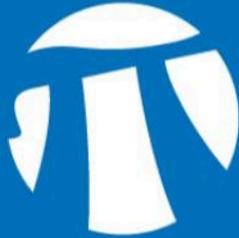


[View this email in your browser](#)



Pacific Institute *for the*
Mathematical Sciences

PIMS MONTHLY CONNECTION | April 2024

Hello from PIMS

Spring is around us and we are happy to welcome the month of April! Across our sites, there are lots of activities being hosted in person and online. We hope you will have some time to attend the various seminars, talks, and events happening near you.

PIMS News:

- [2024 CRM-Fields-PIMS Prize Awarded to Dr. Ram Murty of Queen's University](#)

Opportunities Across the Network:

- Apply: [PIMS-BIRS-Simons Travel Award](#)
- May 5, 2024: [Deadline to apply for the 2024 Summer School on Forecasting and Mathematical Modeling for Renewable Energy](#)
- Apply: [2024 Diversity in Research Experiences Across Mathematics \(DREAMs\) Institute](#)
- Call for Speakers: [2024/25 PIMS Network-Wide Colloquium Series](#)

Featured Events:

- April 3: [The PIMS Postdoctoral Fellow Seminar: Canon Sun](#)
- April 10: [The PIMS Postdoctoral Fellow Seminar: Sarah Dijols](#)
- April 17 - 19: [Women in Optimal Transport](#)
- April 17: [The PIMS Postdoctoral Fellow Seminar: Samuel Van Fleet](#)
- April 18: [SFU-UBC Applied Mathematics Day](#)
- April 24: [The PIMS Postdoctoral Fellow Seminar: Yanwen Luo](#)

K- 12 Education Opportunities:

- April & May: [Volunteers Needed: ELMACON and Science Rendezvous 2024](#)

Upcoming Deadlines:

- April 14: [Register for ELMACON 2024](#)
- April 4: [Register for the van Eden Seminar: Sherri Rose](#)

PIMS NEWS



[2024 CRM-Fields-PIMS Prize Awarded to Dr. Ram Murty of Queen's University](#)

The winner of 2024 CRM-Fields-PIMS prize is Prof. Ram Murty, of Queen's University. Dr. Murty first came to prominence in the early 1980s with his breakthrough result (joint with Rajiv Gupta) on Artin's conjecture (that each prime multiplicatively generates infinitely many finite fields of prime order). He works on a wide front, with imagination and originality, combining both analytic and algebraic techniques and bringing real philosophical depth to the questions he considers. Few parts of the subject of number theory, including its ties to far-afield topics like mathematical logic, p-adic geometry, and foundations, have been left untouched by his wide-ranging intellectual curiosity.

[Read the News Article](#)

PIMS NETWORK OPPORTUNITIES



[PIMS-BIRS-Simons Travel Award](#)

The PIMS-BIRS-Simons Travel Award aims to help researchers attending one of the BIRS 5-day (or longer) workshops, to maximize the scientific impact of their travel by visiting researchers at one of the PIMS member institutions. Up to \$1000 (CAD) is available to support a visit to a PIMS site during their trip. To apply for this program, please complete the [PIMS-BIRS-Simons Application Form](#).

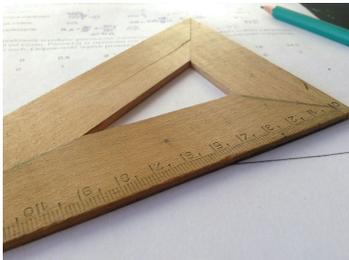
[Application Deadline: 2024 Summer School on Forecasting and Mathematical Modeling for Renewable Energy](#)



The 2nd summer school on Forecasting and Mathematical Modeling for Renewable Energy will be held at the Banff International Research Station from **July 15th to 26th, 2024**.

The following mini-courses will be offered: *Stochastic dynamical systems, uncertainty quantification, extreme events; Meteorology of Wind Energy for Complex terrains and Off-shore Wind; Optimization and applications to microgrids and remote communities; and Mean field games and applications to modeling of electricity markets*. Current graduate students or those expected to be enrolled by September 2024 are eligible to apply. Please apply by **May 5th, 2024 at 5 PM MT**.

[View Application Details](#)



[Apply: 2024 Diversity in Research Experiences Across Mathematics \(DREAMs\) Institute](#)

The Diversity in Research Experiences Across Mathematics (DREAMs) Institute is a three-week online summer enrichment program that takes place from **July 22nd to August 9th, 2024**. It is designed to provide high school students in their last year or two of studies an opportunity to explore the pursuit of mathematics at the University level. Courses offered include: *Mathematics of Puzzles* (Jordan

cost to participate in the DREAMs Institute, but we do expect participants to commit to attending for the full duration of the program. To apply for the program, please [complete the following Google Form](#).

