PIMS MONTHLY CONNECTION | **July 2022**

UNIVERSITY OF ALBERTA

Hello from PIMS

We hope you are all enjoying the warm weather and longer days. Here at PIMS, we are excited about the new changes in leadership that begin on July 1. Professors Özgür Yilmaz, Kristine Bauer and Jayadev Athreya take on new roles at PIMS. We also welcome Professor Wenyuan Liao as the new Site Director at the University of Calgary. More details are in the announcements below.

Our PIMS member universities continue to host hybrid and in-person events. This month the University of Calgary will host the **Alberta Graduate Mathematics and Statistics Conference**; UBC will host the annual **Séminair de Mathématiques Supérieures** on Floer Homotopy Theory. The Canadian Undergraduate Mathematics Conference will be held at Université Laval -- registration is still open.

Here at PIMS, we host the **Math to Power Industry (M2PI) Workshop** from July 11- 29. Held for the third year, this intensive online workshop prepares graduate and postdoctoral students with the technical and soft skills needed for today's competitive job market. We encourage students to apply for the next cohort in 2023.

Early registration for the 2022 PRIMA Congress **is now open**! The special sessions in this year's congress include leaders from diverse fields in the mathematical sciences. Take advantage of the lower rates by registering before July 31!

Upcoming Deadlines:

- Now through July 31- PRIMA Early Registration deadline (Vancouver - BC).
- Extended to Aug 31- PRIMA Early Career Research Showcase: Poster and Short talk (Vancouver - BC).

Sincerely,
The PIMS Team

NEWS & ANNOUNCEMENTS

Leadership Changes at PIMS

Özgür Yilmaz, UBC
Director

Kristine Bauer, UCalgary
Co-Director, Industry

Jayadev Athreya, UWashington
Co-Director, International

PIMS is excited to officially welcome Professors Özgür Yilmaz (UBC), Kristine Bauer (UCalgary) and Jayadev Athreya (UWashington) to their new roles this month. Professor Özgür Yilmaz will lead the Institute as the new Director. He will be joined by Professor Kristine Bauer as the Co-Director, Industry, and by Professor Jayadev Athreya, as Co-Director International. Their leadership will increase PIMS engagement and visibility at national, regional, and international levels.

See Announcement Details

New Site Director at the University of Calgary

PIMS is pleased to welcome Professor Wenyuan Liao as the new Site Director representing the University of Calgary. Professor Liao will begin his three-year term on July 1, 2022. A professor of mathematics at the Department of Mathematics and Statistics, Professor Liao's primary research is based in numerical analysis and scientific computation. More about his academic background and his work with PIMS can be found on our website.

See Announcement Details
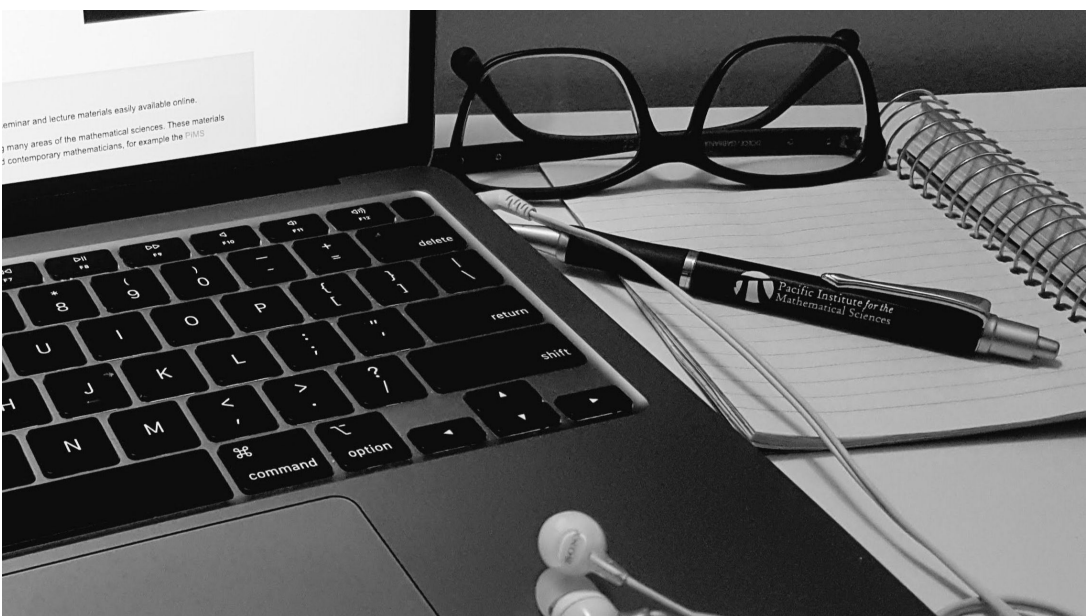
Enrollment for PIMS Network Wide Graduate Courses Open.

