



Pacific Institute *for the*
Mathematical Sciences

PIMS MONTHLY CONNECTION | August 2022



Hello from PIMS

August is typically a time of rest or travel for many of you--we hope you are enjoying your adventures wherever they may take you. Here at PIMS, we are happy to announce that the [Math to Power Industry Program \(M2PI\)](#) has received federal funding for the next three years. The announcement was made during the third M2PI graduation gala on Thursday, July 28th. We wish to thank all our industry, academic, and government partners who have made the program a success.

This month the University of Washington will host the **Workshop on Modern Nonsmooth Optimization**, while the University of Victoria will host the **Conference on Statistics in Genomics and Pharmaceutical Science**. The **34th Canadian Conference on Computational Geometry (CCCG 2022)** will be held at the Toronto Metropolitan University, formerly Ryerson University. Registration for these events are ongoing.

The PIMS **Call for Proposals** will open on August 1, 2022. PIMS supports the mathematical sciences community by funding events and collaborations. We provide significant sponsorship for events in active areas of mathematical science research. More details are available in the news section below.

Early bird pricing for the [2022 PRIMA Congress](#) ends on July 31, 2022 at 11:59pm PST! The special sessions in this year's congress include leaders from diverse fields in the mathematical sciences. Be sure to save your spot.

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 \(Vancouver - BC\)](#).
- **October 1-** [PIMS Call for Proposals Close](#)

Sincerely,
The PIMS Team

NEWS & ANNOUNCEMENTS

PIMS Receives Funding for M2PI



PIMS is pleased to announce that the Prairies Economic Development, Canada (PrairiesCan) has committed funding for the M2PI program. This funding will allow PIMS to actively grow the number of highly qualified personnel (HQP) in Western Canada, and meet its commitment to building a competitive economy by supporting businesses, research, and innovation. The M2PI program is open to senior graduate students and postdoctoral scholars, and PIMS expects to place them into internships, co-op programs, or full-time positions.

Funding will flow through the University of Calgary, and will be overseen by the PIMS Co-Director, Industry, Dr. Kristine Bauer. PIMS gratefully acknowledges the efforts of the M2PI organizing committee in producing this high-quality workshop.

[Read the Annoucmnt](#)

CALL FOR PROPOSALS NOW OPEN!

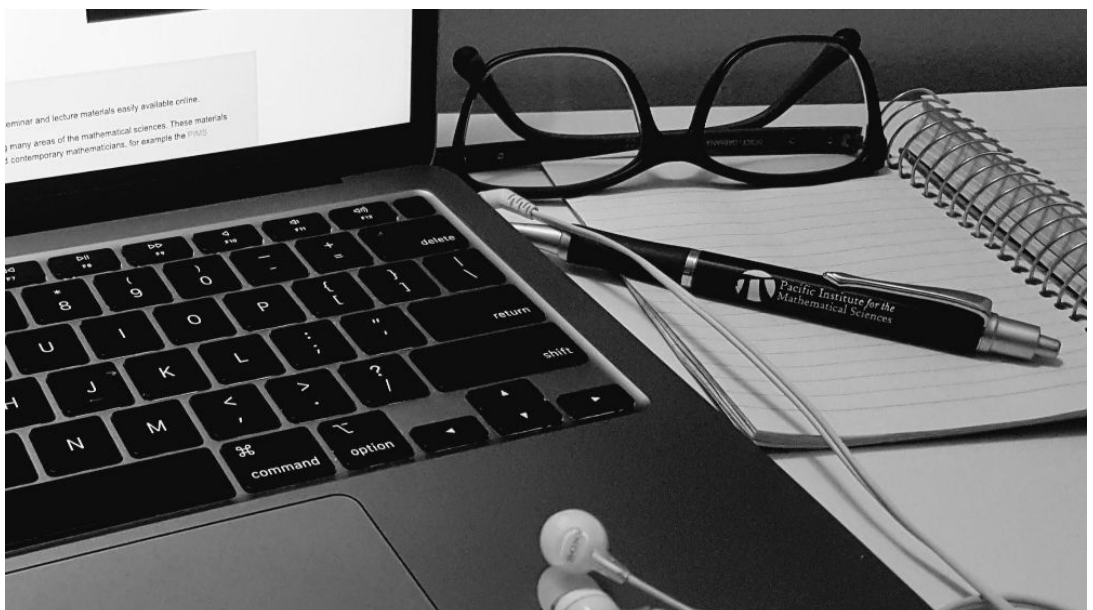


PIMS is accepting proposals for events in 2023 and beyond...

Submission Deadline is **October 1, 2022**

PIMS Welcomes Proposals for Activities in 2023.

PIMS is currently accepting proposals for events in 2023 and beyond. Proposals for events such as conferences, workshops, summer schools, distinguished visitors, focus periods, collaborative research groups, and related activities in the mathematical sciences are accepted. Activities should occur after April 1, 2023. Proposals will be accepted until **October 1, 2022**.

[See Funding Details](#)

Enrollment for PIMS Network Wide Graduate Courses Open.

