

Contents

Semantics of Constraint Logic Programs with Bounded Quantifiers	1
<i>Martin Argenius and Andrei Voronkov</i>	
Translating a Modal Language with Embedded Implication into Horn Clause Logic	19
<i>Matteo Baldoni, Laura Giordano and Alberto Martelli</i>	
Pruning the Search Space of Logic Programs	35
<i>Antonio Brogi and Cosimo Guarino</i>	
A Significant Extension of Logic Programming by Adapting Model Building Rules	51
<i>Ricardo Caferra and Nicolas Peltier</i>	
Efficient Resource Management for Linear Logic Proof Search	67
<i>Iliano Cervesato, Joshua S. Hodos and Frank Pfenning</i>	
A Logic Language Based on GAMMA-like Multiset Rewriting	83
<i>Paolo Ciancarini, Daniela Fogli and Mauro Gaspari</i>	
Default Negated Conclusions: why not ?	103
<i>Carlos Viegas Damásio and Luís Moniz Pereira</i>	
Handling Equality in Logic Programming via Basic Folding	119
<i>Anatoli Degtyarev and Andrei Voronkov</i>	
An Abstract Machine for Reasoning about Situations, Actions, and Causality	137
<i>Kerstin Eder, Steffen Hölldobler and Michael Thielscher</i>	
On the Computational Complexity of Propositional Logic Programs with Nested Implications	153
<i>Jörg Hudelmaier</i>	
Proof-theory for Extensions of Logic Programming	161
<i>Catholijn M. Jonker</i>	
A Fibrational Semantics for Logic Programs	177
<i>Yoshiki Kinoshita and A. John Power</i>	
Higher Order Babel: Language and Implementation	193
<i>Herbert Kuchen and Josef Anastasiadis</i>	

A New Framework for Declarative Programming: Categorical Perspectives (Invited paper)	209
<i>James Lipton , Stacy E. Finkelstein and Peter Freyd</i>	
Extending Constructive Negation for Partial Functions in Lazy Functional-logic Languages	213
<i>Juan José Moreno-Navarro</i>	
Super Logic Programs and Negation as Belief (Invited paper).....	229
<i>Teodor C. Przymusiński</i>	
Total Correctness of Logic Programs: A Formal Approach	237
<i>Robert F. Stärk</i>	
A Declarative Semantics for the Prolog Cut Operator (Invited paper).....	255
<i>Karl Stroetmann and Thomas Glaß</i>	
A Definitional Approach to Functional Logic Programming	273
<i>Olof Torgersson</i>	
Soundness and Completeness of Non-classical Extended SLD-resolution ...	289
<i>Peter Vojtáš and Leonard Paulík</i>	
Some Postulates for Nonmonotonic Theory Revision Applied to Logic Programming	303
<i>Cees Witteveen and Wiebe van der Hoek</i>	