

CP 2007 Preliminary conference program
(version Sep 4 -- subject to modifications)

	Monday 24	
8:50-9:00	CP 2007 Welcome	
9:00-10:00	Invited Talk: <i>Caching in Backtracking Search</i> , Fahiem Bacchus	
10:00-10:30	Coffee Break	
10:30-12:10	Application-driven Research: • <i>An Efficient Model and Strategy for the Steel Mill Slab Design Problem</i> Antoine Gargani, Philippe Refalo • <i>Solving an Air Conditioning System Problem in an Embodiment Design Context using Constraint Satisfaction Techniques</i> Raphaël Chenouard, Patrick Sébastien, Laurent Granvilliers • <i>Exploring different constraint-based modelings for program verification</i> Hélène Collavizza, Michel Rueher • <i>Reformulating CSPs for Scalability with Application to Geospatial Reasoning</i> Kenneth M. Bayer, Martin Michalowski, Berthe Y. Choueiry, Craig A. Knoblock	Search & Symmetry: • <i>On Universal Restart Strategies for Backtracking Search</i> Huayue Wu, Peter van Beek • <i>Exploiting Past and Future: Pruning by Inconsistent Partial State Dominance</i> Christophe Lecoutre, Lakhdar Sais, Sébastien Tabary, Vincent Vidal • <i>Local Symmetry Breaking During Search in CSPs</i> Belaïd Benhamou, Mohamed Réda Saïdi • <i>Breaking Symmetry of Interchangeable Variables and Values</i> Y.C. Law, J.H.M. Lee, Toby Walsh, J.Y.K. Yip
12:10-14:00	Lunch Break	
14:00-15:40	Hybrid and Structural Approaches: • <i>AND/OR Multi-Valued Decision Diagrams for Constraint Optimization</i> Robert Mateescu, Radu Marinescu, Rina Dechter • <i>A Constraint Store Based on Multivalued Decision Diagrams Techniques</i> H. R. Andersen, T. Hadzic, J. N. Hooker, P. Tiedemann • <i>Valid Inequality Based Lower Bounds for WCSP</i> Mohand Ou Idir Khemmoudj, Hachemi Bennaceur • <i>Dynamic Management of Heuristics for Solving Structured CSPs</i> Philippe Jégou, Samba Ndojh Ndiaye, Cyril Terrioux	Systems & Modeling: • <i>MiniZinc: Towards A Standard CP Modelling Language</i> Nicholas Nethercote, Peter J. Stuckey, Ralph Becket, Sebastian Brand, Gregory J. Duck, Guido Tack • <i>Advisors for Incremental Propagation</i> Mikael Z. Lagerkvist, Christian Schulte • <i>An Abstract Interpretation Based Combinator for Modelling While Loops in Constraint Programming</i> Tristan Denmat, Arnaud Gotlieb, Mireille Ducassé • <i>Parallelizing Constraint Programs Transparently</i> Laurent Michel, Andrew See, Pascal Van Hentenryck
15:40-16:10	Coffee Break	
16:10-17:00	Space & Time: • <i>A Generic Geometrical Constraint Kernel in Space and Time for Handling Polymorphic k-Dimensional Objects</i> N. Beldiceanu, M. Carlsson, E. Poder, R. Sadek, C. Truchet • <i>Efficient Computation of Minimal Point Algebra Constraints by Metagraph Closure</i> Alfonso Gerevini, Alessandro Saetti	Local Search/Vizualization: • <i>Model-Driven Visualizations of Constraint-Based Local Search</i> Grégoire Doms, Pascal Van Hentenryck, Laurent Michel • <i>An Integrated White+Black Box Approach for Designing and Tuning Stochastic Local Search</i> Steven Halim, Roland H.C. Yap, Hoong Chuin Lau
17:10-18:10	Panel on the Use of CP in the Industry	

	Tuesday 25	
9:00-10:00	Joint CP/ICAPS Invited Talk: <i>Of Mousetraps and Men: A Cautionary Tale</i> , Matt Ginsberg	
10:00-10:30	Coffee Break	
10:30-12:30	Joint session ICAPS/CP: • <i>An LP-Based Heuristic for Optimal Planning</i> Menkes van den Briel, J. Benton, Subbarao Kambhampati, Thomas Vossen • <i>Constructing Conflict-Free Schedules in Space and Time</i> David Hildum, Stephen Smith • <i>The Manpower Allocation Problem with Time Windows and Job-Teaming Constraints</i> Anders Dohn, Esben Kolind, Jens Clausen • <i>Scheduling Conditional Task Graphs</i> Michele Lombardi, Michela Milano	Presentation of recent CP solvers: • <i>Comet</i> • <i>CSP4J</i> • <i>Declic</i> • <i>Gecode</i> • <i>HySAT</i> • <i>ILOG CP Optimizer</i>
12:30-14:00	Lunch Break	
14:00-14:05 14:05-15:05 15:05-15:30	Awards ceremony: Best Paper, Best Student Paper, ACP Award ACP award for Research Excellence in Constraint Programming Talk: Rina Dechter Best Paper Talk: • <i>Solution Counting Algorithms for Constraint-Centered Search Heuristics</i> Alessandro Zanarini, Gilles Pesant	
15:30-16:00	Coffee Break	
16:00-17:15	Tutorial: • <i>Ants and CP</i> Christine Solnon	Tutorial: • <i>SAT solving</i> Inès Lynce
19:00-...	Banquet	

