



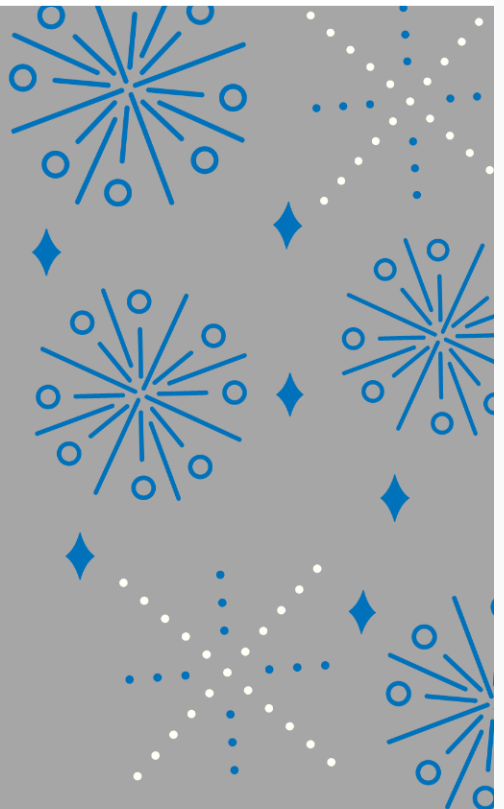
Pacific Institute *for the*
Mathematical Sciences

PIMS MONTHLY CONNECTION | **DECEMBER 2022**



Happy
Holidays

TO ALL OF YOU FROM PIMS



Hello from PIMS

As 2022 draws to a close, we want to wish everyone in the PIMS community a festive holiday and an exciting coming new year! This week we continue to host the PRIMA Congress in Downtown Vancouver. It is the last event of the year, and we invite local participants to attend the public lectures by Minhyong Kim and Kate Stange, at the Sheraton Vancouver Wall Centre.

We're looking forward to another eventful and productive 2023 and hope you will be able to take part in our PIMS-sponsored activities across Western Canada.

See below for more details on this month's news, announcements, and featured events.

Upcoming Deadlines:

- **December 6** - [Get tickets for PRIMA Public Lecture: Minhyong Kim](#)
- **December 8** - [Get tickets for PRIMA Public Lecture: Katherine Stange](#)
- **December 9** - [Late registration closes for PRIMA 2022](#)

Happy holidays from all of us at PIMS.

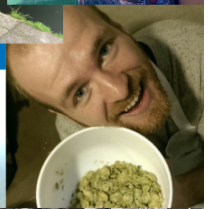
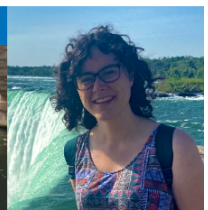
NEWS & ANNOUNCEMENTS



Pacific Institute *for the*
Mathematical Sciences

**2023–2024 PIMS Postdoctoral
Competition: Call for Nominations
at the University of Saskatchewan**

Applications are ongoing



University of Saskatchewan.

Faculty members in the Department of Mathematics and Statistics at the University of Saskatchewan are seeking candidates for nomination for a PIMS Postdoctoral Fellowship with a normal starting date of **September 1, 2023**. The position is for one year, and is renewable for a second year, contingent on satisfactory performance. The position is open to recent PhD graduates, or to current PhD students who expect to receive their degree prior to September 1, 2023. Successful candidates will be expected to teach two courses per year and to collaborate with their nominator and possibly other members of the Department. Applicants are strongly encouraged to [read PIMS tips for preparing a successful application](#) to ensure their best chance at success. Selected candidates will be contacted shortly after the closing date to arrange for a nomination to PIMS.

[See Application Details](#)

FEATURE EVENTS

Pacific Rim Mathematical Association Congress 2022



PRIMA

December 4-9, 2022
Vancouver, BC

PRIMA Congress 2022.

December 4 - 9, 2022. In-person

The fourth PRIMA Congress is officially underway in Vancouver, BC. The Pacific Institute for the Mathematical Sciences (PIMS) is excited to host mathematical scientists from around the Pacific Rim, and beyond, at this year's premier conference. From plenary and public lectures, to special sessions and a congress dinner banquet, PRIMA is a concerted effort among institutions and countries established to stimulate a vibrant and interconnected mathematical community. At the conference, discussions on the latest developments in Mathematics will end up impacting and the region's economic, social and cultural development.

We look forward to seeing all the participants at this year's winter congress!

[Visit the PRIMA website](#)

FEATURED SPEAKERS: Public Lecture Tickets for the PRIMA Congress.

PRIMA 2022 has invited two public speakers from a vibrant and interconnected mathematical community to discuss the latest developments in the mathematical sciences. These events are a part of the PRIMA 2022 Congress. **They are open to the public.** You can now register to attend the public lectures via Eventbrite until the day(s) of the event(s).



