

CPAIOR 2008 Schedule		Version: April 25
<b>Wednesday May 21</b>		
8:15	Registration begins	
8:40	François Fages, Laurent Perron, Michael Trick	<i>Welcomes</i>
<i>Invited Presentation</i>		<i>Chair: Michael Trick, Carnegie Mellon</i>
8:45	Cynthia Barnhart	<i>Airline Scheduling: Accomplishments, Opportunities and Challenges</i>
9:45	*break*	
<i>Session A</i>	<i>Decomposition and Distributed Approaches</i>	<i>Chair: Laurent Perron, ILOG</i>
10:15	Luca Benini, Michele Lombardi, Marco Mantovani, Michela Milano and Martino Ruggiero	<i>Multi-stage Benders Decomposition for Optimizing Multicore Architectures</i>
10:40	Jakob Puchinger, Peter J. Stuckey, Mark Wallace and Sebastian Brand	<i>From High Level Model to Branch and Price Solution in G12</i>
11:05	Laurent Michel, Elaine Sonderegger, Pascal Van Hentenryck and Alexander Shvarstman	<i>Optimal Deployment of Eventually-Serializable Data Services</i>
11:30	Mahdi Namazifar and Andrew Miller	<i>A Parallel Macro Partitioning Framework for Solving Mixed Integer Programs</i>
11:45	Paul Maier and Martin Sachenbacher	<i>Constraint Optimization and Abstraction for Embedded Intelligent Systems</i>
12:00	Hoong Chuin Lau, Kong-wei Lye and Viet Bang Nguyen	<i>A combinatorial auction framework for solving decentralized scheduling problems</i>
12:15	*lunch*	
<i>Session B</i>	<i>Integrating CP/IP/Local Search</i>	<i>Chair: Barbara Smith, Leeds University</i>
1:45	Tobias Achterberg, Timo Berthold, Thorsten Koch and Kati Wolter	<i>Constraint Integer Programming: a New Approach to Integrate CP and MIP</i>
2:10	Birgit Grohe and Dag Wedelin	<i>Cost Propagation -- Numerical Propagation for Optimization Problems</i>
2:35	Hadrien Cambazard, John Horan, Eoin O'Mahony and Barry O'Sullivan	<i>Fast and Scalable Domino Portrait Generation</i>
3:00	Philippe Galinier, Alain Hertz, Sandrine Paroz and Gilles Pesant	<i>Using Local Search to Speed Up Filtering Algorithms for Some NP-Hard Constraints</i>
3:15	Madjid Khichane, Patrick Albert and Christine Solnon	<i>CP with ACO</i>
3:30	Meinolf Sellmann	<i>The Polytope of Tree-Structured Binary Constraint Satisfaction Problems</i>
3:45	*break*	
<i>Session C</i>	<i>Counting, Symmetry, and Sets</i>	<i>Chair: Yves Deville, UCLouvain</i>
4:15	Gilles Pesant and Claude-Guy Quimper	<i>Counting Solutions of Knapsack Constraints</i>
4:40	Alex Fukunaga	<i>Integrating Symmetry, Dominance, and Bound-and-Bound in a Multiple Knapsack Solver</i>
5:05	Christopher Mears, Maria Garcia de la Banda, Mark Wallace and Bart Demeo	<i>A Novel Approach For Detecting Symmetries In CSP Models</i>
5:30	Tobias Achterberg, Stefan Heinz and Thorsten Koch	<i>Counting solutions of integer programs using unrestricted subtree detection</i>
5:45	Pascal Van Hentenryck and Laurent Michel	<i>The Steel Mill Slab Design Problem Revisited</i>
6:00	Willem-Jan van Hoes and Ashish Sabharwal	<i>Filtering Atmost1 on Pairs of Set Variables</i>
7:30-10:00	Conference outing/dinner	

