June 10 - 13
2012 Column
Generation

International Workshop on Column Generation 2012
June 10 to 13, 2012, Bromont, Québec, Canada

ROOMS:
- **Talks:** Salon C
- **Cocktail:** Terrasse or Atrium
- **Lunches and dinners:** Salon Knowlton *(except Tuesday's dinner)*
- **Tuesday's dinner:** Auberge Bromont, Côté-Jardin room

Sunday, June 10

18:45	Cocktail (*at the Terrasse (if weather allows it) or in the Atrium*)
19:30	Dinner (*Salon Knowlton*)

Monday, June 11

8:20	Opening session
8:30 – 10 :10	Session 1
8:30 – 8:55	*Column generation for the robust rescheduling of resources* D. Huisman, L. Veelenturf, D. Potthoff, L. Kroon, G. Maroti & A. Wagelmans
8:55 – 9:20	*Column generation for the cut packing problem* M. Bergner, M. Lübbecke
9:20 – 9:45	*A branch-and-price method for a ship routing and scheduling problem with cargo coupling and synchronization constraints* M. Stalhane, H. Andersson
9:45 – 10:10	*Taking advantage of degeneracy in mathematical programming* F. Soumis, A. Zaghrouti, I. Elhallaoui, G. Desaulniers, J. Desrosiers
10:10 – 10:40	Coffee break
10:40 – 12:20	Session 2
10:40 – 11:05	*Pricing, relaxing and fixing under lotsizing and scheduling* D. Klabjan, L. Guimaraes, B. Almada-Lobo
11:05 – 11:30	*Using strong degree constraints to impose partial elementarity in shortest path problems under resource constraints* C. Contardo, G. Desaulniers
11:30 – 11:55	*Just Say "No"… for the Wrong Variables* E. Gorgone, A. Frangioni
11:55 – 12:20	*A column generation approach for the bi-objective max-min knapsack problem* J. M. Valério de Carvalho, C. Alves, R. Mansi, T. Pinto
12:30 – 14:00	Lunch (*Salon Knowlton*)

Monday, June 11 *(continued)*

14:00 − 15:40	Session 3
14:00 − 14:25	*Challenging column generation models for the design of survivable IP-over-WDM networks* B. Jaumard
14:25 − 14:50	*Large neighborhood search in column generation algorithms* C. Puchert, M. Lübbecke
14:50 − 15:15	*Integrated airline recovery problem with a minimal disruption neighbourhood* S. J. Maher
15:15 − 15:40	*Not only column generation: the (stabilized) structured Dantzig-Wolfe decomposition method* A. Frangioni, B. Gendron
15:40 − 16:10	Coffee break
16:10 − 17:50	Session 4
16:10 − 16:35	*Equipment/Operator task scheduling with BAPCOD* M. Poggi, D. Pecin, M. Reis, C. Ferreira, K. Neves, R. Sadykov, F. Vanderbeck
16:35 − 17:00	*The horizon decomposition for capacity constrained lot size problems with setup times* I. Fragkos, Z. Degraeve, B. De Reyck
17:00 − 17:25	*Row-reduced column generation* J.-B. Gauthier, J. Desrosiers, M. Lübbecke
17:25 − 17:50	*Column generation stabilization using dual smoothing: theory and practice* F. Vanderbeck, J. Han, P. Pesneau, A. Pessoa, R. Sadykov, E. Uchoa
19:30	Dinner (*Salon Knowlton*)

Tuesday, June 12

8:30 − 10 :10	Session 5
8:30 − 8:55	*Branch-and-price for vehicle routing problems with multiple synchronization constraints* M. Drexl
8:55 − 9:20	*Location and routing problems: a unified approach* A. Ceselli, G. Righini, E. Tresoldi
9:20 − 9:45	*Integral simplex using decomposition* I. Elhallaoui, A. Zaghrouti, F. Soumis
9:45 − 10:10	*Interior point methods and column generation* J. Gondzio
10:10 − 10:40	Coffee break
10:40 − 12:20	Session 6
10:40 − 11:05	*Efficient ng-route pricing* D. Pecin, R. Martinelli, M. Poggi
11:05 − 11:30	*Recoverable robustness by column generation* M. van den Akker, P. Bouman, H. Hoogeveen, D. Tonissen
11:30 − 11:55	*The fire and rescue vehicle location problem* H. Andersson, T. Andersson Granberg
11:55 − 12:20	*Experiments with a generic branch-price-and-cut code* M. Lübbecke
12:30 − 14:00	Lunch (*Salon Knowlton*)
14:00 − 18:00	Excursion to Domaine Pinnacle
19:30	Dinner (*in Côté-Jardin room Auberge Bromont*)

Wednesday, June 13

8:30 − 10 :10	Session 7
8:30 − 8:55	*Branch-price-and-cut for creating an annual delivery program of multi-product liquefied natural gas* J. G. Rakke, H. Andersson, M. Christiansen, G. Desaulniers
8:55 − 9:20	*Improved column generation for solving set partitioning problems* A. Metrane, I. Elhallaoui, F. Soumis
9:20 − 9:45	*The time window assignment vehicle routing problem* R. Spliet, A. F. Gabor
9:45 − 10:10	*Branching decisions in branch-and-cut-and-price algorithms for vehicle routing problems* S. Ropke
10:10 − 10:40	Coffee break
10:40 − 12:20	Session 8
10:40 − 11:05	*Branch-cut-and-price for routing problems* R. Martinelli, D. Pecin, M. Poggi, A. Pessoa, E. Uchoa
11:05 − 11:30	*Simultaneous column-and-row generation for large-scale linear programs with column-dependent-rows* I. Muter, S. Ilker Birbil, K. Bulbul
11:30 − 11:55	*Branch and price for hub location problems with single assignment* I. Contreras, E. Fernández
11:55 − 12:20	*Stabilized dynamic constraint aggregation for solving set partitioning problems* J. Desrosiers, P. Benchimol, G. Desaulniers
12:30 − 14:00	Lunch (*Salon Knowlton*)