

## October 8, Monday

Time				
<b>08:00</b>	<b>Conference Registration</b>			
<b>09:00</b>	<b>Workshops and Doctoral Program</b>			
	Optimization and Smart Cities Room: Pilot	SymCon2012 Room: Leduc/Fortin	Doctoral Program Room: 410	
<b>14:00</b>	<b>Workshops and Doctoral Program</b>			
	Optimization and Smart Cities Room: Pilot	No-Good Learning and CP Room: Cullen	ModRef2012 Room: Leduc/Fortin	Doctoral Program Room: 410
<b>19:00</b>	<b>DP Dinner</b>			

## October 9, Tuesday

Time	first day	
08:00	<b>Conference Registration</b>	
09:00	<b>Welcome + Opening</b>	
09:10	<p style="text-align: center;"><b>Invited Talk</b>                      Laurent Michel                      Constraint Programming and a Usability Quest</p> <p style="text-align: center;">Chair: Pascal Van Hentenryck                      Room: Suzor-Côté</p>	
10:10	<p style="text-align: center;"><b>Best CP2012 Paper</b>                      Geoffrey Chu and Peter Stuckey.                      Systematically Identifying and Exploiting Dominance Relations</p> <p style="text-align: center;">Chair: Pascal Van Hentenryck                      Room: Suzor-Côté</p>	
10:30	<p style="text-align: center;">Coffee Break  <b>Poster Session 1</b> (12 posters)</p>	
11:10	<p style="text-align: center;"><b>Best Application Paper</b>                      Gilles Simonin, Christian Artigues, Emmanuel Hebrard and Pierre Lopez.                      Scheduling Scientific Experiments on the Rosetta/Philae Mission</p> <p style="text-align: center;">Chair: Helmut Simonis                      Room: Suzor-Côté</p>	
11:30	<p style="text-align: center;"><b>Session 1 - MD</b>                      Chair: Claude-Guy Quimper                      Room: Leduc-Fortin</p> <p>Georgiana Ifrim, Barry O'Sullivan and Helmut Simonis. Energy-Cost Forecasting for Scheduling</p> <p>Rolf Fagerberg, Christoph Flamm, Daniel Merkle and Philipp Peters. Exploring Chemistry Using SMT</p> <p>Pascal Germain, Sébastien Giguère, Jean-François Roy, Brice Zirakiza, François Laviolette and Claude-Guy Quimper. A Pseudo-Boolean Set Covering Machine (SHORT)</p> <p>Michael Morin, Anika-Pascale Papillon, Irène Abi-Zeid, François Laviolette and Claude-Guy Quimper. Constraint Programming for Probabilistic Path Planning Problems: An Optimal Search Path Example</p>	<p style="text-align: center;"><b>Session 2 - GLOBAL CST</b>                      Chair: Willem Jan van Hoeve                      Room: Suzor-Côté</p> <p>Arnaud Letort, Nicolas Beldiceanu and Mats Carlsson. A Scalable Sweep Algorithm for the cumulative Constraint</p> <p>Jean-Baptiste Mairy, Pascal Van Hentenryck and Yves Deville. An Optimal Filtering Algorithm for Table Constraints</p> <p>Thierry Petit. FOCUS: A Constraint for Concentrating High Costs</p> <p>Kenil Cheng, Wei Xia and Roland Yap. Space-Time Tradeoffs for the Regular Constraint</p>

