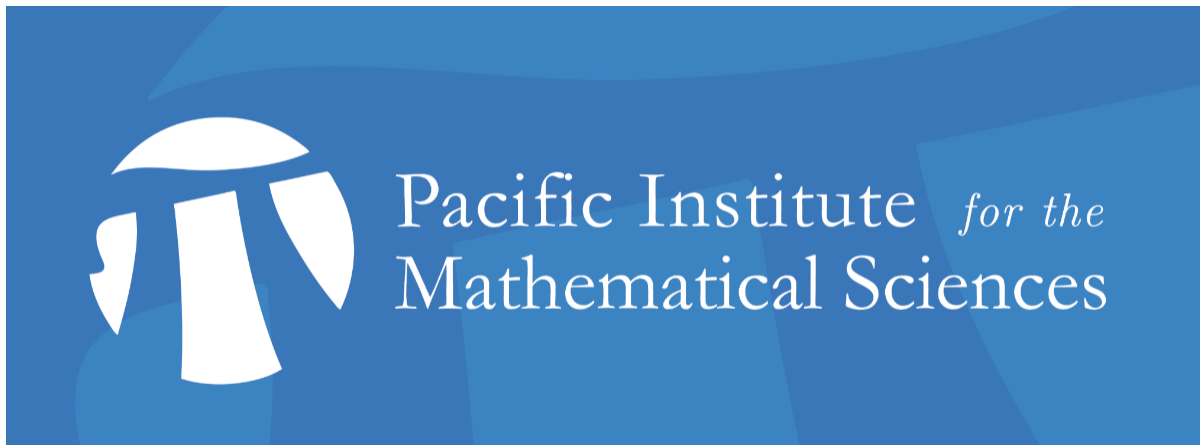PIMS MONTHLY CONNECTION | **May 2025**

Hello from PIMS

The May edition of the PIMS newsletter is here! Below, we have curated a list of events and meetings taking place at our member universities this month.

PIMS News:

- **Leadership Transition at PIMS: Dr. Kristine Bauer to Conclude Term as Co-Director, Industry**
- **Job Posting: Co-Director, Careers at the Pacific Institute for the Mathematical Sciences**
- **Darja Barr Awarded the 2025 PIMS Education Prize**

Upcoming Deadlines Across the Network:

- **Upcoming Deadline to Register: LG&TBQ2: Geometry, Topology, and Dynamics**
- **Upcoming Deadline to Register**: 2025 Diversity in Research Experiences Across Mathematics (DREAMs) Institute
- **Registration Now Open**: Math Summer School for Elementary School Teachers
- **Applications Closing Soon**: Submit 2025/26 PIMS Network-Wide Courses

Featured Events:

- **May 1st - 2nd**: Alberta Mathematics Dialogue (AMD) 2025
- **May 3rd**: ELMACON 2025
- **May 5th - 9th**: Spring Time in Mathematical Quantum Physics
- **May 10th**: Science Rendezvous 2025
- **May 10th - 11th**: Pacific Northwest Geometry Seminar
- **May 16th**: Changing the Culture 2025
- **May 20th - 23rd**: Canadian Discrete and Algorithmic Mathematics Conference (CanaDAM) 2025

Leadership Transition at PIMS: Dr. Kristine Bauer to Conclude Term as Co-Director, Industry

The Pacific Institute for the Mathematical Sciences (PIMS) would like to inform its community and partners that Dr. Kristine Bauer has decided not to seek renewal of her role as Co-Director, Industry, at the conclusion of her current term on June 30, 2025. Dr. Bauer has generously offered flexibility regarding the exact timing of her departure and will remain in her Co-Director role for a period beyond June 30 to support a smooth and effective transition in the months ahead.

Read the Full Announcement

JOB POSTING:

PIMS CO-DIRECTOR, CAREERS

SUBMIT BY MAY 24, 2025

Pacific Institute *for the* Mathematical Sciences

Job Posting: Co-Director, Careers at the Pacific Institute for the Mathematical Sciences

Applications are invited for the position of **Co-Director, Careers** at the Pacific Institute for the Mathematical Sciences (PIMS) for a term of up to five years. The start date is negotiable, but must be on or before **July 1, 2026**. The PIMS Board of Directors appoints two faculty members at PIMS Member Universities as Co-Directors as a result of a competitive search process. The PIMS Co-Directors will report to the PIMS Director, serve for up to 5 years and may be reappointed for at most one additional term of up to 5 years. **Applications may be submitted via MathJobs until May 24, 2025**.

Read the Full Posting

Darja Barr Awarded the 2025 PIMS Education Prize

Darja Barr, a senior mathematics instructor at the University of Manitoba, has been awarded the 2025 PIMS Education Prize for her outstanding contributions to math education. Darja will join PIMS at the Changing the Culture conference on May 16, 2025, where she will be presented with the award.