Congress 2022

Sheraton Vancouver Wall Centre

December 4–9, 2022 | Vancouver, BC | #PRIMA2022

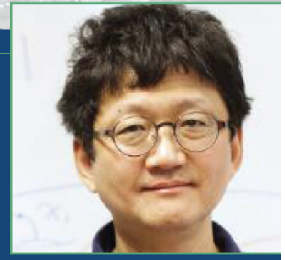
Invited Public Speaker

Measurement, Calculation,
and History

TUESDAY, Dec 6, 5.45PM PT

Minhyong Kim

UNIVERSITY OF WARWICK

prima2022.primamath.org

Minhyong Kim, University of Warwick
Measurement, Calculation, and History
December 6, 2022, 5.45pm: In-person, Vancouver, BC

Some of the most remarkable achievements of science are the mind-boggling measurements it has contributed throughout history to our collective understanding of the universe. For example, a simple Google search will reveal that the radius of our galaxy is 52850 light years, and that the Andromeda galaxy is 2.537 million light years away. You can also find out that the mass of an electron is 0.000000000000000000000000091093837 grams. Sadly, I don't think I will have time to discuss these great numbers in this lecture. However, I will mention a few simpler, but still great measurements in history, and how they involved calculating with precision. I will also reflect on what our knowledge of such matters tells us about the nature of mathematics as a human heritage.

[Get free tickets from Eventbrite!](#)

Pacific Rim Mathematical Association Congress 2022

Sheraton Vancouver Wall Centre

December 4–9, 2022 | Vancouver, BC | #PRIMA2022

Invited Public Speaker

The illustrated field diary of a
mathematical naturalist

THURSDAY, Dec 8, 5.45PM PT

Kate Stange

UNIVERSITY OF COLORADO

prima2022.primamath.org

Kate Stange, University of Colorado
The illustrated field diary of a mathematical naturalist
December 8, 2022, 5.45pm: In-person, Vancouver, BC

Mathematics is a jungle: A jubilee of flowering plants and mysterious animals. The mathematician is a naturalist, describing the behaviours of whatever she encounters on her tours. With the advent of computers and modern technologies, the dispatches of the naturalist can now be illustrated in full colour. In my own travels, I've collected some illustrations that I hope will surprise and delight you. I'll show you -- in technicolour -- some of the lesser-known antics of the inhabitants of the mathematical realm, including complex and rational numbers and the roots of polynomials.

[Get free tickets from Eventbrite!](#)

[View our calendars for more meetings and events](#)

EDUCATION HIGHLIGHTS

PIMS Education Call for Proposals 2023

Applications which include aspects of computational thinking may also be eligible for review as part of the Callysto Program.

Open Until February 28, 2023



Pacific Institute
for the
Mathematical Sciences



PIMS Education Call for Proposals 2023 Open.

PIMS welcomes applications for support of education activities in the mathematical sciences to occur after April 3, 2023. Applications are open from **November 15th** until the deadline on **February 28, 2023**. We will be awarding grants from \$500 up to \$5000. Proposals will be reviewed by the PIMS Education Review Panel in early March, with awards announced on March 15th.

[See Application Details](#)



Callysto

Call for proposals

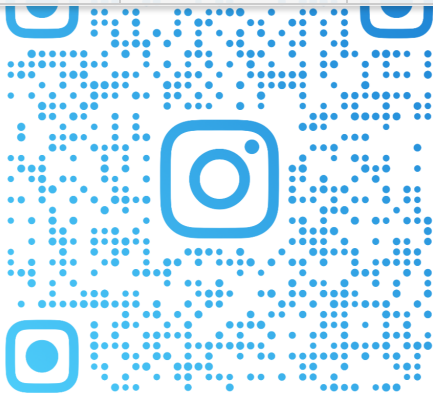
Callysto Call for Proposals Open.

If you teach Grades 5-12 students in Canada, Callysto wants to help fund your classroom activities related to **computational thinking, data literacy, and coding**. Callysto is a free, online program that helps Grades 5-12 students and teachers in Canada learn and apply in-demand data science skills — including data literacy, analysis, visualization, coding, and computational thinking — across any subject matter. This is Callysto's **sixth** Call for Proposals — the theme for this Call for Proposals is **Developing Responsible Digital Citizens**. [Read about our past recipients for proposal ideas and inspiration.](#)

Applications will be accepted as part of a rolling intake until 4:00 pm Mountain Time on February 28, 2023.

[See Application Details](#)

MEDIA

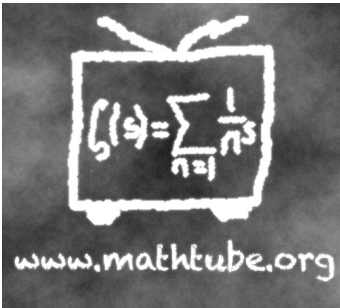


PIMSMATH

Instagram!

Follow us at [@pimsmath](https://www.instagram.com/pimsmath) to keep in touch

with all #PIMS news and math content.



Missed a Lecture? Go to [Mathtube.Org](http://www.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 CRM-Fields- PIMS Prize Lectures (see below) 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



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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 xwm̓əθkwəy̓əm (Musqueam), Skwxwú7mesh (Squamish), and Sel̓ílwətaʔ/Selilwitulh (Tsleil-Waututh) Nations.

www.native-land.ca