

TUESDAY, JUNE 2 / MARDI 2 JUIN 2026

## 26<sup>th</sup> Annual Physics Teachers Day

### 26<sup>e</sup> Journée annuelle des enseignants de physique

<p>On Tuesday, June 2<sup>nd</sup>, high school and CEGEP science teachers will take part in the CAP 26<sup>th</sup> annual Physics Teachers Day at the University of Ottawa as part of the CAP's 2026 Congress. This event is sponsored by the University of Ottawa Physics Department, the Carleton University Physics Department, the Perimeter Institute and the MaQTech NSERC Program.</p>	<p>Le mardi 2 juin les enseignants en sciences de la région participeront à la 26<sup>e</sup> journée annuelle des enseignants de physique du Congrès 2026 de l'ACP à l'Université d'Ottawa. Cet événement est parrainé par le département de physique de l'Université d'Ottawa, le département de physique de l'Université de Carleton, le <i>Perimeter Institute</i> et le programme NSERC MaQTech.</p>
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Time	Location	Activity
8:15 am	STM 117	Meet and Greet, Coffee, and Registration
8:45 am	STM 117	Welcome and Introduction
9:00 am	STM 117	Ashley McCarl Palmer, Perimeter Institute: Quantum Hype: Explore a classroom activity that introduces fundamental quantum concepts, like entanglement and superposition. These concepts are then used to evaluate various products that claim to be quantum.
10:00 am	STM 117	Coffee Break
10:30 am	STM 117	Stefanie Czischek, uOttawa: Artificial Intelligence (AI): How it works, what it can do, where potential threads lie and how they can be prevented. Where AI is applied in Physics.
11:30 am	STM 117	Michael Wong, uOttawa & Jennifer Ogilvie, uOttawa: Physics undergraduate teaching lab tours + Lab activities on Interference and Diffraction: Explore how the wave properties of light can be used to reveal structure that is invisible to the human eye.
12:30 pm	STM 117	Lunch and Physics Outreach Discussion – Combined with: Andrzej Czajkowski, uOttawa: Teacher's Symposium: High School teachers present their work, share their experiences and/or new approaches and methods.
1:30 pm	STM 117	Tasha Richardson, 2024 - CAP Award for Excellence in Teaching High School/CEGEP Physics (Ontario), Ontario Science Centre Science School, CAP High School Physics Teaching Award Talk & Participation Certificates given out.
2:30 pm	STM 117	Coffee Break
3:00 pm	STM 117	Dave Fish, Perimeter Institute: Wave-Particle Duality activity: Participants will explore a classroom activity that uses an electron

		double slit experiment to introduce wave-particle duality. The duality is then used to solve problems like resolving power and the shape of electron orbitals.
4:00 pm	--	Move to Public Lecture Room
4:30 pm	TBD	Public Lecture: Donna Strickland, Nobel Prize in Physics (2018), uWaterloo: The light fantastic: a lecture on recent advances in our ability to create, control and measure ultrafast laser pulses and their applications from fundamental physics to biomedical imaging.
5:30 pm	TBD	Public Lecture Reception (open to all)
<b>Dinner (Open only to CAP workshop attendees – Pre-Registration Required)</b>		
7:00 pm	TBD	Dinner and Networking