Read the Full Announcement

PIMS NETWORK DEADLINES

Upcoming Deadline to Register: LG&TBQ2: Geometry, Topology, and Dynamics

The LG&TBQ2 conference, held at McGill University from June 2 to 6, 2025, will celebrate LGBTQ mathematicians in geometry, topology, and dynamics. **LG&TBQ2: Geometry, Topology, and Dynamics** is a sequel to the conference LG&TBQ organized in 2019 at the University of Michigan. In addition to the plenary lectures, the conference will include contributed talks across three parallel sessions, as well as a session of lightning talks and a poster session. Highlights also include an open discussion on LGBTQ experiences in mathematics and a panel on non-academic career paths. The panel speakers are Elizabeth Goodman, Özge Samanci, and Carissa Slone. The event will be moderated by Talia Fernós. **Registration is still open for students, postdoctoral fellows, faculty members, and others.**

Upcoming Deadline to Register: 2025 Diversity in Research Experiences Across Mathematics (DREAMs) Institute

The PIMS Diversity in Research Experiences Across Mathematics (DREAMs) Institute is a three-week online summer enrichment program designed to provide high school students in their last year or two of studies an opportunity to explore mathematics at the University level. Participants will be introduced to four foundational areas of mathematics by guest lecturers during the first week and then work on inquiry based projects with the support of the lecturers and graduate teaching assistants. There is no cost to participate in the DREAMs Institute, but we do expect participants to commit to attending for the full duration of the program. **The deadline for Early-Bird consideration is May 2, 2025; the deadline for General consideration is on June 6, 2025**.

View Summer School Details

Registration Now Open: Math Summer School for Elementary School Teachers

The Pacific Institute for the Mathematical Sciences and the Departments of Mathematics at UBC and SFU will be offering a 4-week Math Summer School for Elementary School Teachers this summer. Participating teachers will have the opportunity to improve their mathematical

teaching, develop exemplary lessons that can be used by other teachers, and enhance their professional networks. The summer school will run from Monday, July 7th to Friday, August 1st, 2025. Teachers are expected to attend from 9 AM to 12:30 PM every weekday and to work on their own at home for another half an hour each day. They will be paid a $1,200 stipend upon completion of the program.

Registration is now open, please see the registration section below for more information. Applicants will be contacted directly about the status of their application.

View Summer School Details

Applications Closing Soon: 2025/26 PIMS Network-Wide Courses

PIMS would like to hear from instructors who wish to share their courses with participants at other PIMS universities. We invite proposals for graduate-level courses in the mathematical sciences to take place in either term of the **2025-2026 academic year**. Students in these courses may be eligible for credit under the terms of the Western Deans Agreement (though conditions apply). This program is intended to benefit instructors by reaching a larger audience and offering students a deeper variety of courses. If you are interested in participating as an instructor, **please complete the application form by May 1, 2025**.

View Application Details

Alberta Mathematics Dialogue (AMD) 2025

May 1 - 2, 2025: University of Calgary

The annual Alberta Mathematics Dialogue (AMD) is the largest annual meeting for professional mathematicians and mathematics educators in Alberta. Over two days, delegates will discuss current research, collaborate on open problems, exchange ideas on post-secondary education, and share educational resources. **The 2025 plenary speakers are:** *Stephanie van Willigenburg, University of British Columbia* (De-clawing graph theory), *Renate Scheidler, University of Calgary* (A journey of cryptography in class groups of quadratic fields), *Peter Gibson, University in Toronto* (The mathematical analysis of acoustic echos), and *Jim Stallard, University of Calgary* (Getting engaged – to what extent am I imploring?).

See Event Details

ELMACON 2025

May 3, 2025: University of British Columbia
10 AM - 4 PM PT

ELMACON is an annual math contest for students in grades 5, 6, and 7. Students tackle hard mathematical questions in a competitive environment to determine who will take home trophies and prizes. The contest is designed to be challenging but fun. It consists of two written rounds in the morning, followed by a head-to-head quick-fire round for the top students in the afternoon.

See Event Details

Physics

May 5 - 9, 2025: University of British Columbia

The Spring Time in Mathematical Quantum Physics workshop gathers leading experts and emerging researchers to explore analytical and topological aspects of many-body quantum mechanics. Discussions will cover topics such as the effective macroscopic description of many-body quantum systems using non-linear equations and the microscopic analysis of exotic, highly entangled quantum states.

