

Table of Contents

Invited Contributions and Surveys

Interval Constraints: Results and Perspectives	1
<i>Frédéric Benhamou, Laurent Granvilliers, and Frédéric Goualard</i> (<i>Université de Nantes</i>)	
A Constraint-Based Language for Virtual Agents	17
<i>Philippe Codognot (University of Paris 6)</i>	
Constraint (Logic) Programming: A Survey on Research and Applications.	40
<i>Francesca Rossi (University of Padova)</i>	
OPL Script: Composing and Controlling Models	75
<i>Pascal Van Hentenryck (Université Catholique de Louvain)</i> <i>and L. Michel (ILOG)</i>	

Constraint Propagation and Manipulation

Some Remarks on Boolean Constraint Propagation	91
<i>Krzysztof R. Apt (CWI)</i>	
Abstracting Soft Constraints	108
<i>S. Bistarelli (University of Pisa), Philippe Codognot</i> (<i>University of Paris 6</i>), <i>Y. Georget (INRIA Roquencourt),</i> <i>and Francesca Rossi (University of Padova)</i>	
Decomposable Constraints	134
<i>Ian Gent (University of St. Andrews), Kostas Stergiou</i> (<i>University of Strathclyde</i>), <i>and Toby Walsh (University of York)</i>	
Generating Propagation Rules for Finite Domains: A Mixed Approach	150
<i>Christophe Ringeissen (LORIA-INRIA) and Eric Monfroy (CWI)</i>	
Ways of Maintaining Arc Consistency in Search Using the Cartesian Representation	173
<i>Marius-C. Silaghi, Djamila Sam-Haroud, and Boi Faltings</i> (<i>Swiss Institute of Technology</i>)	

Constraint Programming

Combining Constraint Logic Programming Techniques for Solving Linear Problems	188
<i>Reem Bahgat and Samir E. Abdel-Rahman (Cairo University)</i>	

Quantitative Observables and Averages in Probabilistic Constraint Programming	212
<i>Alessandra Di Pierro (University of Pisa) and Herbert Wiklicky (Imperial College)</i>	
Dynamic Constraint Models for Planning and Scheduling Problems	237
<i>Roman Barták (Charles University)</i>	
A Finite Domain CLP Solver on Top of Mercury	256
<i>Henk Vandecasteele, Bart Demoen, and Gerda Janssens (K. U. Leuven)</i>	
Rule-Based Constraint Programming	
Rule Based Programming with Constraints and Strategies	274
<i>Hubert Dubois and Hélène Kirchner (LORIA-UHP and CNRS)</i>	
Proving Termination of Constraint Solver Programs	298
<i>Thom Frühwirth (LMU)</i>	
Projection in Adaptive Constraint Handling	318
<i>Armin Wolf (GMD)</i>	
Author Index	339

New Trends in Constraints

Joint ERCIM/Compulog Net Workshop Paphos, Cyprus,

October 25-27, 1999 Selected Papers

Apt, K.; Kakas, A.; Monfroy, E.; Rossi, F. (Eds.)

2000, VIII, 340 p., Softcover

ISBN: 978-3-540-67885-4