

Table of Contents

Invited Talks

Building the World from First Principles: Declarative Machine Descriptions and Compiler Construction	1
<i>Norman Ramsey</i>	
Code Compression	5
<i>Saumya Debray</i>	

Papers

Functional Framework for Sound Synthesis	7
<i>Jerzy Karczmarczuk</i>	
Specializing Narrowing for Timetable Generation: A Case Study	22
<i>Nadia Brauner, Rachid Echahed, Gerd Finke, Hanns Gregor, and Frederic Prost</i>	
Character-Based Cladistics and Answer Set Programming	37
<i>Daniel R. Brooks, Esra Erdem, James W. Minett, and Donald Ringe</i>	
Role-Based Declarative Synchronization for Reconfigurable Systems	52
<i>Vlad Tanasescu and Paweł T. Wojciechowski</i>	
Towards a More Practical Hybrid Probabilistic Logic Programming Framework	67
<i>Emad Saad and Enrico Pontelli</i>	
Safe Programming with Pointers Through Stateful Views	83
<i>Dengping Zhu and Hongwei Xi</i>	
Towards Provably Correct Code Generation via Horn Logical Continuation Semantics	98
<i>Qian Wang, Gopal Gupta, and Michael Leuschel</i>	
A Provably Correct Compiler for Efficient Model Checking of Mobile Processes	113
<i>Ping Yang, Yifei Dong, C.R. Ramakrishnan, and Scott A. Smolka</i>	
An Ordered Logic Program Solver	128
<i>Davy Van Nieuwenborgh, Stijn Heymans, and Dirk Vermeir</i>	
Improving Memory Usage in the BEAM	143
<i>Ricardo Lopes and Vítor Santos Costa</i>	

Solving Constraints on Sets of Spatial Objects	158
<i>Jesús M. Almendros-Jiménez and Antonio Corral</i>	
Discovery of Minimal Unsatisfiable Subsets of Constraints	
Using Hitting Set Dualization	174
<i>James Bailey and Peter J. Stuckey</i>	
Solving Collaborative Fuzzy Agents Problems with CLP(\mathcal{FD})	187
<i>Susana Munoz-Hernandez and Jose Manuel Gomez-Perez</i>	
Improved Fusion for Optimizing Generics	203
<i>Artem Alimarine and Sjaak Smetsers</i>	
The Program Inverter LRinv and Its Structure	219
<i>Masahiko Kawabe and Robert Glück</i>	
A Full Pattern-Based Paradigm for XML Query Processing	235
<i>Véronique Benzaken, Giuseppe Castagna, and Cédric Miachon</i>	
Type Class Directives	253
<i>Bastiaan Heeren and Jurriaan Hage</i>	
Author Index	269



<http://www.springer.com/978-3-540-24362-5>

Practical Aspects of Declarative Languages
7th International Symposium, PADL 2005, Long Beach,
CA, USA, January 10-11, 2005, Proceedings
Hermenegildo, M.; Cabeza, D. (Eds.)
2005, VIII, 272 p., Softcover
ISBN: 978-3-540-24362-5