<b>12:50</b>	<b>Poster presentation</b> (2 min each) of position papers	
<b>13:00</b>	Lunch Break	
<b>14.20</b>	<b>Tutorial 1</b> Pascal Van Hentenryck Optimization for Disaster Management Chair: Alan Frisch Room: Suzor-Côté	
<b>15:50</b>	<b>Session 1: Distributed CSP/COP</b> Chair: Justin Person Room: Suzor-Côté  Christian Bessiere, Patricia Gutierrez and Pedro Meseguer. Including Soft Global Constraints in DCOPs  Emma Rollon and Javier Larrosa. Improved Bounded Max-Sum for Distributed Constraint Optimization (SHORT)  Vincent Armant, Laurent Simon and Philippe Dague. Distributed tree decomposition with privacy	<b>Session 2 QCSP-QBF</b> Chair: Peter Stuckey Room: Leduc-Fortin Florent Madelaine and Barnaby Martin. Containment, Equivalence and Coreness from CSP to QCSP and beyond.  Allen Van Gelder. Contributions to the Theory of Practical Quantified Boolean Formula Solving
<b>16:40</b>	Coffee Break <b>Poster Session 2</b> (12 Posters)	
<b>17:20</b>	<b>Session 1 - Numerical CSPs and Symmetries</b> Chair: Christophe Jermann Room: Suzor-Côté  Laurent Granvilliers. Adaptive Bisection of Numerical CSPs (SHORT)  Mohammed Said Belaid, Claude Michel and Michel Rueher. Boosting local consistency algorithms over floating-point numbers  Philippe Vismara and Remi Coletta. Breaking variable symmetry in almost injective problems (SHORT)	<b>Session 2 - Solvers</b> Chair: Christian Schulte Room: Leduc-Fortin  Jean-Noël Monette, Pierre Flener and Justin Pearson. Towards Solver-Independent Propagators  Kathryn Francis, Sebastian Brand and Peter Stuckey. Optimisation Modelling for Software Developers  Xi Yun and Susan Epstein. A Hybrid Paradigm for Adaptive Parallel Search  Geoffrey Chu and Peter Stuckey. Inter-problem Nogood Learning in Constraint Programming (SHORT)

	Jimmy Lee and Jingying Li. Increasing Symmetry Breaking by Preserving Target Symmetries	
<b>18:30</b>	<b>DP Poster and Welcome Cocktail</b>	

### October 10, Wednesday

Time	second day	
<b>09:00</b>	<b>Invited talk</b> Miguel Anjos Optimization Challenges in Smart Grid Operations Chair: Louis-Martin Rousseau Room: Suzor-Côté	
<b>10:00</b>	<b>Honorable Mentions</b> Chair: Michel Rueher Room: Suzor-Côté  Mohamed Siala, Emmanuel Hebrard and Marie-José Huguet. An Optimal Arc Consistency Algorithm for a Chain of Atmost Constraints with Cardinality  Hannes Uppman. Max-Sur-CSP on Two Elements	
<b>10:40</b>	Coffee Break <b>Poster Session 3 (12 Posters)</b>	
<b>11:20</b>	<b>Session 1 - MD</b> Chair: Ivan Dotu Room: Suzor-Côté  Santiago Ontañon and Pedro Meseguer. Feature Term Operations using Constraint Programming with Basic Variable Symmetry  Stéphane Caro, Damien Chablat, Alexandre Goldsztejn, Daisuke Ishii and Christophe Jermann. A Branch and Prune Algorithm for the Computation of Generalized Aspects of Parallel Robots  Jérôme Lang, Jérôme Mengin and Lirong Xia. Aggregating Conditionally Lexicographic Preferences on Multi-Issue Domains	<b>Session 2 - APPLICATIONS</b> Chair: Pierre Flener Room: Krieghoff  Roberto Castañeda Lozano, Mats Carlsson, Frej Drejhammar and Christian Schulte. Constraint-based Register Allocation and Instruction Scheduling  Thiago Serra, Gilberto Nishioka and Fernando Marcellino. The Offshore Resources Scheduling Problem: Detailing a Constraint Programming Approach  Hanyu Gu, Peter Stuckey and Mark Wallace. Maximising the Net Present Value of Large Resource-Constrained Projects  Deepak Mehta, Barry O'Sullivan and

	Alon Grubshtein and Amnon Meisels. Finding a Nash Equilibrium by Asynchronous Backtracking	Helmut Simonis. Comparing Solution Methods for the Machine Reassignment Problem
<b>12:40</b>	Lunch Break	
<b>14.00</b>	<b>Tutorial 2</b> Michel Sebag Monte Carlo tree search Chair: Narendra Jussien Room: Suzor-Côté	
<b>15:30</b>	<b>Session 1 Theory</b> Chair: Christian Bessiere Room: Suzor-Côté  Michał Wrona. Syntactically Characterizing Local-to-Global Consistency in ORD-Horn  Martin Cooper, Guillaume Escamocher and Stanislav Zivny. A Characterisation of the Complexity of Forbidding Subproblems in Binary Max-CSP (SHORT)  Matti Järvisalo, Arie Matsliah, Jakob Nordström and Stanislav Zivny. Relating Proof Complexity Measures and Practical Hardness of SAT  Robert Woodward, Shant Karakashian, Berthe Y Choueiry and Christian Bessiere. Revisiting Neighborhood Inverse Consistency on Binary CSPs	<b>Session 2 LD/MAXSAT</b> Chair: George Katsirelos Room: Krieghoff  Ignasi Abio and Peter Stuckey. Conflict Directed Lazy Decomposition  Carlos Ansótegui, Maria Luisa Bonet, Joel Gabàs and Jordi Levy. Improving SAT-Based Weighted MaxSAT Solvers  Chu-Min Li, Zhu Zhu, Felip Manyà and Josep Argelich. A New Encoding from MinSAT into MaxSAT (SHORT)  Siert Wieringa. Understanding, improving and parallelizing MUS finding using model rotation
<b>16:40</b>	Coffee Break <b>Poster Session 4</b> (14 Posters)	
<b>17:30</b>	<b>Session 1 Hybrid and Multi-objective optimization</b> Chair: Justin Pearson Room: Suzor-Côté  Domenico Salvagnin and Toby Walsh. An hybrid MIP/CP approach for multi-activity shift scheduling  Stefano Gualandi and Federico	<b>Session 2 APPLICATION</b> Chair: Nina Narodytska Room: Krieghoff  Pierre Schaus and Jean-Charles Regin. A flow reasoning for bin-packing constraint. Application to a tank allocation problem  Faten Nabli, François Fages, Thierry

