

## Workshop Schedule

08:55 - 09:00	_____ Welcome _____	
09:00 - 09:25	Combining Branch & Bound and SBDD to solve Soft CSPs <i>Stefano Bistarelli and Barry O'Sullivan</i> .....	9
09:25 - 09:50	A Note on the Compatibility of Static Symmetry Breaking Constraints and Dynamic Symmetry Breaking Methods <i>Warwick Harvey</i> .....	42
09:50 - 10:15	Breaking Symmetries in All Different Problems <i>Jean-François Puget</i> .....	71
10:15 - 10:40	Symmetry-Breaking and Local Search: A Case Study <i>Andrea Roli</i> .....	88
10:40 - 11:05	_____ Coffee break _____	
11:05 - 12:05	<b>Invited Talk</b> Symmetry in Integer Programming <i>François Margot</i> .....	1
12:05 - 12:30	Comparing the Use of Symmetry in Constraint Processing and Model Checking <i>Alastair Donaldson, Alice Miller and Muffy Calder</i> .....	18
12:30 - 14:00	_____ Lunch break _____	
14:00 - 14:25	On the Extraction of Disjunctive Landmarks from Planning Problems via Symmetry Reduction <i>Peter Gregory, Stephen Cresswell, Derek Long and Julie Porteous</i> .....	34
14:25 - 15:25	<b>Panel Session</b> Symmetry in related disciplines	
15:25 - 15:50	_____ Coffee break _____	
15:50 - 16:15	Approaches to Conditional Symmetry Breaking <i>Ian P. Gent, Iain McDonald, Ian Miguel and Barbara M. Smith</i> .....	26
16:15 - 16:40	Conditional Interchangeability and Substitutability <i>Yuanlin Zhang and Eugene C. Freuder</i> .....	95
16:40 - 17:05	Exploiting Dominance in Three Symmetric Problems <i>Steven Prestwich and J. Christopher Beck</i> .....	63
17:05 - 17:30	Automatically Exploiting Symmetries in CP <i>Arathi Ramani and Igor L. Markov</i> .....	79
	_____ Close _____	

## Contents

<b>Invited Talk: Symmetry in Integer Programming</b> <i>François Margot</i> .....	1
Symmetry in Not-Equals Binary Constraint Networks <i>Belaid Benhamou</i> .....	2
Combining Branch & Bound and SBDD to solve Soft CSPs <i>Stefano Bistarelli and Barry O'Sullivan</i> .....	9
Comparing the Use of Symmetry in Constraint Processing and Model Checking <i>Alastair Donaldson, Alice Miller and Muffy Calder</i> .....	18
Approaches to Conditional Symmetry Breaking <i>Ian P. Gent, Iain McDonald, Ian Miguel and Barbara M. Smith</i> .....	26
On the Extraction of Disjunctive Landmarks from Planning Problems via Symmetry Reduction <i>Peter Gregory, Stephen Cresswell, Derek Long and Julie Porteous</i> .....	34
A Note on the Compatibility of Static Symmetry Breaking Constraints and Dynamic Symmetry Breaking Methods <i>Warwick Harvey</i> .....	42
Breaking Weak Symmetries <i>Roland Martin and Karsten Weihe</i> .....	48
Combining SBDS and SBDD <i>Karen Petrie</i> .....	55
Exploiting Dominance in Three Symmetric Problems <i>Steven Prestwich and J. Christopher Beck</i> .....	63
Breaking Symmetries in All Different Problems <i>Jean-François Puget</i> .....	71
Automatically Exploiting Symmetries in CP <i>Arathi Ramani and Igor L. Markov</i> .....	79
Symmetry-Breaking and Local Search: A Case Study <i>Andrea Roli</i> .....	88
Conditional Interchangeability and Substitutability <i>Yuanlin Zhang and Eugene C. Freuder</i> .....	95