



Journées des Étudiants du GERAD

Mardi 11 avril 2017
Salle Trois Rivières - HEC Montréal

Session 1 : 13h45 - 15h

- 1 Mathieu Tanneau** Miguel Anjos, Andrea Lodi
Integrating distributed energy resources to the grid through aggregation
- 2 Waddhah Mhamdi** Guy Desaulniers
Combinatorial bid generation for transportation procurement auctions taking into account carrier's risk behaviour
- 3 Jean-Noël Weller** Andrea Lodi
New Compatibility Measure for the Kidney-Exchange Problem
- 4 Simon Thevenin** Jean-François Cordeau, Yossiri Adulyasak
Multi-level production under dynamic and stochastic environment
- 5 Hélène-Sarah Becotte** Alain Hertz, Gilles Caporossi
Quantitative tools for an automatic analysis of the writing process
- 6 Ryan Caverly** James Forbes
Robust Controller Design using the Large Gain Theorem
- 7 Lorela Cano** Brunilde Sansò
Optimization of infrastructure sharing in telecommunications networks
- 8 Eglantine Camby** Gilles Caporossi
The software GraphsInGraphs

Session 2 : 15h15 - 16h30

- 9 Luciano Costa** Guy Desaulniers, Claudio Contardo
Exact algorithms based on column generation for rich vehicle routing problems
- 10 Kenjy Demeester** Dominique Orban, Pascal Côté
Numerical methods for solving mid-term hydropower optimization
- 11 Arnaud Augustin** Louis-Martin Rousseau, Nadia Lahrichi, Andrea Lodi
Operating room scheduling with downstream constraints
- 12 Ahmed Chaouachi** Patrice Marcotte, Miguel F. Anjos
Optimization models and algorithms in Smart grid
- 13 Jhelum Chakravorty** Aditya Mahajan
Structural results for remote estimation with packet drops
- 14 Tiago Christo** Sylvain Perron
Smart Grids Deployment For Extreme Environments : The Antarctic Case
- 15 Robin Rivest** Erick Delage
A numerical experiment to explore the possibility of quantifying the decision maker preferences using the AHP method with much less pairwise comparisons
- 16 Louis-Pierre Campeau** Michel Gamache
Underground Mine Scheduling Optimization
- 17 Paul Javal** François Soumis
Arc Elimination by Reduced Cost in a Bi-directional Algorithm

Session 3 : 16h45 - 17h45

- 18 Rabih Salhab** Roland Malhamé, Jérôme Le Ny
A Dynamic Game Model of Collective Choice in Multi-Agent Systems
- 19 Chun Peng** Erick Delage
Data-driven robust models in EMS and Healthcare under uncertainty
- 20 Kevin Dalmeijer** A.P.M. Wagelmans, Remy Spliet, Guy Desaulniers
Time Window Assignment in Distribution Networks
- 21 Christopher Neal** Andrea Lodi
Data Analytics for Cyber Security : A new approach for IT/OT convergence and multilevel interdiction modeling
- 22 Lucie Desfontaines** Guy Desaulniers
Multiple Depot Vehicle Scheduling Problem with controlled trip shifting
- 23 Djilali Ait-Aoudia** Geneviève Gauthier
The first passage functionals for lévy processes with jumps of rational laplace transforms
- 24 Orestes Manzanilla** Brunilde Sansò
Machine Learning applications in Communication Networks
- 25 Jayakumar Subramanian** Aditya Mahajan
Stochastic approximation based approaches for remote estimation with packet drops