

Exploiter l'IA pour accélérer la découverte de nouveaux matériaux et molécules

Harnessing AI for the Accelerated Discovery of New Materials and Molecules



en partenariat avec



16 avril 2024/ April 16, 2024

Campus MIL
(Université de Montréal)

Public: Général et invités
Audience: General & guests

	Activité/ Event	Salle/ Room
8:00- 8:45 AM	Inscription et café/ Registration and coffee	B-1007.1
8:45- 9:00 AM	IVADO: Shifting paradigms for a robust, reasoning and responsible AI and its adoption Luc Vinet	A-4502.1
9:00- 9:15 AM	Introducing Acceleration Consortium Alàn Aspuru-Guzik/ Sean Caffrey	A-4502.1
9:15- 9:30 AM	Introducing Institut Courtois Delphine Bouilly	A-4502.1
9:30- 9:45 AM	Introducing Mila Yoshua Bengio	A-4502.1
9:45- 10:00 AM	IRIC – Drug Discovery Unit: Path to Drug Discovery, Present and Future Sébastien Lemieux & Ed Ruediger	A-4502.1
10:00- 10:30 AM	Pause/ Break	A-450
10:30-10:45 AM	AI/Automation Self-Driving Lab (SDL 0) Mehrad Ansari & Kourosh Darvish (Acceleration Consortium)	A-4502.1
10:45- 11:00 AM	Inorganic Self-Driving Lab (SDL 1) Ali Shayestah (Acceleration Consortium)	A-4502.1
11:00-11:15 AM	Organic Self-driving Lab (SDL 2) Han Hao & Yang Cao (Acceleration Consortium)	A-4502.1
11:15-11:30 AM	Formulations Self-Driving Lab (SDL 5) Jeff Watchorn & Frantz Le Dévédec (Acceleration Consortium)	A-4502.1
11:30- 11:45 AM	Human Organ Mimicry Self-Driving Lab (SDL 6) Ilya Yakavets & Yimu Zhao (Acceleration Consortium)	A-4502.1
11:45 AM - 12:00 PM	Oleksandr Voznyy (Acceleration Consortium)	A-4502.1
12:00- 1:15 PM	Dîner/ Lunch	B-1007.1 & B-2061

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	Activité/ Event	Salle/ Room
1:15- 1:30 PM	Yoshua Bengio (Mila, IVADO)	A-4502.1
1:30- 1:45 PM	Glen Berseth (Mila, Institut Courtois, IVADO-R6)	A-4502.1
1:45- 2:00 PM	Crystal-GFN: A generative model to discover crystal structures with desirable properties and constraints Alex Hernandez-Garcia (Mila)	A-4502.1
2:00- 2:15 PM	Yves Brun (UdeM, IVADO-R6)	A-4502.1
2:15- 2:30 PM	Giovanni Beltrame (Polytechnique)	A-4502.1
2:30- 2:45 PM	Stuart Miller (Materials Discovery Research Institute at UL Research Institutes, USA)	A-4502.1
2:45- 3:30 PM	Pause/ Break	B-1007.1
3:30- 3:45 PM	Materials for photonics Carlos Silva (Institut Courtois, IVADO-R6)	A-4502.1
3:45- 4:00 PM	How to find structures with desired properties... Andrea Bianchi (Institut Courtois, IVADO-R6)	A-4502.1
4:00- 4:15 PM	Rational design of materials for guiding the automation of sustainable devices William Skene (Institut Courtois)	A-4502.1
4:15- 4:30 PM	Hélène Lebel (Institut Courtois)	A-4502.1
4:30-4:45 PM	Structure-Based Diversity Enrichment of IRIC's Screening Collection using AI assisted De Novo Design Eric Jolicoeur (IRIC)	A-4502.1
4:45- 5:00 PM	Exploring Chemical and Biological Space Through DNA-Encoded Library (DEL) Technology Julien Poupart (IRIC)	A-4502.1
5:00- 5:15 PM	Computer-assisted Drug Design at IRIC: Current Capabilities and Future Directions Doris Schüetz (IRIC)	A-4502.1

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16 avril 2024/ April 16, 2024*

Public: Invités seulement
Audience: Guests only

	Activité/ Event	Lieu/ Location
7:00- 9:00 PM	Souper de réseautage/ Networking Dinner	To be confirmed

17 avril 2024/ April 17, 2024*

Campus MIL
(Université de Montréal)

Public: Invités seulement
Audience: Guests only

	Activité/ Event	Salle/ Room
8:00- 9:00 AM	Discussion: CFI	B-2061
9:00-9:30 AM	Discussion: IVADO R6 and Acceleration Consortium	B-2061
9:30- 10:30 AM	Discussion: What can AI and Automation do for your research?	B-2061
	Discussion: What does the ecosystem need to support this transformation?	B-2482
10:30-11:00 AM	Pause/ Break	B-2061
11:00 AM - 12:15 PM	Plan de match/ Next steps	B-2061
12:15- 12:30 PM	Mot de la fin/ Closing Remarks	B-2061
1:00- 2:30 PM	Dîner de clôture/ Farewell Lunch	Baristello

* Seules les personnes sur la liste d'invités pourront assister au souper de réseautage et à la journée d'atelier du 17 avril.

* Only people on the guest list will be able to attend the networking dinner on April 16 and the full day of workshop on April 17.