

Title: Opening Remarks

Speakers: Marcela Carena, Emily Petroff, Chris Waddell

Collection/Series: QIQG 2025

Subject: Quantum Gravity, Quantum Information

Date: June 23, 2025 - 9:30 AM

URL: <https://pirsa.org/25060001>

OPENING REMARKS & ANNOUNCEMENTS

QIQG 2025





In the spirit of understanding and learning from what has come before, Perimeter respectfully acknowledges that we are located on the traditional territory of the Attawandaron, Anishnaabeg, and Haudenosaunee peoples. Perimeter is situated on the Haldimand Tract, land promised to Six Nations, which includes six miles on each side of the Grand River.

As settlers, we thank all the generations of people who have taken care of this land for thousands of years. We are connected to our collective commitment to make the promise and the challenge of Truth and Reconciliation real in our communities.

Respectful Environment Code of Conduct

- Perimeter Institute is committed to creating and maintaining a physical and virtual environment that is free from unlawful harassment, violence and/or discrimination. PI supports a zero-tolerance policy with regards to workplace harassment, violence and/or discrimination.
- Visit Perimeter's website for more information

<https://perimeterinstitute.ca/respectful-environment-code-conduct>





Welcome to Perimeter!

25 YEARS

PI PERIMETER
INSTITUTE

Our Origins

Perimeter Institute was first envisioned by tech visionary Mike Lazaridis, founder of Research in Motion and creator of the Blackberry.

He understood the technology in his device was built upon a foundation rooted in advances in theoretical physics.

25 years ago he founded PI to bring together brilliant minds in a collaborative environment to spark groundbreaking discoveries.



Founding faculty

Perimeter started with forward-thinking faculty in **Quantum Gravity** and **Quantum Information**.

- Founding faculty members Lee Smolin and Rob Myers
- First Associate Faculty members Ray Laflamme and Michele Mosca



SPOTLIGHT

4 Research Symposia

Exploring the interplay between Theoretical physics, Quantum and AI and the past, present, and future of PI's success.

April: **Theory + AI** – A Look into the Future through the Lens of AI Research

June: **QIQG 2025 – Quantum Information and Quantum Gravity**

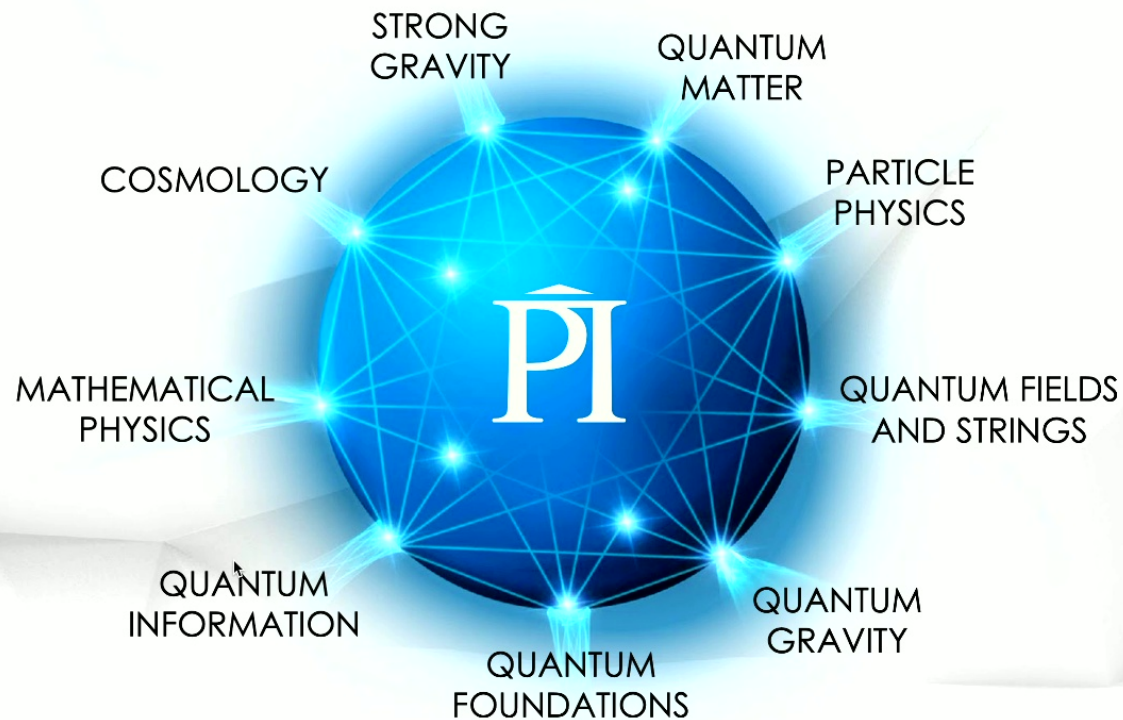
August: **Charting the Future – Cosmology, Particle Physics, and Strong Gravity**

