

Table of Contents

Invited Talks

An Effect System for Algebraic Effects and Handlers	1
<i>Andrej Bauer and Matija Pretnar</i>	
Automata and Algebras for Infinite Words and Trees	17
<i>Mikolaj Bojańczyk</i>	
Positive Inductive-Recursive Definitions	19
<i>Neil Ghani, Lorenzo Malatesta, and Fredrik Nordvall Forsberg</i>	
Coalgebraic Up-to Techniques	34
<i>Damien Pous</i>	

Contributed Papers

Exploiting Algebraic Laws to Improve Mechanized Axiomatizations	36
<i>Luca Aceto, Eugen-Ioan Goriac, Anna Ingolfsdottir, Mohammad Reza Mousavi, and Michel A. Reniers</i>	
Positive Fragments of Coalgebraic Logics	51
<i>Adriana Balan, Alexander Kurz, and Jiří Velebil</i>	
Many-Valued Relation Lifting and Moss' Coalgebraic Logic	66
<i>Marta Bílková and Matěj Dostál</i>	
Saturated Semantics for Coalgebraic Logic Programming	80
<i>Filippo Bonchi and Fabio Zanasi</i>	
Presenting Distributive Laws	95
<i>Marcello M. Bonsangue, Helle Hvid Hansen, Alexander Kurz, and Jurriaan Rot</i>	
Interaction and Observation: Categorical Semantics of Reactive Systems Trough Dialgebras	110
<i>Vincenzo Ciancia</i>	
Homomorphisms of Coalgebras from Predicate Liftings	126
<i>Sebastian Enqvist</i>	
From Kleisli Categories to Commutative C^* -Algebras: Probabilistic Gelfand Duality	141
<i>Robert Furber and Bart Jacobs</i>	

Trace Semantics via Generic Observations	158
<i>Sergey Goncharov</i>	
Full Abstraction for Fair Testing in CCS	175
<i>Tom Hirschowitz</i>	
A Simple Case of Rationality of Escalation	191
<i>Pierre Lescanne</i>	
Coalgebras with Symmetries and Modelling Quantum Systems	205
<i>Daniel Marsden</i>	
From Operational Chu Duality to Coalgebraic Quantum Symmetry	220
<i>Yoshihiro Maruyama</i>	
Noninterfering Schedulers: When Possibilistic Noninterference Implies Probabilistic Noninterference	236
<i>Andrei Popescu, Johannes Hölzl, and Tobias Nipkow</i>	
Simulations and Bisimulations for Coalgebraic Modal Logics	253
<i>Daniel Gorín and Lutz Schröder</i>	
A Coalgebraic View of ε -Transitions	267
<i>Alexandra Silva and Bram Westerbaan</i>	
Nets, Relations and Linking Diagrams	282
<i>Paweł Sobociński</i>	
A Logic-Programming Semantics of Services	299
<i>Ionuț Țuțu and José Luiz Fiadeiro</i>	
CALCO-Tools Workshop	
Preface to CALCO-Tools	314
<i>Lutz Schröder</i>	
Checking Conservativity with HETS	315
<i>Mihai Codescu, Till Mossakowski, and Christian Maeder</i>	
The HI-Maude Tool	322
<i>Muhammad Fadlisyah and Peter Csaba Ölveczky</i>	
Constructor-Based Inductive Theorem Prover	328
<i>Daniel Găină, Min Zhang, Yuki Chiba, and Yasuhito Arimoto</i>	
A Timed CTL Model Checker for Real-Time Maude	334
<i>Daniela Lepri, Erika Ábrahám, and Peter Csaba Ölveczky</i>	
Hybridisation at Work	340
<i>Renato Neves, Alexandre Madeira, Manuel A. Martins, and Luís S. Barbosa</i>	

Penrose: Putting Compositionality to Work for Petri Net Reachability	346
<i>Pawel Sobociński and Owen Stephens</i>	
QStream: A Suite of Streams	353
<i>Joost Winter</i>	
Author Index	359