Registration for Fall 2022 network-wide graduate courses is still open. Students at Canadian PIMS member universities can register for these courses and receive graduate credit via the Western Deans Agreement.

- Analytic Number Theory I - *Habiba Kadiri, ULethbridge*
- OT+ Bio - Single Cell Analysis - *Geoff Schiebinger, UBC*

- Statistical ... ... for Data Science - *Li Xing, USaskatchewan*
  - Optimal Public Transport - *Marisa Faizrahnemoon, SFU*
- Mathematical Models in Cell Biology - *Leah Edelstein-Keshet, UBC*

See the Courses Website for more information and registration details. In some cases, students must enroll **6 weeks** in advance of the next term, so register early.

<div align="right">

See Course Details

</div>

Science Communication Competition: "My Research in France: The Emotion of Discovery"

As part of the PIMS-CNRS IRL3069 agreement, PIMS promotes events and meetings open to Canadian researchers in France. The scientific services of the Embassy of France in Canada, in partnership with the Royal Canadian Institute for Science (RCIScience), are launching the 2nd Edition of 'My Research in France' – a science communication contest. If you are embarking on a new adventure of scientific research in France, then share your experiences with your friends, family, and the public to have a chance to win one of two round-trip plane tickets back to France! Two winners will each receive CAD$ 1500 to go back to France. The competition is open from **January 1 to October 31, 2022**.

<div align="right">

See Competition Details

</div>

FEATURE EVENTS

1st Annual Alberta Graduate Mathematics and Statistics Conference

July 6 - 8, 2022. University of Calgary

The Alberta Graduate Mathematics and Statistics Conference (AGMSC) runs from July 6, 2022 – July 8, 2022, and is hosted by the Graduate University Mathematics Society (GUMS) at the University of Calgary. This conference is a place for graduate students in mathematics, statistics, biostatistics, actuarial science, data science, and other related fields from Alberta to meet and share their research with peers from other universities who work in related areas. Registration is

See Conference Details

Math INDUSTRY

Math To Power Industry (M2PI) Workshop 2022

July 11- 29, 2022. Online

The Math to Power Industry (M2PI), will be hosted online for a third year in 2022. The workshop is a professional development school positioned to benefit graduate students and postdocs in the mathematical sciences. Participants will meet from July 11 - 29 and will focus on building their technical and soft skills. In addition to data analysis and mathematical modeling, participants will take communication, leadership, and equity, diversity and inclusion (EDI) courses. This year's industry problems will be provided by Aerium Analytics, Awesense, Big River Analytics, Cedar Academy Society, Environmental Instruments Canada, IOTO, Natural Resources Canada, Novion, and Perfit.

See Workshop Details

Séminaire de Mathématiques Supérieures 2022: Floer Homotopy Theory

July 11- 22, 2022. University of British Columbia

A regular fixture at the Centre de Recherche Mathématique (CRM) in Montreal, this year's summer school will be hosted by PIMS at the University of British Columbia. The school will provide participants with the tools in symplectic geometry and stable homotopy theory required to work on Floer homotopy theory. Students will come away with a basic understanding of some of the key techniques, questions, and challenges in both of these fields.

