

Table of Contents

Invited Talks

Implementing Algebraic Dynamic Programming in the Functional and the Imperative Programming Paradigm	1
<i>Robert Giegerich, Peter Steffen</i>	
Some Results in Dynamic Model Theory	21
<i>Dexter Kozen</i>	
Mathematics in Computer Science Curricula	22
<i>Jeannette M. Wing</i>	

Contributed Papers

Logical Relations and Galois Connections	23
<i>Kevin Backhouse, Roland Backhouse</i>	
Transformational Derivation of Greedy Network Algorithms from Descriptive Specifications	40
<i>Juan Eduardo Durán</i>	
Fine Control of Demand in Haskell	68
<i>William Harrison, Tim Sheard, James Hook</i>	
Reasoning about Timeouts	94
<i>Ian J. Hayes</i>	
Eternity Variables to Simulate Specifications	117
<i>Wim H. Hesselink</i>	
Constructing Tournament Representations: An Exercise in Pointwise Relational Programming	131
<i>Ralf Hinze</i>	
Type-Indexed Data Types	148
<i>Ralf Hinze, Johan Jeuring, Andres Löh</i>	
Verification of Java's AbstractCollection Class: A Case Study	175
<i>Marieke Huisman</i>	
Solving Regular Path Queries	195
<i>Yanhong A. Liu, Fuxiang Yu</i>	
Inverting Functions as Folds	209
<i>Shin-Cheng Mu, Richard Bird</i>	

From Kleene Algebra to Refinement Algebra 233
Joakim von Wright

Author Index 263