

Program Overview

Tuesday 7 th September		Wednesday 8 th September		Thursday 9 th September		Friday 10 th September	
09:00	Invited talk Edward Tsang	09:00	Invited talk Robert Nieuwenhuis	09:00	ACP Meeting and Service Award	09:00	Panel Discussion Standardisation in CP
10:00	Distinguished Paper Ross Willard	10:00	Distinguished Paper S. Asaf et al	10:00	ACP Doctoral Award	10:20	MiniZinc Challenge
10:35	Tea Break	10:35	Introduction to CP 2011	10:35	Tea Break	10:35	Tea Break
11:00	Invited talk Moshe Vardi	10:40	Tea Break	11:00	Doctoral Program Tutorial	11:00	Applications Track (4 papers)
12:00	Distinguished Paper S. Ermon, C. Gomes and B. Selman	11:00	Research Track (4 papers)	11:50	Doctoral Program Tutorial	11:00	Research Track (4 papers)
12:35	Lunch	12:40	Lunch	12:40	Lunch	12:40	Lunch
14:00	Applications Track (4 papers)	14:00	Doctoral Program Posters	14:00	Research Track (4 papers)	14:00	Applications Track (4 papers)
	Research Track (4 papers)	15:00	End of Day	14:00	Research Track (4 papers)	14:00	Split Session (2 applications) (2 Research)
15:40	Tea Break		Social Program	15:40	Tea Break	15:40	Tea and Finish
16:10	Tutorial Distributed CSP Amnon Meisels			16:10	Tutorial Backdoors in CSPs Barry O'Sullivan		
	Tutorial The Valued CSP Martin Cooper et al			16:10	Tutorial Parallel SAT Youssef Hamadi		
18:10	End of Day			18:10	End of Day		
18:20	Opening Reception						
20:00	Doctoral Program Dinner	20:00	Conference Dinner	20:00	Program Committee Dinner		

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09:00	Invited Talk
	Constraint-directed Search in Computational Finance and Economics Edward Tsang
10:00	Distinguished paper (Research Track)
	Testing expressibility is hard Ross Willard
10:35	Tea Break
11:00	Invited Talk
	Constraints, Graphs, Algebra, Logic, and Complexity Moshe Vardi
12:00	Distinguished Paper (Student Paper)
	Computing the Density of States of Boolean Formulas Stefano Ermon, Carla Gomes, Bart Selman
12:35	Lunch
14:00	Parallel Sessions
	Session A Application Track
	14:00 A Safe and Flexible CP-based Approach for Velocity Tuning Problems . Michaël Soullignac, Rueher Michel, Patrick Taillibert
	14:25 Constraint Programming for Mining n-ary Patterns Mehdi Khiari, Patrice Boizumault, Bruno Cremilleux
	14:50 Testing Continuous Double Auctions with a Constraint-based Oracle Christian Schulte, Roberto Castañeda Lozano, Lars Wahlberg
	15:15 Global Constraints on Feature Models Ahmet Serkan Karata, , Halit Oğuztüzün, Ali Doğru
	Session B Research Track
	14:00 A Box-Consistency Contractor Based on Extremal Functions Gilles Trombettoni, Yves Papegay, Gilles Chabert, Odile Pourtallier
	14:25 Improving the Performance of maxRPC Thanasis Balafoutis, Anastasia Paparrizou, Kostas Stergiou, Toby Walsh
	14:50 Exponential Propagation for Set Variables Justin Yip, Pascal Van Hentenryck
	15:15 Domain Consistency with Forbidden Values Yves Deville, Pascal Van Hentenryck
15:40	Tea Break
16:10	Parallel Sessions
	Session A Tutorial
	16:10 Distributed Search by Constrained Agents Amnon Meisels
	Session B Tutorial
	16:10 Valued Constraint Satisfaction Problems Martin Cooper, Simon de Givry, and Peter Jeavons
18:10	End of Day
18:20	Opening Reception
20:00	Doctoral Program Dinner

