

Deep Learning + Reinforcement Learning Summer School

WHERE THE WORLD COMES TO LEARN AI

JULY 8 -17, 2024 | TORONTO, ONTARIO, CANADA

REGISTRATION CLOSED ON APRIL 14, 2024

- Lectures and networking opportunities with world-class AI researchers
- Connect with talented researchers from across the globe and dozens of leading industries
- Discover the latest advances in deep learning and reinforcement learning

AGENDA 2024

SPEAKERS

Monday, July 8, 2024

Registration Opens 12:00 PM - 1:30
& Welcome Lunch PM
sponsored by RBC

Opening Remarks 1:30 PM - 2:00
PM

Graham
Taylor
Elissa
STROME
Tony
Gaffney

Intro to Neural Networks	2:00 PM - 3:15 PM	Sarath Chandar
Coffee Break sponsored by RBC	3:15 PM - 3:30 PM	
AI for Science	3:30 PM - 4:30 PM	Sara Beery
MILA Social Event	5:00 PM - 8:00 PM	Join us for an afternoon of bowling fun in the city at The Ballroom Bowl (https://www.theballroom.ca/)

Tuesday, July 9, 2024

Breakfast	8:30 AM - 9:30 AM	
Introduction to RL (part 1)	9:30 AM - 10:30 AM	A. Rupam Mahmood
Coffee Break	10:30 AM - 11:00 AM	
Introduction to RL (part 2)	11:00 AM - 12:00 PM	Kelsey Allen
Lunch sponsored by Roche	12:00 PM - 1:00 PM	
Introduction to NLP	1:00 PM - 2:00 PM	Victor Zhong
Stretch Break	2:00 PM - 2:30 PM	
Graph Neural Networks	2:30 PM - 3:30 PM	Renjie Liao
Coffee Break	3:30 PM - 4:00 PM	

Panel on AI Safety	4:00 PM - 5:00 PM	MC Joshua August Skorburg Panelis: Sheila McIlraith, Roger Grosse, Joanna Redden	Sheila McIlraith Roger Grosse Joanna Redden Gus Skorburg
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Wednesday, July 10, 2024

Breakfast	8:30 AM - 9:30 AM		
Generative Vision	9:30 AM - 10:30 AM		David Fleet
Coffee Break	10:30 AM - 11:00 AM		
RL and Games	11:00 AM - 12:00 PM		Marlos C. Machado
Lunch sponsored by OPG and Poster Presentations 1	12:00 PM - 2:00 PM		
Indigenous Cultural Safety Training	2:00 PM - 3:30 PM		
Coffee Break	3:30 PM - 4:00 PM		
Robotics	4:00 PM - 5:00 PM		Florian Shkurti
Career Mixer	5:30 PM - 7:30 PM	Come and network at Mars Discovery District (https://www.marsdd.com/)	

Thursday, July 11, 2024

Breakfast	8:30 AM - 9:30 AM		
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Climate change & AI	9:30 AM - 10:30 AM	Sasha Luccioni
Coffee Break	10:30 AM - 11:00 AM	
Language and vision in 3D	11:00 AM - 12:00 PM	Angel Chang
Lunch and Poster Presentations 2	12:00 PM - 2:00 PM	
Optimization	2:00 PM - 3:00 PM	Courtney Paquette
Coffee Break	3:00 PM - 3:30 PM	
Self-Driving Lab	3:30 PM - 4:30 PM	Alan Aspuru-Guzik

Friday, July 12, 2024

Breakfast	8:30 AM - 9:30 AM	
Causality	9:30 AM - 10:30 AM	Rahul Krishnan
Coffee Break	10:30 AM - 11:00 AM	
Economics of AI	11:00 AM - 12:00 PM	Joshua Gans
Lunch and Poster Presentations 3	12:00 PM - 2:00 PM	
Music and AI-Interactive Activity	2:00 PM - 3:30 PM	Pablo Samuel Castro
Coffee Break	3:30 PM - 4:00 PM	

AI Ethics	4:00 PM - 5:00 PM	Regina Rini
Saturday, July 13, 2024		
Meet Up	6:00 PM	Meet out front of Vector Office travel to Stadium
Vector Social (Toronto FC Game) at BMO Field	7:30 PM	Kick Off Toronto FC vs Philadelphia (soccer/football) at the BMO Field (https://www.bmofield.com/)
Sunday, July 14, 2024		
Day for students to explore Toronto		
Monday, July 15, 2024		
Breakfast	8:30 AM - 9:30 AM	
AI for Health	9:30 AM - 10:30 AM	Anna Goldenberg
Coffee Break	10:30 AM - 11:00 AM	
Game-theoretic aspects of ML	11:00 AM - 12:00 PM	Nisarg Shah
Vector Tour & Lunch sponsored by TD	12:00 PM - 2:00 PM	
Healthcare AI	2:00 PM - 3:30 PM	Michael Brudno
Coffee Break & Networking	3:30 PM - 4:00 PM	
Tuesday, July 16, 2024		
Breakfast	8:00 AM - 9:00 AM	

AI Alignment	9:00 AM - 10:00 AM	David Duvenaud
Coffee Break	10:00 AM - 10:30 AM	
Breakout discussion sessions	10:30 AM - 12:00 PM	
Lunch sponsored by MDA	12:00 PM - 1:00 PM	
Socially Aware NLP	1:00 PM - 2:00 PM	Diyi Yang
Stretch Break	2:00 PM - 2:30 PM	
Prompt Engineering Workshop	2:30 PM - 3:30 PM	David Emerson
Coffee Break & Networking	3:30 PM - 4:00 PM	
CIFAR 20th Anniversary Celebration sponsored by Radical Ventures	5:00 PM - 7:30 PM	Come celebrate with us at MaRS Discovery District (https://www.marsdd.com/)
Wednesday, July 17, 2024		
Breakfast	8:30 AM - 9:30 AM	
Privacy	9:30 AM - 10:30 AM	Xiaoxiao Li
Coffee Break sponsored by Telus	10:30 AM - 11:00 AM	
RL	11:00 AM - 12:00 PM	Audrey Durand

Telus - Closing	12:00 PM - 2:00
Remarks & Vector	PM
Faculty Mixer Lunch	

Time Zone: (UTC-04:00) Eastern Time (US & Canada) [Change Time Zone]

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#DLRL #AI4Good #DeepLearning

Contact us (<mailto:dlrl2024@vectorinstitute.ai>)?

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