

May 22-25, 2016, Búzios, Brazil

Sunday, May 22

19:30 Welcome reception

Monday, May 23

8:40	Opening session
	Session 1
8:45	Selective pricing in branch-and-price algorithms for vehicle routing Guy Desaulniers, Diego Pecin, Claudio Contardo
9:10	Limited-memory subset-row cuts for VRP Diego Pecin, Claudio Contardo, Guy Desaulniers, Artur Pessoa, Marcus Poggi, Eduardo Uchoa
9:35	The pickup and delivery problem with scheduling at the dock Vitor Andrade Almeida de Souza, Geraldo Robson Mateus
10:00	P-step formulations for vehicle routing problems: a generalized class of models based on column generation Pedro Munari
10:25	Coffee break
	Session 2
10:55	Column Generation for Airline Crew Planning and Scheduling implementation and research directions for solving industrial problems
	Daniel Villeneuve, Norbert Lingaya
11:20	Column generation with dynamic constraint aggregation in the master problem François Soumis, Issmail El Hallaoui, Hocine Bouarab, François Lessard
11:20 11:45	Column generation with dynamic constraint aggregation in the master problem
	Column generation with dynamic constraint aggregation in the master problem François Soumis, Issmail El Hallaoui, Hocine Bouarab, François Lessard Column Generation with the Primal-Dual Interior Point Method

	Session 3
14:00	A Column Generation approach to VMAT treatment planning in radiation therapy Mehdi Mahnam, Michel Gendreau, Nadia Lahrichi, Louis-Martin Rousseau
14:25	A Branch and Price Approach for Deployment of Cloud Services Anders N. Gullhav, Bjørn Nygreen
14:50	Social Network Analysis and Community Detection by Decomposing a Graph into Relaxed Cliques Timo Gschwind, Stefan Irnich, Fabio Furini, Roberto Wolfler Calvo
15:15	Column Generation for the Nurse Rostering Problem: Improved Lower and Upper Bounds Rafael A.M. Gomes, Haroldo G. Santos, Túlio A.M. Toffolo
15:40	Coffee break
	Session 4
16:10	A decomposition approach for correlated random vector generation Andrés L. Medaglia, Jorge Sefair, Oscar Guaje
16:35	Application of Dantzig-Wolfe Reformulation to Binary Quadratic Problems Alberto Ceselli, Lucas Létocart, Emiliano Traversi
17:00	An Improved Branch-Cut-and-Price algorithm for Parallel Machine Scheduling Problems Daniel Oliveira, Artur Pessoa
17:25	Large-scale optimization of the Unit Commitment Problem for medium-term simulations of Energy Systems Alberto Ceselli, Giovanni Righini, Dario Siface, Andrea Taverna

Tuesday, May 24

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	Session 5
8:45	The tail assignment problem with look-ahead maintenance constraints
	Stephen J. Maher, Guy Desaulniers, François Soumis
9:10	Solving bin packing problems with fragmentation
	Alberto Ceselli, Marco Casazza
9:35	Pseudo-polynomial Formulations for Cutting Stock Problems
	Maxence Delorme, Manuel Iori
10:00	Column generation for vector packing with bounds from multidimensional dual-feasible
	functions
	Cláudio Alves, José Valério de Carvalho, François Clautiaux, Jürgen Rietz
10:25	Coffee break
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	Session 6
10:55	Recent results for column generation based diving heuristics
	Ruslan Sadykov, François Vanderbeck, Artur Pessoa, Issam Tahiri, Eduardo Uchoa
11:20	Integral column generation for set partitioning problems
	Issmail El Hallaoui, Adil Tahir, Guy Desaulniers
11:45	Pricing in column generation
	Jacques Desrosiers
12:10	Lunch
14.00 18.00	Francis
14:00 - 18:00	Excursion
19:00 - 22:00	Workshop dinner

Wednesday, May 25

	Session 7
8:45	A comparison of formulations and relaxations for the cross-dock door assignment problem Wael Nassief, Brigitte Jaumard
9:10	A branch-and-cut-and-price algorithm for the P-Arborescence Star Problem Vinicius Morais, Geraldo Robson Mateus
9:35	Cycle decomposition on network flow problems Jean-Bertrand Gauthier, Jacques Desrosiers
10:00	Dantzig-Wolfe Reformulations for the Stable Set Problem and Possible Extensions to Related Problems Jonas Witt, Marco Lübbecke
10:25	Coffee break
	Session 8
10:55	An approach based on Column Generation for solving routing problems with fractional objective function Roberto Wolfler Calvo, Roberto Baldacci, Emiliano Traversi, Lucas Letocart
11:20	Branch-and-cut (and price) for the chance constrained vehicle routing problem Thai Dinh, Ricardo Fukasawa, James Luedtke
11:45	Improved Lower Bounds using Im-SRCs for the Capacitated Arc Routing Problem Rafael Martinelli, Marcelo Malta and Marcus Poggi
12:10	Branch-and-Price-and-Cut for the Active-Passive Vehicle-Routing Problem Christian Tilk, Nicola Bianchessi, Michael Drexl, Stefan Irnich, Frank Meisel
12:35	Lunch
	Session 9
14:00	The Fixed Charge Transportation Problem: A Strong Formulation Based On Lagrangian Decomposition and Column Generation Yixin Zhao, Torbjörn Larsson, Elina Rönnberg
14:25	Branch-and-Benders-Cut Algorithms for the Single-Source Capacitated Facility Location Problem Furkan Enderer, Claudio Contardo, Bernard Gendron
14:50	Decomposition, Separation, and Inverse Optimization: Some Observations Ted Ralphs
15:15	A joint routing and speed optimization problem Ricardo Fukasawa, Qie He, Fernando Santos, Yongjia Song