

NEW PROFESSORS*

Professor	Affiliations	Research Interests
Aaron Courville	UdeM	<ul style="list-style-type: none"> ● Computer vision ● DL ● GANs ● Generative models ● Multi-modal learning ● NLP ● Probabilistic models
Aishwarya Agrawal* (August 2020)	UdeM	<ul style="list-style-type: none"> ● Computer vision ● DL ● NLP
Blake Richards	McGill	<ul style="list-style-type: none"> ● DL+neuroscience ● Neural data analysis ● RL
Christopher Pal	Polytechnique / UdeM	<ul style="list-style-type: none"> ● Causality ● Computational photography ● Computer vision ● DL ● NLP ● Probabilistic models
Danny Tarlow	Google Brain / McGill	<ul style="list-style-type: none"> ● Learning to program ● Probabilistic models
Devon Hjelm	Microsoft Research / UdeM	<ul style="list-style-type: none"> ● Information theory ● NLP ● RL
Doina Precup	McGill	<ul style="list-style-type: none"> ● Medical ML ● Reasoning ● RL
Fernando Diaz	Microsoft Research	<ul style="list-style-type: none"> ● Information retrieval
Geoffrey Gordon	Microsoft Research / McGill	<ul style="list-style-type: none"> ● Optimization ● RL ● Spectral learning
Guillaume Rabusseau	UdeM	<ul style="list-style-type: none"> ● Tensor factorization
Hugo Larochelle	Google Brain / UdeM	<ul style="list-style-type: none"> ● Computer vision ● DL ● NLP

Ioannis Mitliagkas	UdeM	<ul style="list-style-type: none"> • Continuous optimization • Distributed systems • DL • GANs • Generative models • ML theory • Optimization
Irina Rish	UdeM	<ul style="list-style-type: none"> • DL • DL+neuroscience • Medical ML • Neural data analysis • NLP • RL • Probabilistic models
Jackie Cheung	McGill	<ul style="list-style-type: none"> • NLP
Jian Tang	HEC / UdeM	<ul style="list-style-type: none"> • GANs • Graph neural networks • Interconnected data analysis • Learning on graphs • Molecular modeling
Joelle Pineau	McGill	<ul style="list-style-type: none"> • DL • medical ML • RL • Robotics
Laurent Charlin	HEC / UdeM	<ul style="list-style-type: none"> • DL • Generative models • NLP • Probabilistic models • Recommender systems • RL
Marc G. Bellemare	Google Brain / McGill	<ul style="list-style-type: none"> • DL • Generative models • Information theory • Online learning • RL
Nicolas Le Roux	Google Brain / McGill / UdeM	<ul style="list-style-type: none"> • Computer vision • DL • Optimization
Pascal Vincent	UdeM	<ul style="list-style-type: none"> • DL • Generative models • Medical ML
Pierre-Luc Bacon	UdeM	<ul style="list-style-type: none"> • RL

Prakash Panangaden	McGill	<ul style="list-style-type: none"> ● ML theory ● Quantum information theory ● Semantics and logics for probabilistic systems and languages
Reihaneh Rabbany	McGill	<ul style="list-style-type: none"> ● Interconnected data analysis
Sarath Chandar	Polytechnique	<ul style="list-style-type: none"> ● DL ● NLP
Siamak Ravanbakhsh	McGill	<ul style="list-style-type: none"> ● Deep Learning ● Probabilistic Models ● Learning on Graphs ● Generative Models ● Invariant and Equivariant Representation Learning ● ML for Physics and Cosmology
Simon Lacoste-Julien	UdeM	<ul style="list-style-type: none"> ● Causality ● Computer vision ● Continuous optimization ● DL ● GANs ● Generative models ● ML theory ● NLP ● Optimization
Siva Reddy	McGill	<ul style="list-style-type: none"> ● NLP ● Reasoning
William L. Hamilton	McGill	<ul style="list-style-type: none"> ● DL ● Interconnected data analysis ● Learning on graphs ● NLP
Yoshua Bengio	UdeM	<ul style="list-style-type: none"> ● Causality ● Climate change ● DL ● DL+neuroscience ● Dynamical systems ● GANs ● Generative models ● Graph neural networks ● Learning on graphs ● Medical ML ● Molecular modeling ● NLP ● Recurrent neural networks ● RL

Last update: December 9, 2019