<b>Thursday May 22</b>		
<i>Invited Presentation</i>		<i>Chair: François Fages, INRIA</i>
8:45	Pascal van Hentenryck	<i>30 Years of Constraint Programming</i>
9:45	*break*	
<i>Session D</i>		<i>Chair: Claude Le Pape, Schneider Electric</i>
<i>Constraint Programming</i>		
10:15	Nicolas Beldiceanu, Mats Carlsson and Emmanuel Poder	<i>New Filtering for the Cumulative Constraint in the Context of Non-Overlapping Rectangles</i>
10:40	Tino Teige and Martin Fränzle	<i>Stochastic Satisfiability modulo Theories for Non-linear Arithmetic</i>
11:05	Jean-Charles Regin	<i>Simpler and incremental consistency checking and arc consistency filtering algorithms for the weighted spanning tree constraint</i>
11:30	George Katsirelos, Nina Narodytska and Toby Walsh	<i>The Weighted CFG Constraint</i>
11:45	Tarik Hadzic, John Hooker and Peter Tiedemann	<i>Propagating separable equalities in an MDD store</i>
12:00	Thierry Petit and Emmanuel Poder	<i>Global Propagation of Practicability Constraints</i>
12:15	*lunch*	
1:45-3:45	Workshops	
3:45	*break*	
4:15-6:15	Workshops	

<b>Friday May 23</b>		
<i>Invited Presentation</i>		<i>Chair: Laurent Perron, ILOG</i>
8:45	François Laburthe	<i>Selected Challenges from Distribution and Commerce in the Airline and Travel Industry</i>
9:45	*break*	
<i>Session A</i>		<i>Chair: Andrew Davenport, IBM</i>
<i>Scheduling and Networks</i>		
10:15	Jean-Paul Watson and Chris Beck	<i>A Hybrid Constraint Programming / Local Search Approach to the Job-Shop Scheduling Problem</i>
10:40	Grégoire Dooms and Pascal Van Hentenryck	<i>Gap Reduction Techniques for Online Stochastic Project Scheduling</i>
11:05	Luc Mercier and Pascal Van Hentenryck	<i>Amsaa: A Multistep Anticipatory Algorithm for Online Stochastic Combinatorial Optimization</i>
11:30	Carla Gomes, Willem-Jan van Hoeve and Ashish Sabharwal	<i>Connections in Networks: A Hybrid Approach</i>
11:45	Luca Quadrioglio, Maged Dessouky and Fernando Ordonez	<i>Mobility Allowance Shuttle Transit (MAST) Services: MIP formulation and strengthening with logic constraints</i>
12:00	Doug Altner and Ozlem Ergun	<i>Rapidly Solving an Online Sequence of Maximum Flow Problems</i>
12:15	*lunch*	
<i>Session B</i>		<i>Chair: Laurent Michel, University of Connecticut</i>
<i>Search</i>		
1:45	Lukas Kroc, Ashish Sabharwal and Bart Selman	<i>Leveraging Belief Propagation, Backtrack Search, and Statistics for Model Counting</i>
2:10	Daniel Hogson Leventhal and Meinolf Sellmann	<i>The Accuracy of Search Heuristics: An Empirical Study on Knapsack Problems</i>
2:35	Ivan Heckman and Chris Beck	<i>Fitness-Distance Correlation and Solution-Guided Multi-Point Constructive Search for CSPs</i>
3:00	Angelo Oddi, Amedeo Cesta, Nicola Policella and Stephen Smith	<i>Hybrid Variants for Iterative Flattening Search</i>
3:15	Yehuda Naveh	<i>Guiding stochastic search by dynamic learning of the problem topography</i>
3:30	Charlotte Truchet, Marc Christie and Jean-Marie Normand	<i>A tabu search method for interval constraints</i>
3:45	*break*	
<i>Session G</i>		<i>Chair: Helmut Simonis, University College Cork</i>
<i>Applications</i>		
4:15	Ana Graça, Joao Marques-Silva, Ines Lynce and Arlindo Oliveira	<i>Efficient Haplotype Inference with Combined CP and OR Techniques</i>
4:30	Amy Cohn, Ada Barlatt and Oleg Gusikhin	<i>A Hybrid Approach for Solving Shift-Selection and Task-Sequencing Problems</i>
4:45	Boris Gutkovich	<i>Integration of CP and Compilation Techniques for Instruction Sequence Test Generation</i>
5:00	Nizar El Hachemi, Michel Gendreau and Louis-Martin Rousseau	<i>Solving a Log-Truck Scheduling Problem with Constraint Programming</i>
5:15		<i>CPAIOR09 and Farewells</i>
5:30	end of conference	