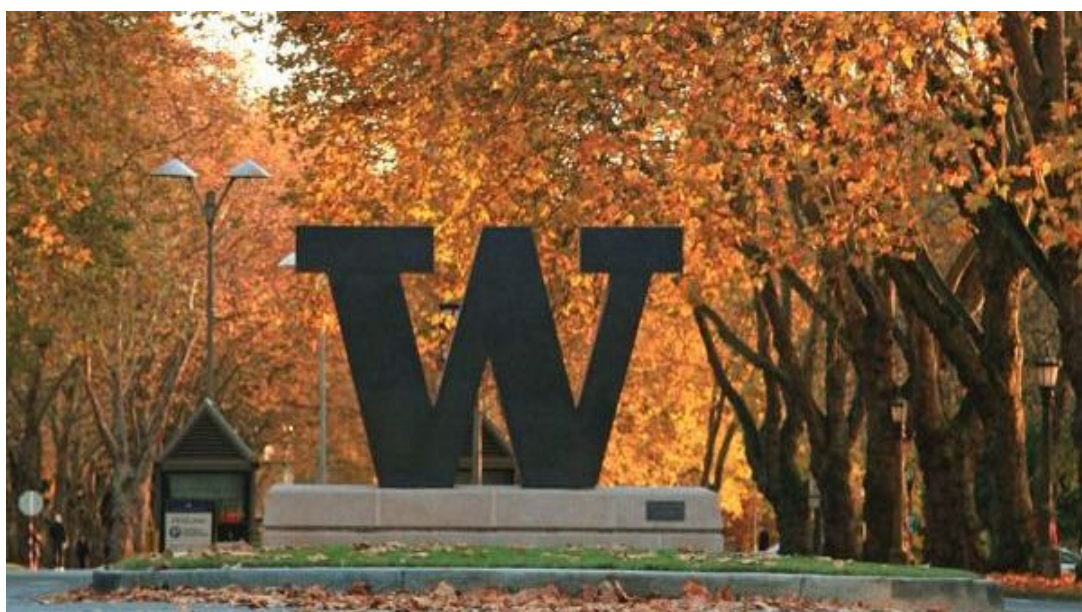
Registration for Fall 2022 network-wide graduate courses is still open. Students at Canadian PIMS member universities can register for these courses and receive graduate credit via

- [Analytic Number Theory I](#) - *Habiba Kadiri, ULethbridge*
- [OT+ Bio - Single Cell Analysis](#) - *Geoff Schiebinger, UBC*
- [Statistical Machine Learning for Data Science](#) - *Li Xing, USaskatchewan*
- [Optimal Public Transport](#) - *Mahsa Faizrahmoon, 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.

[See Course Details](#)

FEATURE EVENTS



Workshop on Modern Nonsmooth Optimization

August 9 - 10, 2022. University of Washington

This short workshop is being hosted at the University of Washington, and is in honour of Professor Adrian Lewis in recognition of his fundamental contributions to nonsmooth optimization. All are welcome to attend the workshop; subject to space limitations. There is no registration fee, but anyone who wishes to attend should register by sending email to mo1@nyu.edu.

[See Workshop Details](#)

Statistics in Genomics and Pharmaceutical Science Conference

August 15- 17, 2022. University of Victoria

This conference aims to share the most recent developments in statistical data science, focusing on its applications in genomics and pharmaceutical research. Invited speakers include academic and industry R&D researchers. For graduate students, this conference offers opportunities to learn on the frontier of statistical research and important real-world problems from industry. It will also help them build their professional network for future careers. Students will get an opportunity to share their work in the poster sections. The conference offers potential opportunities for students' internships in the industry.

For researchers, besides learning each other's recent research developments, this conference will bridge the gap between university research and industry R&D, which will lead to new

[See Conference Details](#)


**34th Canadian Conference on
Computational Geometry (CCCG 2022)**
25-27 August 2022, Toronto, Canada

The Canadian Conference on Computational Geometry

August 25 - 27, 2022. Toronto Metropolitan University

The 34th Canadian Conference on Computational Geometry (CCCG 2022) will be held in Toronto, Ontario, Canada between August 25-27, 2022, at the Toronto Metropolitan University. The CCCG conference is a forum to disseminate and discuss new theoretical and applied results in discrete and computational geometry. CCCG focuses on the design of efficient algorithms, the development of software, and the study of the mathematical foundations of computational problems whose formulations involve geometric constraints.

The field of computational geometry is motivated by problems from a broad range of application areas, as diverse as computer graphics and animation, computer vision, computer-aided design and manufacturing, geographic information systems, pattern recognition, wireless communications, robotics, protein folding, urban planning, graph drawing, or statistical analysis. A list of previous editions of CCCG can be found at cccg.ca.

[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

Early Registration closes July 31, 2022 at 11:59pm PST

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

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**

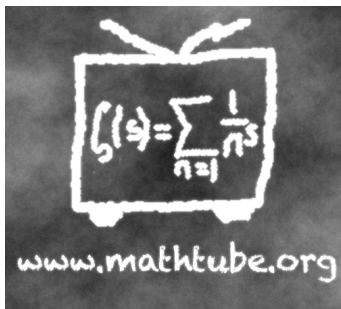
- Attend the PRIMA career fair and see what industry positions are open.

- **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](#)

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Mailing address:

Pacific Institute for the Mathematical Sciences
The University of British Columbia

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4176-2207 Main Mall
Vancouver, BC V6T 1Z4

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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 xwməθkwəyəm (Musqueam), Skwxwú7mesh (Squamish), and Səlilwətaʔ/Selilwitulh (Tseil-Waututh) Nations.

www.native-land.ca