	Malucelli. Resource Constrained Shortest Paths with Super Additive Objective Functions  Tenda Okimoto, Yongjoon Joe, Toshihiro Matsui, Katsutoshi Hirayama, Atsushi Iwasaki and Makoto Yokoo. Interactive Algorithm for Multi-objective Constraint Optimization	Martinez and Sylvain Soliman. A Boolean Model for Enumerating Minimal Siphons and Traps in Petri-nets  Hadrien Cambazard and Bernard Penz. A Constraint Programming Approach for the Traveling Purchaser Problem
<b>18:30</b>	<b>ACP general assembly</b> <b>Room: Suzor-Côté</b>	
<b>20.00</b>	<b>PC Dinner</b>	

### October 11, Thursday

Time	third day	
<b>08:30</b>	<b>ACP Distinguished Service Award</b> Chair: Barry O'Sullivan Room: Suzor-Côté	
<b>09:00</b>	<b>ACP Doctoral Research Award and Presentation</b> Chair Michele Lombardi Room: Suzor-Côté	
<b>09.30</b>	<b>Invited talk</b> Barry O'Sullivan Where are the Interesting Problems?  Chair: Gene Freuder Room: Suzor-Côté	
<b>10:30</b>	Coffee break <b>Poster session 5</b> (14 posters)	
<b>11:00</b>	<b>Session 1 Global Constraints</b> Chair: Laurent Michel Room: Suzor-Côté  Laurent Michel and Pascal Van Hentenryck. Constraint Satisfaction over Bit-Vectors  Alessio Bonfietti and Michele Lombardi. The Weighted Average Constraint  Nicolas Beldiceanu and Helmut Simonis. A Model Seeker: Extracting Global Constraint Models From Positive Examples	<b>Session 2 - MD</b> Chair: Barry O'Sullivan Room: Jean-Paul-Lemieux  David Allouche, Seydou Traoré, Isabelle André, Simon de Givry, George Katsirelos, Sophie Barbe and Thomas Schiex. Computational Protein Design as a Cost Function Network Optimization Problem  Joao Guerra and Ines Lynce. Reasoning over Biological Networks using Maximum Satisfiability  Federico Campeotto, Agostino Dovier,

	George Katsirelos, Nina Narodytska and Toby Walsh. The SeqBin Constraint Revisited	Alessandro Dal Palù, Ferdinando Fioretto and Enrico Pontelli. A Filtering Technique for Fragment Assembly-based Proteins Loop Modeling with Constraints  Adreas Distler, Tom Kelsey, Lars Kotthoff, Chris Jefferson. The Semigroup of Order 10
<b>12:20</b>	Lunch Break	
<b>13:00</b>	<b>Tutorial 3</b> Willem Jan van Hoeve Constraint Programming with Decision Diagrams Chair: Alan Frisch Room: Suzor-Côté	
<b>14:30</b>	<b>EXCURSION</b>	
<b>19:00</b>	<b>Banquet</b>	

