

uOttawa Summer School - Tentative program

Mini-courses:

AI4Science	Artificial Intelligence for Science
MolDyn	Ultrafast Molecular Dynamics
ROM-UQ	Reduced Order Models for Uncertainty Quantification
EPR-Bell	Spooky Action at a Distance. Understanding the EPR paradox and Bell's Theorem

WEEK 1

Monday (Aug 12)

Tuesday (Aug 13)

Wednesday (Aug 14)

Thursday (Aug 15)

Friday (Aug 16)

9:30 – 10:45 STM 117 Registration	09:00 – 10:30 STM 201 AI4Science, Session 2	09:00 – 10:30 STM 201 MolDyn, Session 2	09:00 – 10:30 STM 201 AI4Science, Session 3	09:00 – 10:30 STM 201 MolDyn, Session 4
10:45 – 11:00 STM 201 Welcome, Augusto & Diane	10:30 – 11:00 STM 117 Coffee break	10:30 – 11:00 STM 117 Coffee break	10:30 – 11:00 STM 117 Coffee break	10:30 – 11:00 STM 117 Coffee break
11:00 – 12:30 STM 201 AI4Science, Session 1	11:00 – 12:30 STM 201 MolDyn, Session 1	11:00 – 12:30 STM 201 MolDyn, Session 3	11:00 – 12:30 STM 201 AI4Science, Section 4	11:00 – 12:30 STM 201 MolDyn, Session 5
12:30 – 14:30 STM 117 Lunch	12:30 – 14:30 STM 117 Lunch	12:30 – 14:30 STM 117 Lunch	12:30 – 14:30 STM 117 Lunch	12:30 – 14:30 STM 117 Lunch
14:30 – 16:00 STEM 201 Ebrahim Karimi	14:30 – 16:00 STEM 201 AI4Science hand-on section I	14:30 – 16:00 STEM 201 Vincent Tabard-Cossa	14:30 – 16:00 STEM 201 Daniel Nino, Xanadu	14:30 – 16:00 Streaming Catalina Albornoz, Xanadu

Afternoons

Evenings

TBA

TBA

Short-talks

E. Karimi	Structured Quantum Waves
V. Tabard-Cossa	Nanopores: a transforming technology for genomics and proteomics
D. Nino	Practical quantum computing with PennyLane (part I)
C. Albornoz	Practical quantum computing with PennyLane (part II)

WEEK 2

Monday (Aug 19)

Tuesday (Aug 20)

Wednesday (Aug 21)

Thursday (Aug 22)

Friday (Aug 23)

Mornings	09:00 – 10:30 STM 201 ROM-UQ, Session 1	09:00 – 10:30 STM 201 AI4Science, Session 5	09:00 – 10:30 STM 201 ROM-UQ, Session 2	09:00 – 10:30 STM 201 EPR-Bell, Session 3	09:00 – 10:30 STM 201 EPR-Bell, Session 4
	10:30 – 11:00 STM 117 Coffee break	10:30 – 11:00 STM 117 Coffee break	10:30 – 11:00 STM 117 Coffee break	10:30 – 11:00 STM 117 Coffee break	10:30 – 11:00 STM 117 Coffee break
	11:00 – 12:30 STM 201 EPR-Bell, Session 1	11:00 – 12:30 STM 201 AI4Science, Session 6	11:00 – 12:30 STM 201 EPR-Bell, Session 2	11:00 – 12:30 STM 201 ROM-UQ, Session 3	11:00 – 12:30 STM 201 ROM-UQ, Session 4
	12:30 – 14:30 STM 117 Lunch	12:30 – 14:30 STM 117 Lunch	12:30 – 14:30 STM 117 Lunch	12:30 – 14:30 STM 117 Lunch	12:30 – 14:30 STM 117 Lunch, closing
Afternoons	14:30 – 16:00 STEM 201 Workshop moderated by Jaclyn Brusso, Vice Dean of Faculty Affairs & Inclusive Excellence	14:30 – 16:00 STEM 201 Adam Damry	14:30 – 16:00 STEM 201 Frithjof Lutscher	14:30 – 16:00 STEM 201 Kyle Briggs and Vincent Tabard- Cossa	
	16:30-18:00 STEM 201 AI4Science hand-on section II	TBA		18:00 – 21:00 TBA Social dinner	
Evenings					

Short-talks**J. Brusso (Moderator)**

Fostering an inclusive mindset and infusing a welcoming and supportive atmosphere into the Faculty of Science

A. Damry

Synthetic Biology – Life in Data

F. Lutscher

Mathematics for invasive species

Briggs & Tabard-Cossa

From Lab to Market: Commercializing Deep Tech in Canada