



Journée des Étudiants du GERAD

Jeudi 15 février 2018 / February 15th, 2018

Salle L'Oréal Canada - HEC Montréal

(pavillon Decelles)

Programme

Horaire	Activité
13h45 – 13h50	Mot du directeur
13h50 – 14h45	Première session
14h45 – 15h00	Pause
15h00 – 15h50	Deuxième session
15h50 – 16h05	Pause
16h05 – 16h55	Troisième session
17h00 – 18h30	5@7

Sessions

Session 1 : 13h50 - 14h45

- Giulia Zarpellon** A. Lodi
Machine Learning in Mixed-Integer Programming : some ideas
- Elizabeth Gauthier** C. Contardo
Optimizing the Food Distribution Chain in Niger : A Case Study of the World Program
- Leandro Costa** A. Lodi, D. Aloise
The Partitioning-Assignment problem for distributed 3D mapping by a swarm of UAVs
- Louis-Pierre Campeau** M. Gamache
Underground Mine Planning Optimization
- Jaime Gonzalez** L-M. Rousseau, A. Lodi
A hybrid decision-diagram-based approach for solving combinatorial problems
- Larissa Faria** J-F. Cordeau
Multi-period Prize Collecting Steiner Tree problem with budget constraints
- Hosain Zaman** Georges Zaccour
Vehicle Scrappage Incentives to Accelerate Heterogeneous Consumers' Replacement Decisions

Session 2 : 15h00 - 15h50

- 8 David Escobar Vargas** C. Contardo
Decomposition techniques for the multi-attribute two-echelon location-routing problem with facility synchronization
- 9 Greta Laage** G. Savard
Demand Modeling for Freight Transportation
- 10 Hamza Benzerrouk** J. Le-Ny
Nonlinear State Estimation Based on Smolyak Optimization of Gauss Hermite Quadrature
- 11 Gratien Bonvin** A. Lodi
Optimal design and operation of pumping stations in drinking water distribution networks
- 12 Carlos Zetina** J-F. Cordeau
Improved MIP formulations via sensitivity analysis
- 13 Jean-Noël Weller** A. Lodi
Decision-aid for kidney transplantation

Session 3 : 16h05 - 16h55

- 14 Mathieu Tanneau** M. Anjos, A. Lodi
Decomposition methods for smart grid applications
- 15 Simon Thevenin** Y. Adulyasak, J-F. Cordeau
Stochastic master requirement planning
- 16 Marie-Ange Dahito** D. Orban
CR for direction computation in continuous optimisation
- 17 Ibrahim Chamseddinel** M. Kokkolaras
Maximizing Tumor Targeting by Optimization of Drug Carrying Nanoparticles
- 18 Antoine Prouvost** A. Lodi, Y. Bengio
Machine learning for integer programming (ML4IP)
- 19 Émilie Chénier** M. Anjos
Agrégation d'un grand nombre de petites charges en incluant l'incertitude de la demande et de la disponibilité des ressources