### October 12, Friday

Time	fourth day	
<b>08:30</b>	<b>Minizinc Challenge results</b> Peter Stuckey Room: Suzor-Côté	
<b>09:00</b>	<b>Doctoral Tutorial</b> Warren Powel Optimization under uncertainty Chair: Michele Lombardi Room: Suzor-Côté	
<b>10:30</b>	Coffee Break <b>Poster Session 6</b> (13 posters)	
<b>11:10</b>	<b>Session 1 Cost Funct. Networks</b> Chair Thomas Schiex Room: Suzor-Côté  Christophe Lecoutre, Olivier Roussel and Djamel Dehani. WCSP Integration of Soft Neighborhood Substitutability  Arnaud Lallouet, Jimmy H.M. Lee and Terrence W.K. Mak. Consistencies for Ultra-Weak Solutions in Minimax Weighted CSPs Using the Duality Principle  Christophe Lecoutre, Nicolas	<b>Session 2 - Temporal Reasoning</b> Chair: Chris Beck Room: Jean-Paul-Lemieux  Cédric Pralet and Gérard Verfaillie. Time-dependent Simple Temporal Networks  Weiming Liu and Sanjiang Li. Solving Minimal Constraint Networks in Qualitative Spatial and Temporal Reasoning  Alessandro Cimatti, Andrea Micheli and Marco Roveri. Solving Temporal Problems using SMT: Strong Controllability

	Paris, Olivier Roussel and Sebastien Tabary. Propagating Soft Table Constraints	
<b>12:10</b>	Lunch Break	
<b>13:40</b>	<b>Panel Based on Position papers</b> Moderator: Pascal Van Hentenryck Room: Suzor-Côté	
<b>14:45</b>	<b>CP2013 and CPAIOR 2013 Presentations</b> Room: Suzor-Côté	
<b>15:00</b>	<b>Session 1 - Multi-disciplinary techniques and benchmarking</b> Chair: Guido Tack Room: Suzor-Côté  Olivier Ponsini, Claude Michel and Michel Rueher. Refining abstract interpretation based value analysis with constraint programming techniques  Tero Laitinen, Tommi Junttila and Ilkka Niemelä. Classifying and Propagating Parity Constraints  Ignacio Castiñeiras, Milan De Cauwer and Barry O'Sullivan. Weibull-based Benchmarks for Bin Packing	<b>Session 2 - SAT</b> Chair: Toby Walsh Room: Jean-Paul-Lemieux  Anton Belov, Mikoláš Janota, Ines Lynce and Joao Marques-Silva. On Computing Minimal Equivalent Subformulas  Yuri Malitsky, Ashish Sabharwal, Horst Samulowitz and Meinolf Sellmann. Parallel SAT Solver Selection and Scheduling  George Katsirelos, Laurent Simon. Eigenvector centrality in industrial SAT instances (SHORT)  Gilles Audemard, Laurent Simon. Refining restarts strategies for SAT and UNSAT formulae (SHORT)
<b>16:00</b>	<b>CLOSING</b>	



## **Poster session 1: Tuesday October 9, 10:30**

Michał Wrona. Syntactically Characterizing Local-to-Global Consistency in ORD-Horn

Martin Cooper, Guillaume Escamocher and Stanislav Zivny. A Characterisation of the Complexity of Forbidding Subproblems in Binary Max-CSP

Matti Järvisalo, Arie Matsliah, Jakob Nordström and Stanislav Zivny. Relating Proof Complexity Measures and Practical Hardness of SAT

Robert Woodward, Shant Karakashian, Berthe Y Choueiry and Christian Bessiere. Revisiting Neighborhood Inverse Consistency on Binary CSPs

Santiago Ontañón and Pedro Meseguer. Feature Term Operations using Constraint Programming with Basic Variable Symmetry

Stéphane Caro, Damien Chablat, Alexandre Goldsztejn, Daisuke Ishii and Christophe Jermann. A Branch and Prune Algorithm for the Computation of Generalized Aspects of Parallel Robots

Jérôme Lang, Jérôme Mengin and Lirong Xia. Aggregating Conditionally Lexicographic Preferences on Multi-Issue Domains

Alon Grubshtein and Amnon Meisels. Finding a Nash Equilibrium by Asynchronous Backtracking

Jean-Noël Monette, Pierre Flener and Justin Pearson. Towards Solver-Independent Propagators

Kathryn Francis, Sebastian Brand and Peter Stuckey. Optimisation Modelling for Software Developers

Xi Yun and Susan Epstein. A Hybrid Paradigm for Adaptive Parallel Search

Geoffrey Chu and Peter Stuckey. Inter-problem Nogood Learning in Constraint Programming