Wednesday 8 th September	
09:00	Invited talk Robert Nieuwenhuis
10:00	Distinguished Paper S. Asaf et al
10:35	Introduction to CP 2011 Stefano Bistarelli
10:40	Tea Break
11:00	Research Track (4 papers) Research Track (4 papers)
12:40	Lunch
14:00	Doctoral Program Posters
15:00	End of Day
	Social Program
20:00	Conference Dinner

09:00	Invited Talk
	SAT Modulo Theories: getting the best of SAT and global constraint filtering
	Robert Nieuwenhuis
10:00	Distinguished paper (Applications Track)
	Applying Constraint Programming to Identification and Assignment of Service Professionals
	Sigal Asaf, Haggai Eran, Yossi Richter, Daniel P. Connors, Donna L.Gresh, Julio Ortega, Michael J Mcinnis
10:35	Tea Break
11:00	Parallel Sessions
	Session A Research Track
	11:00 Making Adaptive an Interval Constraint Propagation Algorithm Exploiting Monotonicity
	Ignacio Araya, Gilles Trombettoni, Bertrand Neveu
	11:25 A Propagator for Maximum Weight String Matching with Arbitrary Pairwise Dependencies
	Alessandro Dal Palu, Mathias Möhl, Sebastian Will
	11:50 Generating Special-purpose Stateless Propagators for Arbitrary Constraints
	Ian Gent, Chris Jefferson, Ian Miguel, Peter Nightingale
	12:15 Propagating the Bin Packing Constraint using Linear Programming
	Hadrien Cambazard, Barry O'Sullivan
	Session B Research Track
	11:00 Spatial, Temporal, and Hybrid Decompositions For Large-Scale Vehicle Routing with TimeWindows
	Russell Bent, Pascal Van Hentenryck
	11:25 On Testing Constraint Programs
	Nadjib Lazaar, Arnaud Gotlieb, Yahia Lebbah
	11:50 A Systematic Approach to MDD-Based Constraint Programming
	Samid Hoda, Willem-Jan van Hoeve, John Hooker
	12:15 Constraint Based Scheduling to deal with Uncertain Durations and Self-Timed Execution
	Michela Milano, Michele Lombardi
12:40	Lunch
14:00	Doctoral Program Posters
15:00	End of Day
	Social Program
20:00	Conference Dinner

Thursday 9 th September	
09:00	ACP Meeting. ACP Distinguished Service Award: Francesca Rossi.
10:00	ACP Doctoral Award
10:35	Tea Break
11:00	Doctoral Program Tutorial
11:50	Doctoral Program Tutorial
12:40	Lunch
14:00	Research Track (4 papers)
15:40	Tea Break
16:10	Tutorial Backdoors in CSPs Barry O'Sullivan
16:10	Tutorial Parallel SAT Youssef Hamadi
18:10	End of Day
20:00	Program Committee Dinner

09:00	ACP General Meeting and Service Award Presentation	
10:10	aper (ACP Doctoral Award Presentation)	
10:35	Tea Break	
11:00	Parallel Sessions	
	Session A	Doctoral Program Tutorials
		11:00 Propagation
		Christian Bessiere
		11:50 Modelling
		Barbara Smith
	Session B	Research Track
		11:00 Value-Ordering Heuristics: Search Performance vs. Solution Diversity
		Yevgeny Schreiber
		11:25 Heuristics for Planning with SAT
		Jussi Rintanen
		11:50 Sweeping with Continuous Domains
		Gilles Chabert, Nicolas Beldiceanu
		12:15 Towards Parallel Non Serial Dynamic Programming for Solving Hard Weighted CSP
		David Allouche, Simon de Givry, Thomas Schiex
12:40	Lunch	
14:00	Parallel Sessions	
	Session A	Research Track
		14:00 Checking-up on Branch-and-Check
		Chris Beck
		14:25 A Complete Multi-Valued SAT Solver
		Siddhartha Jain, Eoin O'Mahony, Meinolf Sellmann
		14:50 Including Ordinary Differential Equations Based Constraints in the Standard CP Framework
		Alexandre Goldsztejn, Olivier Mullier, Damien Eveillard, Hiroshi Hosobe
		15:15 On The Complexity and Completeness of Static Constraints for Breaking Row and Column Symmetry
		George Katsirelos, Nina Narodytska, Toby Walsh
	Session B	Research Track
		14:00 Local consistency and SAT-solvers
		Justyna Petke, Peter Jeavons
		14:25 Exact Cover via Satisfiability: An Empirical Study
		Tommi Junttila, Petteri Kaski
		14:50 Using Learnt Clauses in Max-SAT
		Jessica Davies, Jeremy Cho, Fahiem Bacchus
		15:15 Diversification and Intensification in Parallel SAT Solving
		Long Guo, Youssef Hamadi, Said Jabbour, Lakhdar Sais
15:40	Tea Break	
16:10	Parallel Sessions	
	Session A	Tutorial
		16:10 Backdoors in CSPs
		Barry O'Sullivan
	Session B	Tutorial
		16:10 From SAT to Parallel SAT Solving
		Youssef Hamadi
18:10	End of Day	
20:00	Program Committee Dinner	

