

Title: Opening Remarks

Speakers: Sonya Gzyl, Timothy Hsieh

Collection/Series: Waterloo-Munich Joint Workshop

Subject: Quantum Information

Date: September 30, 2024 - 9:30 AM

URL: <https://pirsa.org/24090182>

WELCOME

WATERLOO-MUNICH JOINT WORKSHOP
SEPT 30-OCT 3, 2024

IMPRS
for Quantum Science
and Technology
INTERNATIONAL MAX PLANCK
RESEARCH SCHOOL



National Day of Truth and Reconciliation

September 30th is Canada's National Day of Truth and Reconciliation and Orange Shirt Day. The day is focused on honouring the countless Indigenous children who didn't make it home from Residential schools, and those that did. The orange shirt is a sign of commitment to reconciliation – you may see Canadians wearing orange today and taking time to learn more about our Indigenous populations and their history.



**Learn more about
Orange Shirt Day**



On this day, and 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

Visit Perimeter's website for more information or to report unacceptable behaviour.

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





At Perimeter

- Talks will take place in the Theatre and in our virtual space for participants joining on Zoom.
- 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 found 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.

Online Participants

- **Use the chat on Zoom to submit questions.**
- 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.

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.



Perimeter Institute

Research

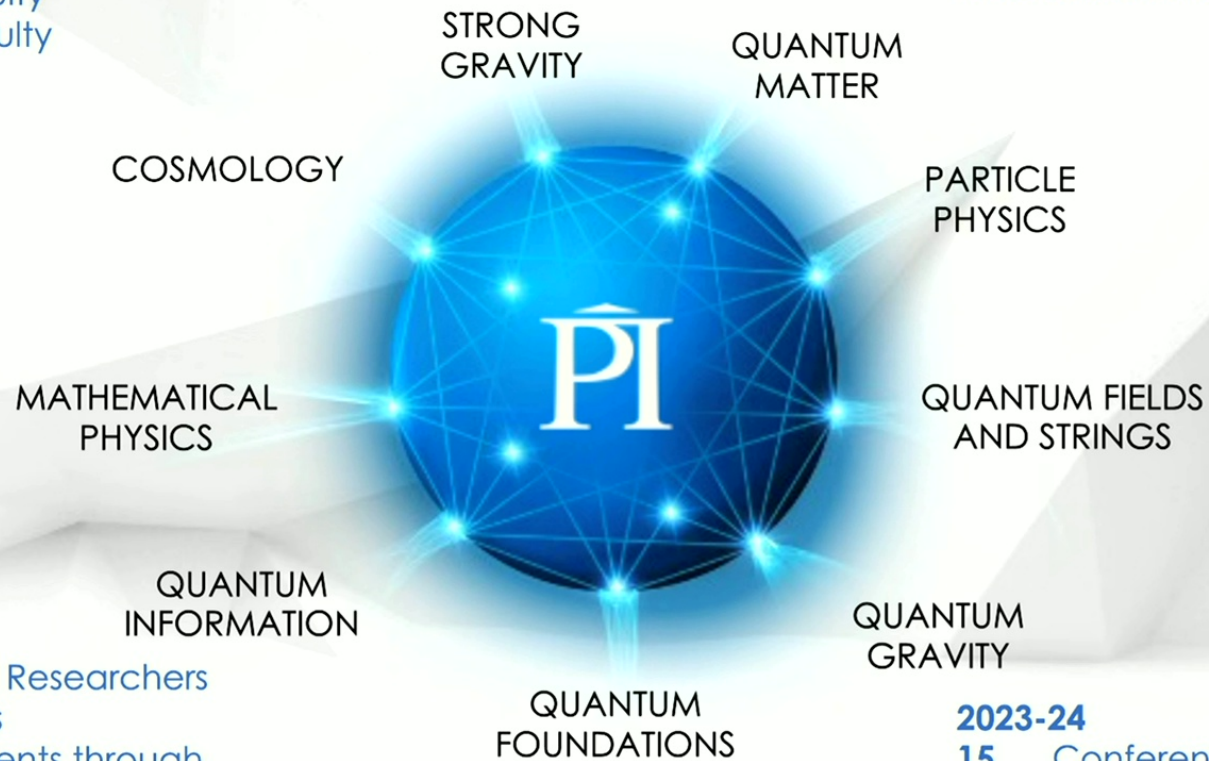
Training

Outreach



25 Full-time research faculty
21 Associate faculty (cross-appointed with partner universities)
3 Teaching faculty
1 Outreach faculty