View Event Details

Science Rendezvous 2025

May 10, 2025: University of British Columbia
10 AM - 3 PM PT

Science Rendezvous is a **FREE** festival that takes science, technology, engineering, art, and math (STEAM) research and innovation out of the lab and onto the street. Departments and units from the Faculty of Science at UBC will be participating at various sites across UBC's Vancouver campus. There will be exciting science demonstrations, lectures, and interactive activities! Also, join us in Victoria, BC for a "mini" Math Mania station led by PIMS-UVictoria Education Coordinator Jane Butterfield and a team of enthusiastic volunteers. Visitors can come to experience the magic of math at this exciting community event and get an interactive glimpse into the Math Mania program normally brought to local elementary schools.
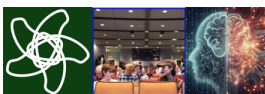
See Event Details

May 10 - 11, 2025: University of British Columbia

The Pacific Northwest Geometry Seminar (PNGS) is a regional meeting for geometers of all kinds. It is held once each academic year. PNGS is sponsored by the following participating institutions: Lewis and Clark College, Oregon State University, Pacific University, Portland State University, Seattle University, University of British Columbia, University of Oregon, and the University of Washington. **This year's invited speakers include:** Richard Bamler *(UC Berkeley),* Tristan Collins *(University of Toronto)*, Laura Fredrickson *(University of Oregon)*, Yi Lai *(Stanford University)*, Tin Yau Tseng *(University of British Columbia)*, Sergio Zamora *(Oregon State University)*, and Jonathan Zhu *(University of Washington)*.

View Event Details

Changing the Culture 2025

May 16, 2025: SFU Vancouver at Harbour Centre
9 AM - 3 PM PT

The annual **Changing the Culture Conference**, organized and sponsored by the Pacific Institute for the Mathematical Sciences, brings together mathematicians, mathematics educators, and school teachers from all levels to work together towards narrowing the gap between mathematicians and teachers of mathematics and between those who enjoy mathematics and those who think they don't. This year's plenary talks will be by Richard Hoshino *(Northeastern University-Vancouver)* on "Computational Thinking and Mathematical Problem-Solving" and Trefor Bazett *(University of Victoria)*, "Inspiring an Appreciation for Math in 2025".

As in past years, registration for this event is free, but we ask that you complete the registration form to attend. **Please register by Tuesday May 13th**.

[Canadian Discrete and Algorithmic Mathematics Conference (CanaDAM) 2025](#)

May 20 - 23, 2025: University of Ottawa

The tenth biennial Canadian Discrete and Algorithmic Mathematics conference (CanaDAM) will be hosted by the University of Ottawa and Carleton University from May 20 to 23, 2025. **This year's plenary speakers include:** Anne Broadbent *(University of Ottawa)*, Frederick Manners *(UC San Diego)*, Sam Mattheus *(Vrije Universiteit Brussel)*, Rosa Orellana *(Dartmouth College)*, Jinyoung Park *(New York University)*, Oliver Pechenik *(University of Waterloo)*, Annie Raymond *(UMass Amherst)*, and Alex Scott *(University of Oxford)*. Po-Shen Loh *(Carnegie Mellon University)* will also give a public interest lecture.

Registration closes on May 5, 2025. Participants must register online before the deadline. There is no on-site registration.

View Event Details

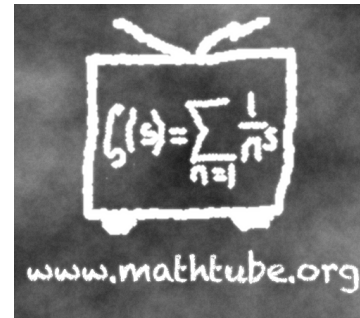# View our calendars for more meetings and events

Scientific Programs

Education Programs

Industrial Programs

MEDIA

Missed a Lecture? Go to Mathtube.Org

Since 1996, PIMS has collected and maintained an archive of videos and lecture notes covering many areas of the mathematical sciences. If you missed any of the PIMS PDF Colloquium Lectures, visit www.mathtube.org to see these and other archives.

ABOUT PIMS

The Pacific Institute for the Mathematical Sciences (PIMS) was created in 1996 to promote discovery, understanding, and awareness in the mathematical sciences. PIMS has expanded from the mathematics community of Alberta and British Columbia to include Washington State, Saskatchewan, and Manitoba. Our mandate is to promote research in and applications of the mathematical sciences, to facilitate the training of highly qualified personnel, to create an equitable, diverse and inclusive community, to enrich public awareness of and education in the mathematical sciences, and to create mathematical partnerships with similar organizations in other countries in the Pacific Rim. PIMS funds Collaborative Research Groups, Post-Doctoral Fellowships, and individual events on a competitive basis.

We Want to Hear from You

Share your feedback on this month's newsletter and tell us what stories and news you would like to hear more of.

Feedback

Your Support Makes a Difference

PIMS education and outreach programs touch countless educators, students, and Indigenous communities. Some of our activities include summer schools, mathematics contests and meetings for educators. Learn more

Donate to PIMS

Follow PIMS and be a part of our community

The University of British Columbia

4176-2207 Main Mall

Vancouver, BC V6T 1Z4

Canada

We acknowledge with gratitude that PIMS central office is located on the unceded, traditional, and occupied territory

of the Coast Salish peoples. This includes the territories of the xwməθkwəy̓əm (Musqueam),

Skwxwú7mesh (Squamish), and Səl̓ílwəta?/Selilwitulh (Tsleil-Waututh) Nations.

www.native-land.ca