Friday 10 th September		
09:00	Panel Discussion Standardisation in CP	
10:20	MiniZinc Challenge	
10:35	Tea Break	
11:00	Applications Track (4 papers)	Research Track (4 papers)
12:35	Lunch	
14:00	Applications Track (4 papers)	Split Session (2 applications) (2 Research)
15:40	Tea and Finish	

09:00 Panel Discussion	
	Standardisation in CP
	Convenor: Jacob Feldman
10:20 CP Challenge	
	MiniZinc Challenge Results
	Peter Stuckey
10:35 Tea Break	
11:00 Parallel Sessions	
Session A	Research Track
	11:00 Database Constraints and Homomorphism Dualities
	Balder ten Cate, Phokion Kolaitis, Wang-Chiew Tan
	11:25 Structural Tractability of Enumerating CSP Solutions
	Gianluigi Greco, Francesco Scarcello
	11:50 On the containment of forbidden patterns problems
	Florent Madelaine
	12:15 The lattice structure of sets of surjective hyper-operations
	Barnaby Martin
Session B	Applications Track
	11:00 Contingency Plans for Air Traffic Management
	Karl Sundequist Blomdahl, Pierre Flener, Justin Pearson
	11:25 An Integrated Business Rules and Constraints Approach to Data Centre Capacity Management
	Roman van der Krogt, Jacob Feldman, James Little, David Stynes
	11:50 Load Balancing and Almost Symmetries for RAMBO Quorum Hosting
	Laurent Michel, Alexander Shvartsman, Elaine Sonderegger, Pascal Van Hentenryck
	12:15 Context-Sensitive Call Control using Constraints and Rules
	David Lesaint, Deepak Mehta, Barry O'Sullivan, Nic Wilson, Luis Quesada
12:40 Lunch	
14:00 Parallel Sessions	
Session A	Research Track
	14:00 Improving the floating point addition and subtraction constraints
	Bruno Marre, Claude Michel
	14:25 A New $O(n^2 \log n)$ Not-First/Not-Last Pruning Algorithm for Cumulative Resource Constraints
	Andreas Schutt, Armin Wolf
	14:50 Decomposition of the NValue Constraint
	Christian Bessiere, George Katsirelos, Nina Narodytska, Claude-Guy Quimper, Toby Walsh
	15:15 A new hybrid tractable class of soft constraint problems
	Martin C. Cooper and Stanislav Zivny
Session B	Applications Track
	14:00 An Integrated Modelling, Debugging, and Visualisation Environment for G12
	Andreas Bauer, Viorica Botea, Mark Brown, Matt Gray, Daniel Harabor, John Slaney
	14:25 An Empirical Study of Optimization for Maximizing Diffusion in Networks
	Kiyan Ahmadizadeh, Bistra Dilkina, Carla Gomes, Ashish Sabharwal
	Research Track
	14:50 A Generic Visualization Platform for CP
	Helmut Simonis, Paul Davern, Jacob Feldman, Deepak Mehta, Luis Quesada, Mats Carlsson
	15:15 Ensemble classification for constraint solver configuration
	Lars Kotthoff, Ian Miguel, Peter Nightingale
15:40	Tea and Finish