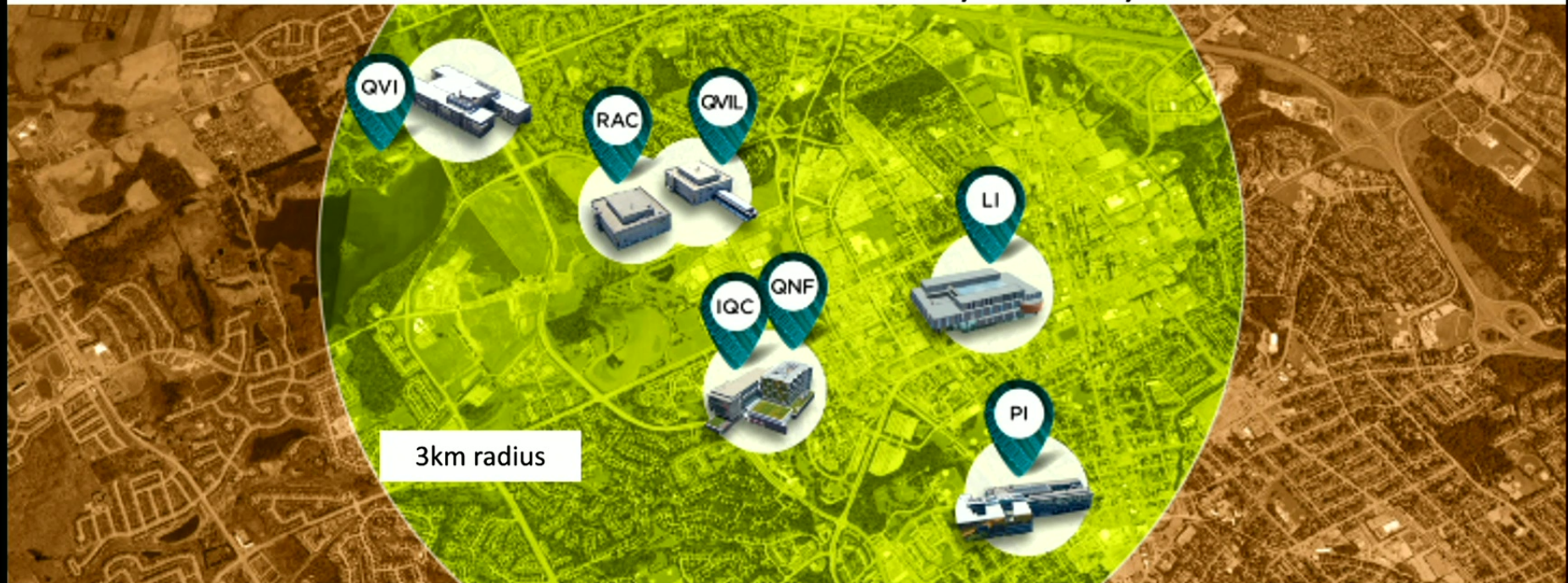
74 Visiting Fellows
44 Distinguished Visiting Research Chairs
99 Canadian Affiliates



58 Postdoctoral Researchers
63 PhD Students
25 Masters Students through Perimeter Scholars International (PSI)

2023-24
15 Conferences & Workshops
1,806 International visitors

Waterloo Quantum Valley Ecosystem



3km radius

- Quantum Valley Investments
- Research Acceleration Centre of Technology Enterprise
- Quantum Valley Ideas Lab
- Institute for Quantum Computing
- Quantum NanoFab
- Lazaridis Institute for Management
- Perimeter Institute for Theoretical Physics

Through visionary support of Mike Lazaridis (founder of RIM and Blackberry) PERIMETER INSTITUTE

