

Table of Contents

Invited Paper

- Adequacy for Algebraic Effects 1
Gordon Plotkin and John Power

Contributed Papers

- Secrecy Types for Asymmetric Communication 25
Martín Abadi and Bruno Blanchet
- Axiomatizing Tropical Semirings 42
Luca Aceto, Zoltán Ésik, and Anna Ingólfssdóttir
- Type Isomorphisms and Proof Reuse in Dependent Type Theory 57
Gilles Barthe and Olivier Pons
- On the Duality between Observability and Reachability 72
Michel Bidoit, Rolf Hennicker, and Alexander Kurz
- The Finite Graph Problem for Two-Way Alternating Automata 88
Mikołaj Bojańczyk
- High-Level Petri Nets as Type Theories in the Join Calculus 104
Maria Grazia Buscemi and Vladimiro Sassone
- Temporary Data in Shared Dataspace Coordination Languages 121
Nadia Busi, Roberto Gorrieri, and Gianluigi Zavattaro
- On Garbage and Program Logic 137
Cristiano Calcagno and Peter W. O'Hearn
- The Complexity of Model Checking Mobile Ambients 152
*Witold Charatonik, Silvano Dal Zilio, Andrew D. Gordon,
Supratik Mukhopadhyay, and Jean-Marc Talbot*
- The Rho Cube 168
Horatiu Cirstea, Claude Kirchner, and Luigi Liquori
- Type Inference with Recursive Type Equations 184
Mario Coppo
- On the Modularity of Deciding Call-by-Need 199
Irène Durand and Aart Middeldorp
- Synchronized Tree Languages Revisited and New Applications 214
Valérie Gouranton, Pierre Réty, and Helmut Seidl

Computational Completeness of Programming Languages Based on Graph Transformation.....	230
<i>Ansgret Habel and Detlef Plump</i>	
Axioms for Recursion in Call-by-Value (Extended Abstract)	246
<i>Masahito Hasegawa and Yoshihiko Kakutani</i>	
Class Analysis of Object-Oriented Programs through Abstract Interpretation	261
<i>Thomas Jensen and Fausto Spoto</i>	
On the Complexity of Parity Word Automata	276
<i>Valerie King, Orna Kupferman, and Moshe Y. Vardi</i>	
Foundations for a Graph-Based Approach to the Specification of Access Control Policies	287
<i>Manuel Koch, Luigi Vincenzo Mancini, and Francesco Parisi-Presicce</i>	
Categories of Processes Enriched in Final Coalgebras	303
<i>Sava Krstić, John Launchbury, and Duško Pavlović</i>	
Model Checking CTL ⁺ and FCTL Is Hard	318
<i>François Laroussinie, Nicolas Markey, and Philippe Schnoebelen</i>	
On Regular Message Sequence Chart Languages and Relationships to Mazurkiewicz Trace Theory	332
<i>Rémi Morin</i>	
Verified Bytecode Verifiers.....	347
<i>Tobias Nipkow</i>	
Higher-Order Abstract Syntax with Induction in Isabelle/HOL: Formalizing the π -Calculus and Mechanizing the Theory of Contexts	364
<i>Christine Röckl, Daniel Hirschkoff, and Stefan Berghofer</i>	
Decidability of Weak Bisimilarity for a Subset of Basic Parallel Processes ..	379
<i>Colin Stirling</i>	
An Axiomatic Semantics for the Synchronous Language <i>Gentzen</i>	394
<i>Simone Tini</i>	
Tool Presentation	
MARRELLA and the Verification of an Embedded System	409
<i>Dominique Ambroise, Patrick Augé, Kamel Bouchefra, and Brigitte Rozoy</i>	
Author Index	413