

Concours Ma thèse en 180 secondes
3-Minute Thesis Competition

The background features a light gray grid overlaid with various mathematical concepts. Symbols include the Pythagorean theorem $a^2 + b^2 = c^2$, the quadratic formula $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$, the area of a circle $A = \pi r^2$, and the volume of a sphere $V = \frac{4}{3}\pi r^3$. Geometric shapes like a spiral, a Venn diagram, and a right triangle are also present. Mathematical constants like e and ϕ are scattered throughout. The overall theme is mathematics and science.

Quand | When
27 nov. 2025
10h00 – 14h00

Nov 27. 2025
10:00 AM – 02:0 PM

Lieu | Location
GERAD (4488)

Organisatrices | Organizers



Melina Asadi
HEC Montréal
(supervisée par | supervised by
Georges Zaccour)

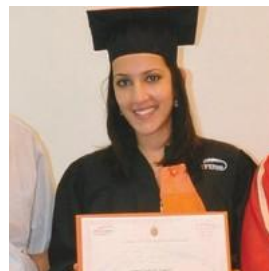


Karine Hébert
GERAD

Jury



Mohamad Aziz
Polytechnique Montréal



Olfa Ben Yahia
Polytechnique Montréal



Maryam Daryalal
HEC Montréal



Linyun He
HEC Montréal



Yuanyuan Li
HEC Montréal



Mouad Sidki
UQTR

Session 1

Salle | Room: 4488
Présidée par | Chaired by: Karine Hébert, GERAD

10h00 **Mot de Bienvenue | Welcome address**

Karine Hébert, GERAD
Mélina Asadi, HEC Montréal

10h10 **How Advances in Hub Location Will Impact Your Daily Life**

Ziyuan Sun, Université Concordia | Concordia University (Claudio Contardo, Jean-François Cordeau & Tommaso Schettini)

Pricing and CRM Expenditures in Digital Platforms

Melina Asadi, HEC Montréal (Georges Zaccour)

The Hidden Enemies of Sustainability: How Corruption and Lobbying Undermine Environmental Policies

Lisa Frolich, HEC Montréal (Georges Zaccour)

Planning and Learning in Average Risk-aware MDPs

Weikai Wang, HEC Montréal (Erick Delage)

Optimizing Municipal Solid Waste Collection: Extensions for the Mixed Capacitated Arc Routing Problem

Juan Sebastian Riveros, HEC Montréal (Jean-François Cordeau & Jorge Mendoza)

Optimization of Long Term Planning in Mining Operations

Venkat Akhil Ankem, Polytechnique Montréal (Guy Desaulniers & Michel Gamache)

A branch and Price Method for Multiple Depot Bus Scheduling Problem

Nadia Rasouli, Polytechnique Montréal (Guy Desaulniers)

Designing a Real-Time Multimodal Mobility Hub System

Ali Akbar Sadat Asl, Polytechnique Montréal (Antoine Legrain)

Mitigating Large Scale Data Latency for Combinatorial Optimization Using Machine Learning

Tava Varol, HEC Montréal (Okan Arslan)

11h00 **Pause**

Salle | Room: 4511

Session 2

Salle | Room: 4488

Présidée par | Chaired by: Karine Hébert, GERAD

11h15

Robust Pathways to Hydrogen Integration: Leveraging ETEM Framework

Sara Ghaboulian Zare, Université de Montréal | University of Montréal (Olivier Bahn, Normand Mousseau & Martin Trépanier)

Pathways to a Resilient Net-Zero Climate Regime: An Integrated Assessment of Climate Strategies

Kamyar Amirmoeini, HEC Montréal (Olivier Bahn & Pierre-Olivier Pineau)

Electric Vehicle Charging Planning

Shamim Mahmoudzadeh Vaziri, Polytechnique Montréal (Samira Keivanpour & Martin Trépanier)

Distributed Wireless Networking: The Last Barrier to Fully Distributed Systems

Reza Khalvandi, Polytechnique Montréal (Brunilde Sansò)

12h00 /

12h15

Lunch & Délibérations | Deliberations

Salle | Room: 4511

14h

Prix | Award

Salle | Room: 4488