Partnering Around the World



International Centre
for Theory of Quantum
Technologies



Event
Horizon
Telescope



LIGO
Scientific
Collaboration



ICTP
SAIFR



KAVLI
IPMU INSTITUTE FOR THE PHYSICS AND
MATHEMATICS OF THE UNIVERSE



chime



SISSA



CHORD
Telescope



AIMS African Institute for
Mathematical Sciences
NEXT EINSTEIN INITIATIVE



Radboud University

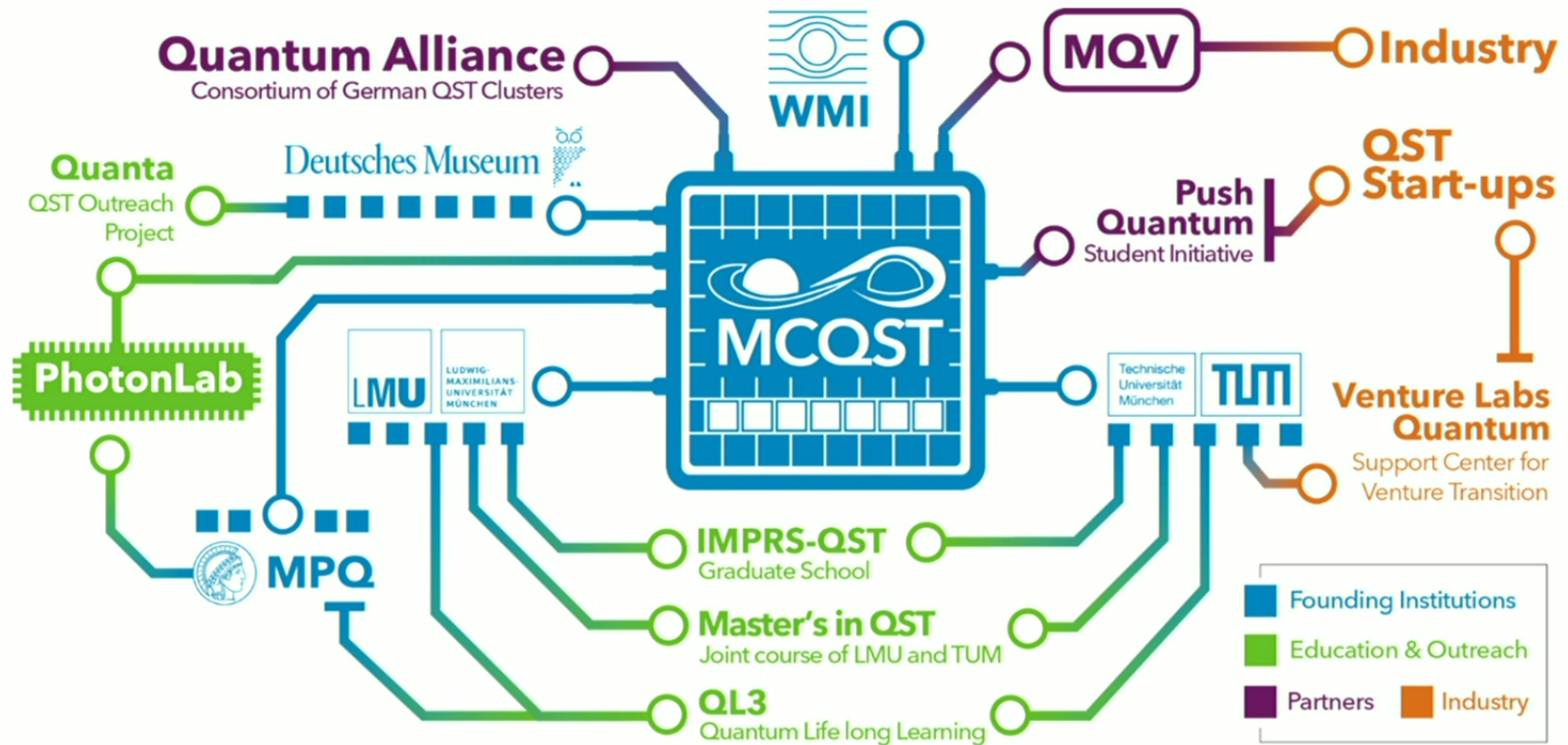


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PI PERIMETER
INSTITUTE

The Munich Quantum Ecosystem

An Overview



The Munich Quantum Ecosystem

Munich Center for Quantum Science and Technology (MCQST)

 **43M€**
Funding over 7 Years

27 ERC
Grants

 **>500**
Scientists

 **>1300**
Publications



The Munich Quantum Ecosystem

MCQST - support on all career levels

Bachelors: Summer Bachelor Program

Joint Master Program on QST

PhDs: QST Graduate Schools/ PhD Prize

Postdoc Fellowships & START

Postdocs/PIs:
Seed Funding / Instrumentation Funding

Guest & Conference Support

Monthly Colloquia

Diversity, Equity, and Inclusion



The Munich Quantum Ecosystem

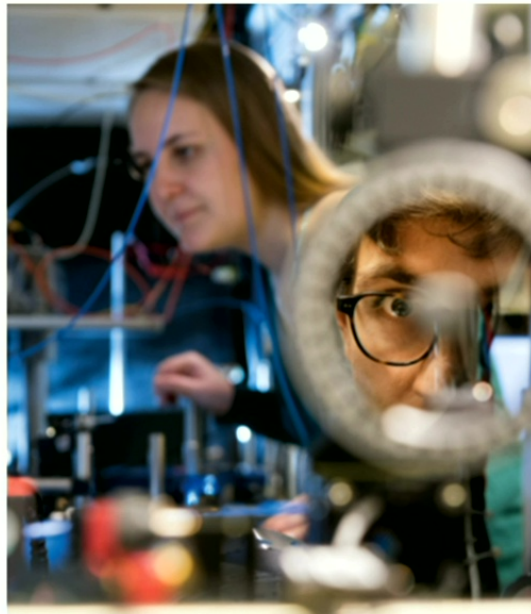
International Max Planck Research School (IMPRS-QST)

Structured education in QST

Soft skills courses, industry visits,
networking opportunities

Extensive cooperation with other
graduate programs

Strong student engagement



**130 Doctoral
student members**

45 Alumni

38 Associated PIs

