

Table of Contents

Industrial Functional Programming	1
<i>John Launchbury</i>	
Certified Development Tools Implementation in Objective Caml	2
<i>Bruno Pagano, Olivier Andrieu, Benjamin Canou, Emmanuel Chailloux, Jean-Louis Colaço, Thomas Moniot, and Philippe Wang</i>	
Automatic Coding Rule Conformance Checking Using Logic Programming	18
<i>Guillem Marpons, Julio Mariño, Manuel Carro, Ángel Herranz, Juan José Moreno-Navarro, and Lars-Åke Fredlund</i>	
Comprehension and Dependency Analysis of Aspect-Oriented Programs Through Declarative Reasoning	35
<i>Laleh Mousavi Eshkevari, Venera Arnaoudova, and Constantinos Constantinides</i>	
Efficient Reasoning for Nogoods in Constraint Solvers with BDDs	53
<i>Sathiamoorthy Subbarayan</i>	
Flexible, Rule-Based Constraint Model Linearisation	68
<i>Sebastian Brand, Gregory J. Duck, Jakob Puchinger, and Peter J. Stuckey</i>	
The Role of Abduction in Declarative Authorization Policies	84
<i>Moritz Y. Becker and Sebastian Nanz</i>	
Unification of Arrays in Spreadsheets with Logic Programming	100
<i>Philip T. Cox and Patrick Nicholson</i>	
Specialising Simulator Generators for High-Performance Monte-Carlo Methods	116
<i>Gabriele Keller, Hugh Chaffey-Millar, Manuel M.T. Chakravarty, Don Stewart, and Christopher Barner-Kowollik</i>	
A Generic Programming Toolkit for PADS/ML: First-Class Upgrades for Third-Party Developers	133
<i>Mary Fernández, Kathleen Fisher, J. Nathan Foster, Michael Greenberg, and Yitzhak Mandelbaum</i>	
Matchete: Paths Through the Pattern Matching Jungle	150
<i>Martin Hirzel, Nathaniel Nystrom, Bard Bloom, and Jan Vitek</i>	

Parser Combinators for Ambiguous Left-Recursive Grammars	167
<i>Richard A. Frost, Rahmatullah Hafiz, and Paul Callaghan</i>	
DCGs + Memoing = Packrat Parsing but Is It Worth It?	182
<i>Ralph Becket and Zoltan Somogyi</i>	
An Improved Continuation Call-Based Implementation of Tabling	197
<i>Pablo Chico de Guzmán, Manuel Carro, Manuel V. Hermenegildo, Cláudio Silva, and Ricardo Rocha</i>	
Scheduling Light-Weight Parallelism in ArTCOP	214
<i>Jost Berthold, Abyd Al Zain, and Hans-Wolfgang Loidl</i>	
Towards a High-Level Implementation of Execution Primitives for Unrestricted, Independent And-Parallelism	230
<i>Amadeo Casas, Manuel Carro, and Manuel V. Hermenegildo</i>	
Hierarchical Master-Worker Skeletons	248
<i>Jost Berthold, Mischa Dieterle, Rita Loogen, and Steffen Priebe</i>	
High-Level Multi-threading Programming in Logtalk	265
<i>Paulo Moura, Paul Crocker, and Paulo Nunes</i>	
Switched-On Yampa: Declarative Programming of Modular Synthesizers	282
<i>George Giorgidze and Henrik Nilsson</i>	
Model-Based Testing of Thin-Client Web Applications and Navigation Input	299
<i>Pieter Koopman, Peter Achten, and Rinus Plasmeijer</i>	
High-Level Database Programming in Curry	316
<i>Bernd Braßel, Michael Hanus, and Marion Müller</i>	
Author Index	333