

# Journées de l'optimisation 2022

# 2022 Optimization Days

Salle / Room	Amphithéâtre Banque Nationale	Walter Capital	Trudeau Corporation	Procter & Gamble	Dutailier International	Louis-Laberge	Raymond Chabot Grant Thornton	Quebecor	Metro inc.	Groupe Cholette	Banque Scotia	EY
Lundi/Monday 08:45–09:00	Amphithéâtre Banque Nationale Séance d'ouverture / Opening Session											
Lundi/Monday 09:00–10:00	Séance plénière I / Plenary Session I <b>A. Wächter</b>											
Lundi/Monday 10:30–12:10		<b>MA1</b> Exposé magistral <i>Tutorial</i> <b>Y. Diouane</b>	<b>MA2</b> Hydropower Optimization	<b>MA3</b> Ridesharing Systems	<b>MA4</b> Operations management I	<b>MA5</b> Méthodes statistiques et exploitation de données	<b>MA6</b> Scheduling in healthcare	<b>MA7</b> Column generation	<b>MA8</b> Derivative-free and Blackbox Optimization I	<b>MA9</b> Contextual optimization under uncertainty	<b>MA10</b> Combinatorial optimization	<b>MA11</b> Vehicle routing and scheduling I
Lundi/Monday 14:00–15:00	Séance plénière II / Plenary Session II <b>R. Le Riche</b>											
Lundi/Monday 15:30–17:10		<b>MB1</b> Exposé magistral <i>Tutorial</i> <b>C. Osorio</b>	<b>MB2</b> Energy, environment and renewable resources	<b>MB3</b> Optimization for deep learning	<b>MB4</b> Operations management II	<b>MB5</b> Applications in statistics	<b>MB6</b> Healthcare applications	<b>MB7</b> Machine learning for combinatorial optimization	<b>MB8</b> Derivative-free and Blackbox Optimization II	<b>MB9</b> Frontiers of optimization under uncertainty	<b>MB10</b> Networks	<b>MB11</b> Vehicle routing and scheduling II
Lundi/Monday 17:30–20:00	Salon L'Oréal Vins et fromages / Wine and Cheese Party											
Mardi/Tuesday 09:00–10:00	Séance plénière III / Plenary Session III <b>L. Liberti</b>											
Mardi/Tuesday 10:30–12:10		<b>TA1</b> Exposé magistral <i>Tutorial</i> <b>M. Carvalho</b>	<b>TA2</b> Optimization of industrial mining complexes under uncertainty I	<b>TA3</b> Constraint programming	<b>TA4</b> Multiobjective optimization	<b>TA5</b> Stochastic Vehicle Routing	<b>TA6</b> Logistics	<b>TA7</b> Combining ML and OR	<b>TA8</b> Derivative-free and Blackbox Optimization III	<b>TA9</b> Applications of stochastic programming	<b>TA10</b> Simulation	<b>TA11</b> Vehicle routing and scheduling III
Mardi/Tuesday 14:00–15:00	Séance plénière IV / Plenary Session IV <b>C. Sagastizabal</b>											
Mardi/Tuesday 15:30–17:10		<b>TB1</b> Recent advances in numerical methods for financial engineering	<b>TB2</b> Optimization of industrial mining complexes under uncertainty II	<b>TB3</b> Constraint Programming and Machine Learning	<b>TB4</b> Multicriteria Decision Aid	<b>TB5</b> Numerical optimization and linear algebra with Julia I	<b>TB6</b> Humanitarian and Remote Logistics	<b>TB7</b> Machine learning and OR: Applications to Aviation	<b>TB8</b> Bayesian optimization	<b>TB9</b> Integrated Machine Learning and Optimization for Decision Making under Uncertainty	<b>TB10</b> Integer programming	<b>TB11</b> Vehicle routing and scheduling IV
Mercredi/Wednesday 09:00–10:00	Séance plénière V / Plenary Session V <b>M. Veiga Pereira</b>											
Mercredi/Wednesday 10:30–12:10		<b>WA1</b> Exposé magistral <i>Tutorial</i> <b>P.-O. Pineau</b>	<b>WA2</b> Optimizing the Future Energy Systems	<b>WA3</b> Constraint Programming: Applications	<b>WA4</b> Models and algorithms in last-mile delivery	<b>WA5</b> Numerical optimization and linear algebra with Julia II	<b>WA6</b> Production planning and scheduling in the era of Industry 4.0 I	<b>WA7</b> Optimization and Learning I	<b>WA8</b> Derivative-free and Blackbox Optimization IV	<b>WA9</b> Applications of distributionally robust optimization	<b>WA10</b> Robotics	<b>WA11</b> Vehicle routing and scheduling V
Mercredi/Wednesday 13:30–15:10		<b>WB1</b> Global optimization	<b>WB2</b> Optimization applied to natural resources		<b>WB4</b> Supply chain	<b>WB5</b> Numerical optimization and linear algebra with Julia III	<b>WB6</b> Production planning and scheduling in the era of Industry 4.0 II	<b>WB7</b> Optimization and Learning II	<b>WB8</b> Derivative-free and Blackbox Optimization V	<b>WB9</b> Dynamic operations management problems	<b>WB10</b> Systems and control	<b>WB11</b> Vehicle routing and scheduling VI
Mercredi/Wednesday 15:10–15:20	Amphithéâtre Banque Nationale Séance de fermeture / Closing Remarks											
Mercredi/Wednesday 15:30–17:10		<b>WC2</b> Stochastic optimization	<b>WC3</b> Industrial session: IVADO Labs and Artelys	<b>WC4</b> Scheduling	<b>WC5</b> Numerical optimization and linear algebra with Julia IV	<b>WC6</b> Gestion de projets	<b>WC7</b> Smart Cities	<b>WC8</b> Derivative-free and Blackbox Optimization VI	<b>WC9</b> Dynamic optimization	<b>WC10</b> Game theory	<b>WC11</b> Vehicle routing and scheduling VII	