## **Poster Session 2: Tuesday October 9, 16:40**

Olivier Ponsini, Claude Michel and Michel Rueher. Refining abstract interpretation based value analysis with constraint programming techniques

Tero Laitinen, Tommi Junttila and Ilkka Niemelä. Classifying and Propagating Parity Constraints

Ignacio Castiñeiras, Milan De Cauwer and Barry O'Sullivan. Weibull-based Benchmarks for Bin Packing

Christophe Lecoutre, Olivier Roussel and Djamel Dehane. WCSP Integration of Soft Neighborhood Substitutability

Arnaud Lallouet, Jimmy H.M. Lee and Terrence W.K. Mak. Consistencies for Ultra-Weak Solutions in Minimax Weighted CSPs Using the Duality Principle

Christophe Lecoutre, Nicolas Paris, Olivier Roussel and Sebastien Tabary. Propagating Soft Table Constraints

Florent Madelaine and Barnaby Martin. Containment, Equivalence and Coreness from CSP to QCSP and beyond.

Allen Van Gelder. Contributions to the Theory of Practical Quantified Boolean Formula Solving

Roberto Castañeda Lozano, Mats Carlsson, Frej Drejhammar and Christian Schulte. Constraint-based Register Allocation and Instruction Scheduling

Thiago Serra, Gilberto Nishioka and Fernando Marcellino. The Offshore Resources Scheduling Problem: Detailing a Constraint Programming Approach

Hanyu Gu, Peter Stuckey and Mark Wallace. Maximising the Net Present Value of Large Resource-Constrained Projects

Deepak Mehta, Barry O'Sullivan and Helmut Simonis. Comparing Solution Methods for the Machine Reassignment Problem

### **Poster session 3: Wednesday October 10, 10:40**

Laurent Michel and Pascal Van Hentenryck. Constraint Satisfaction over Bit-Vectors

Alessio Bonfiatti and Michele Lombardi. The Weighted Average Constraint

Nicolas Beldiceanu and Helmut Simonis. A Model Seeker: Extracting Global Constraint Models From Positive Examples

George Katsirelos, Nina Narodytska and Toby Walsh. The SeqBin Constraint Revisited

Arnaud Letort, Nicolas Beldiceanu and Mats Carlsson. A Scalable Sweep Algorithm for the cumulative Constraint

Jean-Baptiste Mairy, Pascal Van Hentenryck and Yves Deville. An Optimal Filtering Algorithm for Table Constraints

Thierry Petit. FOCUS: A Constraint for Concentrating High Costs

Kenil Cheng, Wei Xia and Roland Yap. Space-Time Tradeoffs for the Regular Constraint

Anton Belov, Mikoláš Janota, Ines Lynce and Joao Marques-Silva. On Computing Minimal Equivalent Subformulas

Yuri Malitsky, Ashish Sabharwal, Horst Samulowitz and Meinolf Sellmann. Parallel SAT Solver Selection and Scheduling

George Katsirelos, Laurent Simon  
Eigenvector centrality in industrial SAT instances

Gilles Audemard, Laurent Simon Refining restarts strategies for SAT and UNSAT formulae

#### **Poster session 4: Wednesday October 10, 16:40**

Georgiana Ifrim, Barry O'Sullivan and Helmut Simonis. Energy-Cost Forecasting for Scheduling

Rolf Fagerberg, Christoph Flamm, Daniel Merkle and Philipp Peters. Exploring Chemistry Using SMT

Pascal Germain, Sébastien Giguère, Jean-François Roy, Brice Zirakiza, François Laviolette and Claude-Guy Quimper. A Pseudo-Boolean Set Covering Machine

Michael Morin, Anika-Pascale Papillon, Irène Abi-Zeid, François Laviolette and Claude-Guy Quimper. Constraint Programming for Probabilistic Path Planning Problems: An Optimal Search Path Example

Christian Bessiere, Patricia Gutierrez and Pedro Meseguer. Including Soft Global Constraints in DCOPs

Emma Rollon and Javier Larrosa. Improved Bounded Max-Sum for Distributed Constraint Optimization

Vincent Armant, Laurent Simon and Philippe Dague. Distributed tree decomposition with privacy

Laurent Granvilliers. Adaptive Bisection of Numerical CSPs

Mohammed Said Belaid, Claude Michel and Michel Rueher. Boosting local consistency algorithms over floating-point numbers

Philippe Vismara and Remi Coletta. Breaking variable symmetry in almost injective problems

