

Mila TechAIDE AI Conference

benefiting Centraide of Greater Montreal

April, 23 2021



9:00 to 10:30 AM

Block 1 →

9:00 AM	9:30 AM	9:35 AM
Opening — GatherTown	Welcome Note — Hugo Larochelle	Machine learning for drug discovery against infectious diseases — Yoshua Bengio
Coffee Area	Keynote Room	Keynote Room

10:30 to 11:30 AM

Block 2 →

10:30 AM			11:00 AM		
Jointly Learning Meanings and Groundings — Timothy J. O'Donnell	Probing human cognition through artificial intelligence — Karim Jerbi	Stochastic Edge Intelligence Hardware — Warren Gross	Challenges in Building Natural Language Interfaces — Siva Reddy	Brain-Computer Interfacing: challenges, next steps, and how AI can help — Guillaume Lajoie	Language Design, Compilation, and Hardware Synthesis for Machine Learning Acceleration — Christophe Dubach
Track 1	Track 2	Track 3	Track 1	Track 2	Track 3

11:30 AM to 1:00 PM

Break	Discussion Area
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1:00 to 2:30 PM

Block 3 →

1:00 PM			1:30 PM			2:00 PM		
Metrics and their variants and their use in RL — Prakash Panangaden	Halting Time is Predictable for Large Models: A Universality Property and Average-case Analysis — Courtney Paquette	Development of a computation platform for integrative data modeling in oncology — Martin Vallières	Learning as Control — Pierre-Luc Bacon	Differentiable Games in the Era of Machine Learning — Gauthier Gidel	Machine learning for Big Biomedical Data — Danilo Bzdok	Towards Lifelong Learning Systems — Sarath Chandar	From Generalization Guarantees to Learning Algorithms — Pascal Germain	Interactive learning in healthcare: Challenges and opportunities — Audrey Durand
Track 1	Track 2	Track 3	Track 1	Track 2	Track 3	Track 1	Track 2	Track 3

2:30 to 3:30 PM

Break	Discussion Area
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3:30 to 5:00 PM

Block 4 →

3:30 PM			4:00 PM			4:30 PM		
Vision and Language: Progress and Challenges — Aishwarya Agrawal	Efficient Learning and Optimization from Sparse Feedback — Christian Gagné	Mitigating Algorithmic Discrimination in Machine Learning — Golnoosh Farnadi	Differentiable Physics: computer graphics as an inductive bias — Derek Nowrouzezahrai	Equivariant Networks for Compositions and Hierarchies — Siamak Ravanbakhsh	Putting AI ethics into practice — Ajung Moon	Strong Gravitational Lensing and Machine Learning in the Era of Large Sky Surveys — Laurence Perreault Levasseur	Deep diffusion geometry: incorporating data geometry in deep representation learning — Guy Wolf	Tackling Climate Change with Machine Learning — David Rolnick
Track 1	Track 2	Track 3	Track 1	Track 2	Track 3	Track 1	Track 2	Track 3

5:00 PM

End of Event	Discussion Area
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