	67
<i>Michele Boreale, Daniele Gorla</i>	
On Specification Logics for Algebra-Coalgebra Structures: Reconciling Reachability and Observability	82
<i>Corina Cîrstea</i>	
A First-Order One-Pass CPS Transformation	98
<i>Olivier Danvy, Lasse R. Nielsen</i>	
The Demonic Product of Probabilistic Relations	114
<i>Ernst-Erich Doberkat</i>	
Minimizing Transition Systems for Name Passing Calculi: A Co-algebraic Formulation	129
<i>Gianluigi Ferrari, Ugo Montanari, Marco Pistore</i>	
Varieties of Effects	144
<i>Carsten Führmann</i>	
A Characterization of Families of Graphs in Which Election Is Possible . . .	159
<i>Emmanuel Godard, Yves Métivier</i>	

Equivalence-Checking with One-Counter Automata: A Generic Method for Proving Lower Bounds	172
<i>Petr Jančar, Antonín Kučera, Faron Moller, Zdeněk Sawa</i>	
Efficient Type Matching	187
<i>Somesh Jha, Jens Palsberg, Tian Zhao</i>	
Higher-Order Pushdown Trees Are Easy	205
<i>Teodor Knapik, Damian Niwiński, Paweł Urzyczyn</i>	
Conflict Detection and Resolution in Access Control Policy Specifications	223
<i>Manuel Koch, Luigi V. Mancini, Francesco Parisi-Presicce</i>	
Logics Admitting Final Semantics	238
<i>Alexander Kurz</i>	
Model Checking Fixed Point Logic with Chop	250
<i>Martin Lange, Colin Stirling</i>	
On Model Checking Durational Kripke Structures	264
<i>François Laroussinie, Nicolas Markey, Philippe Schnoebelen</i>	
Model-Checking Infinite Systems Generated by Ground Tree Rewriting . . .	280
<i>Christof Löding</i>	
Bounded MSC Communication	295
<i>Markus Lohrey, Anca Muscholl</i>	
The Informatic Derivative at a Compact Element	310
<i>Keye Martin</i>	
Heterogeneous Development Graphs and Heterogeneous Borrowing	326
<i>Till Mossakowski</i>	
Notions of Computation Determine Monads	342
<i>Gordon Plotkin, John Power</i>	
A Calculus of Circular Proofs and Its Categorical Semantics	357
<i>Luigi Santocanale</i>	
Verifying Temporal Properties Using Explicit Approximants: Completeness for Context-free Processes	372
<i>Ulrich Schöpp, Alex Simpson</i>	
Note on the Tableau Technique for Commutative Transition Systems	387
<i>Jiří Srba</i>	
A Semantic Basis for Local Reasoning	402
<i>Hongseok Yang, Peter O'Hearn</i>	

Linearity and Bisimulation 417
Nobuko Yoshida, Kohei Honda, Martin Berger

Author Index 435