Jimmy Lee and Jingying Li. Increasing Symmetry Breaking by Preserving Target Symmetries

Cédric Pralet and Gérard Verfaillie. Time-dependent Simple Temporal Networks

Weiming Liu and Sanjiang Li. Solving Minimal Constraint Networks in Qualitative Spatial and Temporal Reasoning

Alessandro Cimatti, Andrea Micheli and Marco Roveri. Solving Temporal Problems using SMT: Strong Controllability

### **Poster session 5: Thursday October 11, 10:30**

Ignasi Abio and Peter Stuckey. Conflict Directed Lazy Decomposition

Carlos Ansótegui, Maria Luisa Bonet, Joel Gabàs and Jordi Levy. Improving SAT-Based Weighted MaxSAT Solvers

Chu-Min Li, Zhu Zhu, Felip Manyà and Josep Argelich. A New Encoding from MinSAT into MaxSAT

Siert Wieringa. Understanding, improving and parallelizing MUS finding using model rotation

Pierre Schaus and Jean-Charles Regin. A flow reasoning for bin-packing constraint. Application to a tank allocation problem

Faten Nabli, François Fages, Thierry Martinez and Sylvain Soliman. A Boolean Model for Enumerating Minimal Siphons and Traps in Petri-nets

Hadrien Cambazard and Bernard Penz. A Constraint Programming Approach for the Traveling Purchaser Problem

Gilles Simonin, Christian Artigues, Emmanuel Hebrard and Pierre Lopez.  
Scheduling Scientific Experiments on the Rosetta/Philae Mission

### **POSTERS of POSITION PAPERS**

Thiago Serra On Defining Decision Patterns to Generalize and Leverage Automated Constraint Solving

Nicolas Beldiceanu, Pierre Flener, Jean-Noel Monette, Justin Pearson and Helmut Simonis Some Research Challenges and Remarks on CP

Tom Kelsey, Lars Kotthoff, Christopher Jefferson, Steve Linton, Ian Miguel, Peter Nightingale, Ian Gent Qualitative Modeling via Constraint Programming: Past, Present and Future

Yehuda Naveh, Oded Margalit, Amir Nahir, Ilia Averbouch and Gil Shurek

Position Paper on the Future of Constraint Programming: Solving Business Constraint Satisfaction Problems on Field-Programmable Hardware

Maria Garcia De La Banda, Peter Stuckey, Pascal Van Hentenryck and Mark Wallace The Future of Optimization Technology

Vijay Saraswat, David Cunningham, Liana Hadarean, Louis Mandel, Avraham Shinnar and Olivier Tardieu Constrained Types -- Future Directions

### **Poster session 6: Friday October 12, 10:30**

Domenico Salvagnin and Toby Walsh. An hybrid MIP/CP approach for multi-activity shift scheduling

Stefano Gualandi and Federico Malucelli. Resource Constrained Shortest Paths with Super Additive Objective Functions

Tenda Okimoto, Yongjoon Joe, Toshihiro Matsui, Katsutoshi Hirayama, Atsushi Iwasaki and Makoto Yokoo. Interactive Algorithm for Multi-objective Constraint Optimization

David Allouche, Seydou Traoré, Isabelle André, Simon de Givry, George Katsirelos, Sophie Barbe and Thomas Schiex. Computational Protein Design as a Cost Function Network Optimization Problem

Joao Guerra and Ines Lynce. Reasoning over Biological Networks using Maximum Satisfiability

Federico Campeotto, Agostino Dovier, Alessandro Dal Palù, Ferdinando Fioretto and Enrico Pontelli. A Filtering Technique for Fragment Assembly-based Proteins Loop Modeling with Constraints

Adreas Distler, Tom Kelsey, Lars Kotthoff, Chris Jefferson. The Semigroup of Order 10

Mohamed Siala, Emmanuel Hebrard and Marie-José Huguet. An Optimal Arc Consistency Algorithm for a Chain of Atmost Constraints with Cardinality

Hannes Uppman. Max-Sur-CSP on Two Elements

Geoffrey Chu and Peter Stuckey.  
Systematically Identifying and Exploiting Dominance Relations

### **POSTERS of POSITION PAPERS**

Eugene Freuder and Barry O'Sullivan Grand Challenges for Constraint Programming

Francesca Rossi Collective decision making: a bright future for CP

Vijay Saraswat, David Cunningham, Liana Hadarean, Louis Mandel, Avraham Shinnar and Olivier Tardieu Constrained Types -- Future Directions