	Wednesday 26	
9:00-10:00	Joint CP/ICAPS Invited Talk: Sheila McIlraith	
10:00-10:30	Coffee Break	
10:30-12:10	Global Constraints: • <i>Encodings of the Sequence constraint</i> Sebastian Brand, Nina Narodytska, Claude-Guy Quimper, Peter Stuckey, Toby Walsh • <i>Decomposing Global Grammar Constraints</i> Claude-Guy Quimper, Toby Walsh • <i>Bound-Consistent Deviation Constraint</i> Pierre Schaus, Yves Deville, Pierre Dupont • <i>Filtering for Subgraph Isomorphism</i> Stéphane Zampelli, Yves Deville, Christine Solnon, Sébastien Sorlin, Pierre Dupont	SAT: • <i>Limitations of Restricted Branching in Clause Learning</i> Matti Järvisalo, Tommi Junttila • <i>Tradeoffs in the Complexity of Backdoor Detection</i> Bistra Dilkina, Carla P. Gomes, Ashish Sabharwal • <i>Hierarchical Hardness Models for SAT</i> Lin Xu, Holger H. Hoos, Kevin Leyton-Brown • <i>SATzillaNew: The Design and Analysis of an Algorithm Portfolio for SAT</i> Lin Xu, Frank Hutter, Holger H. Hoos, Kevin Leyton-Brown
12:10-14:00	Lunch Break	
14:00-15:15	Applications: • <i>Scheduling for Cellular Manufacturing</i> Roman van der Krogt, James Little, Kenneth Pulliam, Sue Hanhilaammi, Yue Jin • <i>Solving Planning and Scheduling Problems in Network based Operations</i> Christophe Guettier • <i>An application of constraint programming to generating detailed operations schedules for steel manufacturing</i> Andrew Davenport, Jayant Kalagnanam, Chandra Reddy, Stuart Siegel, John Hou	SAT-CSP: • <i>GAC via Unit Propagation</i> Fahiem Bacchus • <i>Propagation = Lazy Clause Generation</i> Olga Ohrimenko, Peter J. Stuckey, Michael Codish • <i>Towards Robust CNF Encodings of Cardinality Constraints</i> Joao Marques-Silva, Inês Lynce
15:15-16:45	Coffee Break & Poster Presentation	
16:45-17:15	Presentation of CP'08 and CPAIOR'08	
17:15-18:15	ACP General Assembly	

	Thursday 27	
9:00-10:15	Elicitation, Explanation: • <i>Dealing with Incomplete Preferences in Soft Constraint Problems</i> Mirco Gelain, Maria Silvia Pini, Francesca Rossi, K. Brent Venable • <i>A Cost-Based Model and Algorithms for Interleaving Solving and Elicitation of CSPs</i> Nic Wilson, Diarmuid Grimes, Eugene C. Freuder • <i>MUST: Provide a Finer-Grained Explanation of Unsatisfiability</i> Eric Grégoire, Bertrand Mazure, Cédric Piette	Tutorial: • <i>ECLIPSE by example</i> Joachim Schimpf, Kish Shen
10:15-10:45	Coffee Break	
10:45-12:00	Extensions of CSP: • <i>Min-Domain ordering for Asynchronous Backtracking</i> Roie Zivan, Moshe Zazone, Amnon Meisels • <i>Boosting Probabilistic Choice Operators</i> Matthieu Petit, Arnaud Gotlieb • <i>Solution Directed Backjumping for QCSP</i> Fahiem Bacchus, Kostas Stergiou	Applications: • <i>Constraint-based Temporal Reasoning for E-learning with LODE</i> Rosella Gennari, Ornella Mich • <i>Estimation of the Minimal Duration of an Attitude Change for an Autonomous Agile Earth-Observing Satellite</i> Grégory Beaumet, Gérard Verfaillie, Marie-Claire Charneau • <i>Solving the Salinity Control Problem in a Potable Water System</i> Chiu Wo Choi, Jimmy H.M. Lee
12:00-13:50	Lunch Break	
13:50-15:05	Extensions of SAT: • <i>Structural Relaxations by Variable Renaming and their Compilation for Solving MinCostSAT</i> Miquel Ramirez, Hector Geffner • <i>On Inconsistent Clause-Subsets for Max-SAT Solving</i> Sylvain Darras, Gilles Dequen, Laure Devendeville, Chu-Min Li • <i>A multi-engine solver for quantified Boolean formulas</i> Luca Pulina, Armando Tacchella	Local Consistency: • <i>A compression algorithm for large arity extensional constraints</i> George Katsirelos, Toby Walsh • <i>Path Consistency by Dual Consistency</i> Christophe Lecoutre, Stéphane Cardon, Julien Vion • <i>Constructive Interval Disjunction</i> Gilles Trombettoni, Gilles Chabert