

Table of Contents

I Invited Paper

ILP: Just Do It	3
<i>David Page</i>	

II Contributed Papers

A New Algorithm for Learning Range Restricted Horn Expressions	21
<i>Marta Arias, Roni Khardon</i>	
A Refinement Operator for Description Logics	40
<i>Liviu Badea, Shan-Hwei Nienhuys-Cheng</i>	
Executing Query Packs in ILP	60
<i>Hendrik Blockeel, Luc Dehaspe, Bart Demoen, Gerda Janssens, Jan Ramon, Henk Vandecasteele</i>	
A Logical Database Mining Query Language	78
<i>Luc De Raedt</i>	
Induction of Recursive Theories in the Normal ILP Setting: Issues and Solutions	93
<i>Floriana Esposito, Donato Malerba, Francesca A. Lisi</i>	
Extending K-Means Clustering to First-Order Representations	112
<i>Mathias Kirsten, Stefan Wrobel</i>	
Theory Completion Using Inverse Entailment	130
<i>Stephen H. Muggleton, Christopher H. Bryant</i>	
Solving Selection Problems Using Preference Relation Based on Bayesian Learning	147
<i>Tomofumi Nakano, Nobuhiro Inuzuka</i>	
Concurrent Execution of Optimal Hypothesis Search for Inverse Entailment	165
<i>Hayato Ohwada, Hiroyuki Nishiyama, Fumio Mizoguchi</i>	
Using ILP to Improve Planning in Hierarchical Reinforcement Learning ...	174
<i>Mark Reid, Malcolm Ryan</i>	

Towards Learning in CARIN- \mathcal{ALN} 191
Céline Rouveirol, Véronique Ventos

Inverse Entailment in Nonmonotonic Logic Programs 209
Chiaki Sakama

A Note on Two Simple Transformations for Improving the Efficiency of an
ILP System 225
Vítor Santos Costa, Ashwin Srinivasan, Rui Camacho

Searching the Subsumption Lattice by a Genetic Algorithm 243
Alireza Tamaddoni-Nezhad, Stephen H. Muggleton

New Conditions for the Existence of Least Generalizations under Relative
Subsumption 253
Akihiro Yamamoto

Author Index 265