See Event Details
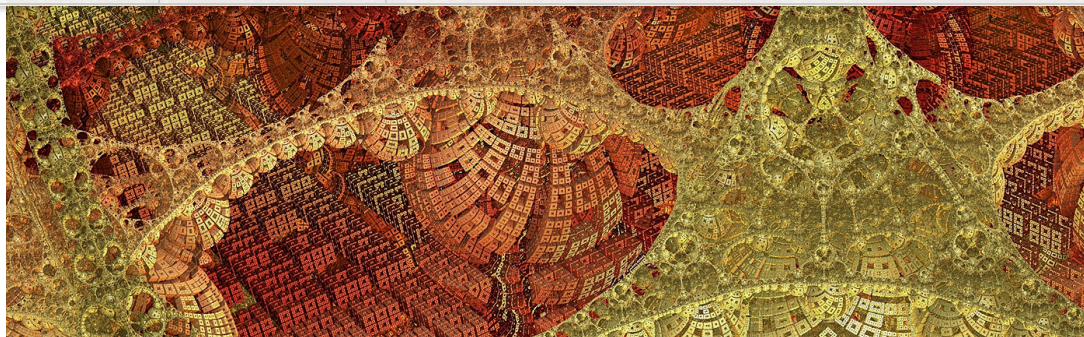
2022 Canadian Undergraduate Mathematics Conference (CUMC)

July 13 -17, 2022. Université Laval

Held every year since 1994, the CUMC is a Canada-wide conference aimed at undergraduate students in mathematical sciences. Its main objective is to strengthen the undergraduate mathematics community by encouraging collaboration and creating opportunities for students to discuss and share research. Université Laval will host this year's in-person meeting from July 13th to 17th 2022. Registration is still open.

See Conference Details

View our calendars for more meetings and events

Scientific Events

PRIMA Notices

Pacific Rim Mathematical Association Congress 2022

PRIMA

December 4-9, 2022
Vancouver, BC

DISCOUNTED RATES ARE AVAILABLE UNTIL JULY 31

Pacific Rim Mathematical Association (PRIMA) Congress 2022
Registration is now open!

Dec 4–9, 2022: In-Person, Vancouver, BC

The 2022 Pacific Rim Mathematical Association Congress will take place in Vancouver, Canada, between **December 4-9, 2022**. The fourth meeting will be hosted by the Pacific Institute for the Mathematical Sciences (PIMS). Take advantage of the lower rates by signing up during the early registration period.

- **Early Registration**: Now through to July 31
- **Regular Registration**: Aug 1 - Oct 15
- **Late Registration**: Oct 15 - Dec 9

Visit the PRIMA Congress 2022 website to read more about the program, how to register for tickets, and featured plenary and public speakers.

Get your tickets!

PRIMA Early Career Research Showcase and Career Fair

Whether you are a graduate student or postdoctoral scholar, take advantage of this full day dedicated to early career researchers.

- **Submit your abstracts for a short talk or poster session here before August 31**
- Attend the PRIMA career fair and see what industry positions are open.
- **Date**: December 7, 2022

Read More

MEDIA
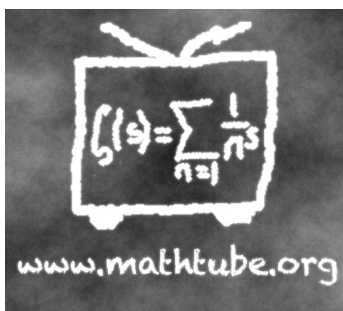
Missed a Lecture? Go to Mathtube.Org

Since 1996 PIMS has collected and maintained an archive of videos and lecture notes covering many areas of the mathematical sciences. If you missed a Network Wide Colloquium or a PIMS Emerging Research Seminar, 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

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 Səl̓ílwətaʔ/Selilwitulh (Tsleil-Waututh) Nations.
www.native-land.ca