

Title: OPENING REMARKS

Speakers:

Series: Quantum Foundations, Quantum Information

Date: September 16, 2024 - 9:00 AM

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CAUSALWORLDS

at

PI PERIMETER  
INSTITUTE

2nd International Conference on Quantum, Classical, and Relativistic Causality

16-20 September 2024, Waterloo, ON, Canada

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# First Edition of Causalworlds

**ETH** zürich

ETH Zürich: 12th to 16th September 2022

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PAULI CENTER  
for Theoretical Studies





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.



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# At Perimeter

- Talks will take place in the theatre and Bob room with participants joining on Zoom and Discord.
- Use the upper entrance to the theater from the 2nd floor if you are arriving late.
- Coffee breaks will take place in the main floor Atrium.
- Lunch and banquet will be upstairs in the 2nd floor dining room (outside the upper theatre entrance).
- Washrooms are accessed through the glass door at the coffee station and at the main entrance of the theater.
- Gender neutral washrooms - 2nd floor, past the entrance to the dining room.

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# Online Participants

- Parallel Sessions (A & B) and the Colloquium will have different Zoom links than the primary conference link.
  - Zoom links were shared via email and on the conference website (accessible for registered participants only)
- Use the chat on Zoom to submit questions. Remaining questions can be shared on Discord.
- To access AI translated captions, click the CC button and choose your preferred language.
- Conference sessions will be recorded and uploaded to Perimeter's PIRSA.org archive.
  - Presentation slides and blackboard content will be included as a PDF with the recording.



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# In the theatre

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



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# Respectful Environment Code of Conduct

Visit Perimeter's website for more information.

[perimeterinstitute.ca/respectful-environment-code-conduct](https://perimeterinstitute.ca/respectful-environment-code-conduct)



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# Discord Server

Please join our Discord server at <https://discord.gg/6z8jmApy>

which will be the home of

- all important announcements
- discussions on the talks and posters
- the unconference topic proposals and organisation
- the virtual poster session (Wed)



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# Business Meeting

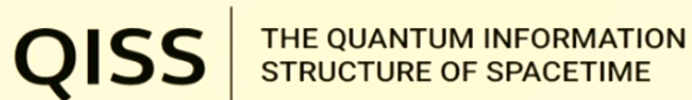
Discussion on the future of Causalworlds:

Thursday 5:15-6:15pm in the Theatre

Optional, for those interested – input and feedback from the community

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# Sponsors and Best Student Poster Prize



Entropy is sponsoring a prize of **\$200 for the best student poster!** Any poster (online or in-person) presented by a student (PhD level and below) is eligible.

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# Unconference (1/2)

- Sessions consist of discussions in small breakout groups, on topics proposed by the participants.
- Topics for discussion get proposed and voted on, and the schedule is made up on the spot from these suggestions.
- If you don't want to lead a discussion, you can ask one of the organisers to submit a topic anonymously on your behalf.

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# Unconference (2/2)

We will have two types of unconference sessions: (1) **academic** and (2) **science and society**.

Please think of one academic topic and/or one science and society topic that you would like to discuss and **submit it on the Discord unconference channel today!**

Example academic topics:

- What is the definition of causality?
- Is there indefinite causal order?
- How do we reconcile relativistic and information-theoretic notions of causality?

Example science and society topics:

- Topics relating to equity, diversity and inclusion in science
- Hiring procedures and immigration issues
- Science communication/teaching