October: **The Year of Quantum Across Canada** – From Fundamental Science to Application [PI – IQC Joint]

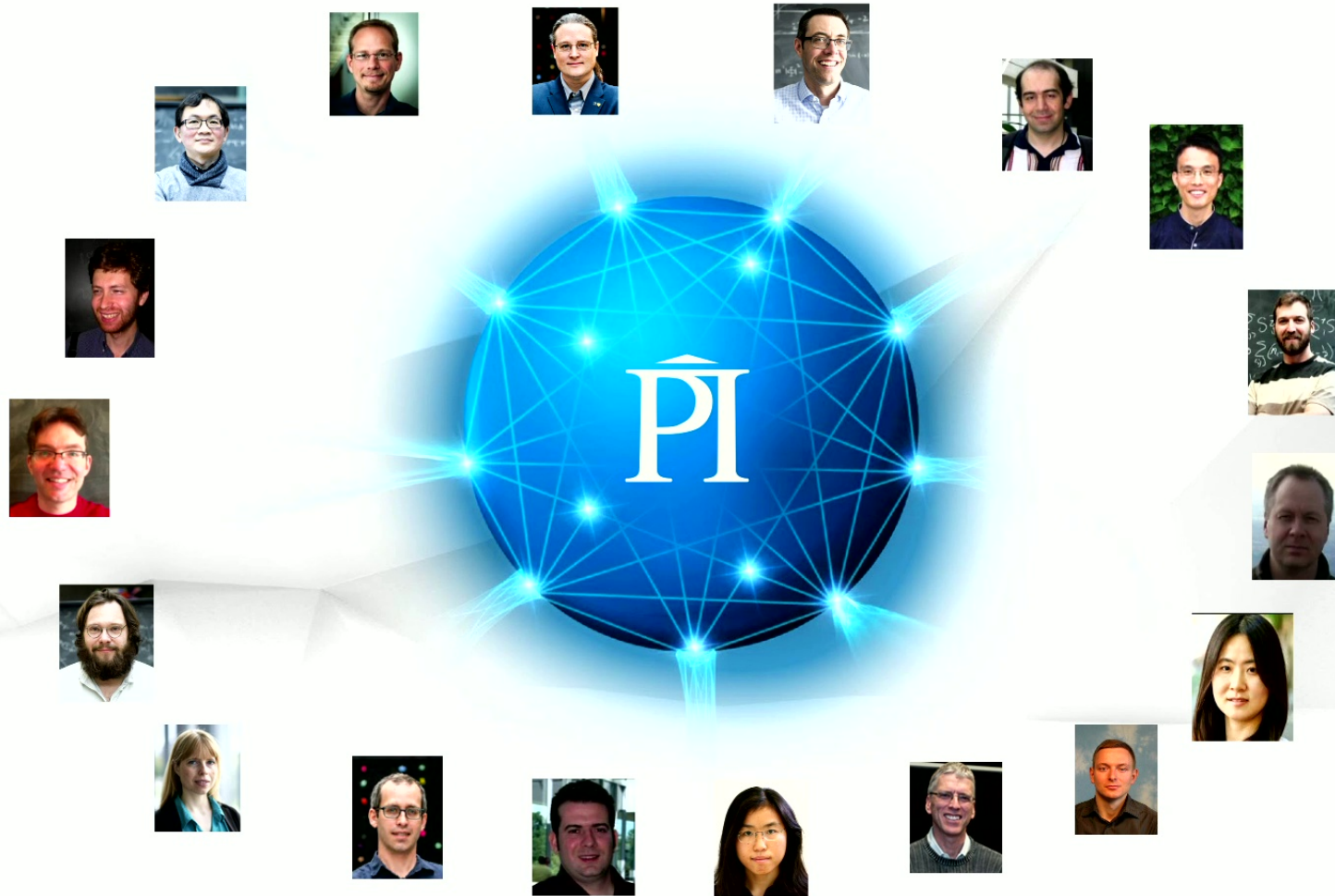


25 YEARS | **PI** We are Explorers.

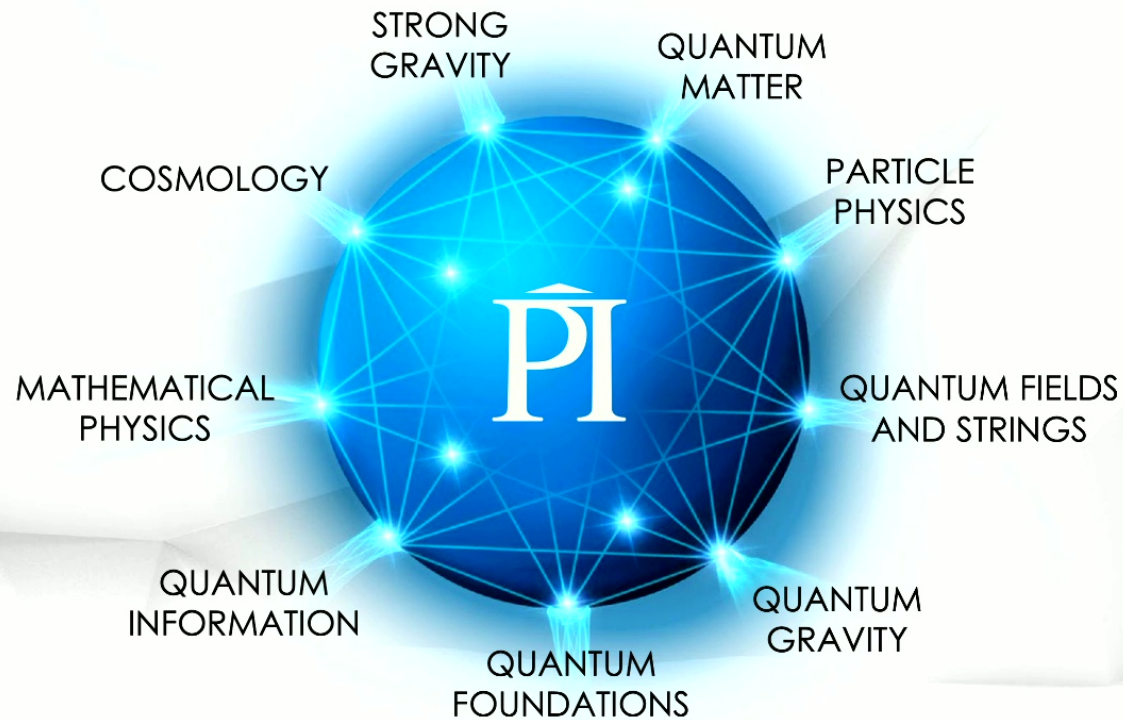
Perimeter Research Areas



Perimeter Associate Faculty



Perimeter Research Areas



Perimeter's Core Activities

RESEARCH

TRAINING

OUTREACH





Training

Perimeter attracts and develops the next generation of brilliant minds. From our world-leading PhD and postdoctoral programs to our undergraduate summer school and master's program, we are training tomorrow's leaders and innovators.

350+

Postdoctoral Fellows

300+

PhD students
from over 29 countries

420

PSI students
in 15 years



Thank You!

25 YEARS

PI PERIMETER
INSTITUTE



At Perimeter – Facilities

- Talks will take place here in the **Theatre**, and via Zoom with over 200 participants registered to attend virtually
 - Please use the upper entrance to the theater from the 2nd floor if you are arriving late
- Coffee breaks, today's welcome reception, and the poster session will take place in the main floor **Atrium**
- Lunches and the banquet will be in the main floor **Bistro**
- Washrooms are located through the glass door at the coffee station and at the main entrance of the theater
- Gender neutral washrooms are on the 2nd floor above the entrance hallway (use stairs/elevator by the bistro)

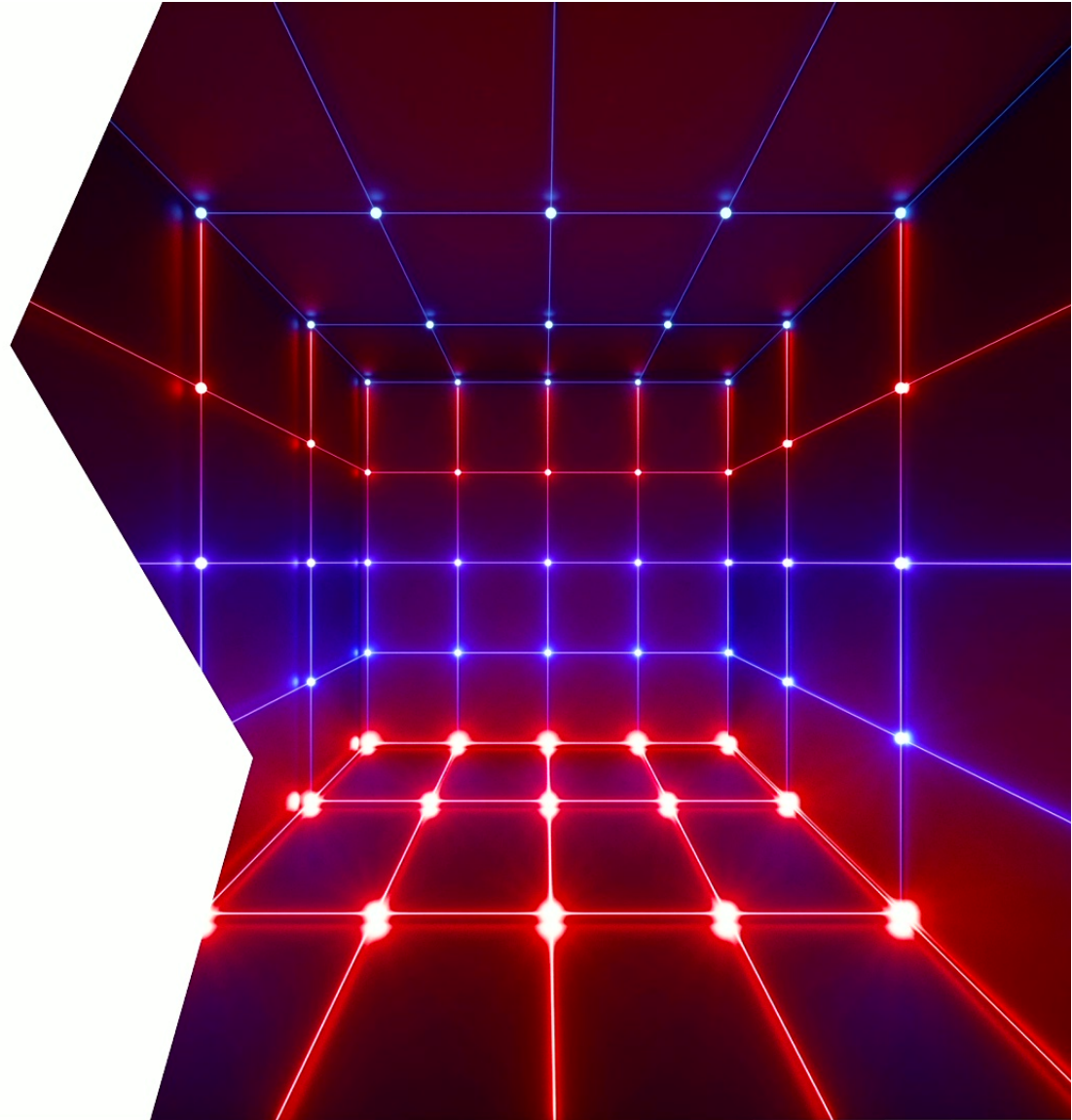
In the theatre

- **Lecturers – please stay in front of the blackboard and keep the podium on your left** so that our online audience can see you and hear you clearly
- **Q&A – Use the catchbox microphones** when asking questions so that everyone in the theatre and online can hear you clearly, and so the question is captured on the recording



Online Participants

- Use the **chat** module on Zoom to submit questions.
- To access **AI translated captions**, click the CC button and choose your preferred language.
- **Conference talks will be recorded and uploaded** to Perimeter's PIRSA.org archive.
- Presentation slides will be included as a PDF with the recording.



Events Overview

Today: **Welcome reception**

- Join us for light snacks in the **Atrium, 5:00 – 6:00 p.m.**

Tuesday: **Banquet**

- Taking place in the **Bistro, 6:00 – 9:00 p.m.**

Wednesday: **Public lecture**

- A public lecture from Netta Engelhardt will be livestreamed **7:00 – 9:00 p.m.** in the **Bistro** and **Time Room** (2nd floor) for conference participants

Thursday: **Movie night**

- We will be viewing *Arrival* at **6:00 – 9:00 p.m.** on the **Back Lawn** weather permitting, or in the **Theatre** otherwise
- Ice cream will be served in the Bistro



Posters

- Posters can be set up any time prior to the Wednesday poster session in any designated spot in the **Atrium**
- Poster presenters will each give a 1-minute summary of their work in our 'lightning talk' session (**Theatre, Wednesday 12:20 – 1:00 p.m.**)
 - Please submit your **single slide** via our website ("Poster Session" tab) by the **end of today**
- The poster session will follow (**Wednesday 2:30 – 4:30 p.m.**)
 - Poster judges will be circulating, so please stay beside your poster during the session
 - We will award a first prize of \$500, and two honorable mentions will receive \$275



Other Announcements

- Please join us in the **Atrium** right before lunch (~12:30 – 12:45) **today** for our conference group photo
- Drop by our pop-up video booth during the poster session (in the **Atrium**, **Wednesday 2:30 – 4:30 p.m.**) for a chance to earn some Perimeter swag



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THANK YOU

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