[View Summer School Details](#)

[Call for Speakers: 2024/25 PIMS Network-Wide Colloquium Series](#)

PIMS will continue to sponsor the network-wide colloquium series for the 2024-2025 academic year. High-quality colloquia by distinguished speakers will be given on a monthly basis (likely delivered virtually) for an audience spread across the 10 PIMS member universities.

Suggestions for speakers are now being considered by the PIMS Colloquium Committee, and should be sent to Anthony Quas (aquas@uvic.ca).



These will be evaluated based on: *distinction of speaker; equity, diversity and inclusivity considerations; breadth of topics in the series; and suitability for a colloquium-style lecture.*

A proposal should include:

- A brief biography or CV (1-2 pages) of the proposed speaker [this item can be replaced by a web link to a page providing similar information]
- A statement, if applicable, giving details of ways in which this nominee would contribute to PIMS' goals of promoting under-represented groups in mathematics
- If possible, a statement addressing the proposed speaker's ability to give a broadly accessible engaging talk

It is not necessary to contact the proposed speaker in advance of submitting the nomination.

FEATURE EVENTS



Seminar: Canon Sun

April 3, 2024: Online

9:30 AM Pacific Time

Topological linear response on hyperbolic lattices

Canon Sun Canon is a theoretical physicist who is currently a PIMS Postdoctoral Fellow at the University of Alberta. He received his PhD in physics from Johns Hopkins University in 2021 under the supervision of Professor Yi Li working on quantum phases of matter. His research interests include topological states of matter, hyperbolic geometry, superconductivity, superfluidity, and mathematical physics.

[See Seminar Details](#)



The PIMS Postdoctoral Fellow Seminar: Sarah Dijols

April 10, 2024: Online

9:30 AM Pacific Time

Sarah Dijols is a PIMS postdoctoral fellow at the University of British Columbia. Her research interests lie at the interface of representation theory and number theory. She has mostly worked on representations of reductive groups over p -adic fields (in particular distinction problems), and automorphic forms.

[See Seminar Details](#)



Women in Optimal Transport

April 17 - 19, 2024: University of British Columbia

Confirmed speakers: Jingwei Hu (*University of Washington, Department of Applied Mathematics*), Olga Turanova (*Michigan*)

North Carolina, Mathematics), Christina Frederick (New Jersey Institute of Technology, Mathematical Sciences), Elisa Negrini (University of California, Los Angeles, Department of Mathematics), Silvana Pesenti (University of Toronto, Department of Statistical Sciences), Xiaohong Chen (Yale University, Department of Economics), Ruidi Chen (Microsoft), Yuan Gao (Purdue University, Department of Mathematics), Siting Liu (University of California, Los Angeles, Department of Mathematics), Jiao Jiao Fan (Georgia Institute of Technology, School of Mathematics).

[View Conference Details](#)

[The PIMS Postdoctoral Fellow Seminar: Samuel Van Fleet](#)

April 17, 2024: Online

9:30 AM Pacific Time

Samuel Van Fleet is a PIMS-Simons postdoctoral fellow at the University of Washington. His research is broadly based in the areas of numerical analysis and partial differential equations. More specifically, using finite volume and finite element methods to approximate solutions of hyperbolic systems of partial differential equations.

[See Seminar Details](#)

[SFU-UBC Applied Mathematics Day](#)

April 18, 2024: SFU Harbour Centre

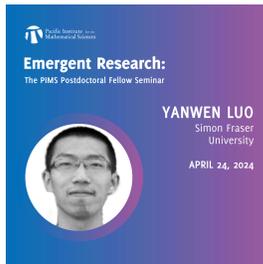
1 PM - 5:30 PM Pacific Time

SFU-UBC Applied Mathematics Day is a half-day event at SFU Harbour Center, featuring two speakers: Professor Giang Tran

work of graduate students and postdoctoral fellows in the area. The audience will comprise faculty, students and postdoctoral fellows in Applied Mathematics, Numerical Analysis and Scientific Computing from SFU and UBC.

This event will serve both to find out about the state-of-the-art, and also to learn about the new research directions represented by newer colleagues in the region. Finally, this is an excellent networking opportunity for students and PDFS. This is a free event, but please register in advance. Please also indicate if you are presenting a poster.

[View Event Details](#)



[The PIMS Postdoctoral Fellow Seminar: Yanwen Luo](#)

April 24, 2024: Online

9:30 AM Pacific Time

Yanwen Luo is a PIMS PDF at Simon Fraser University. His research interests include discrete and computational geometry and topology, and applications in shape analysis.

[See Seminar Details](#)

EDUCATION OPPORTUNITIES



and SCIENCE RENDEZVOUS 2024

Volunteers are needed for the upcoming ELMACON and Science Rendezvous events this year! You may participate in one or both events; you can request a letter stating volunteer hours from the events.

ELMACON

Date: May 4th, 2024

Location: UBC (Earth Sciences Building, 2207 Main Mall)

Volunteer opportunities: Marking, proctoring, and general organization.

Register to volunteer for ELMACON by [filling out this form](#).

Science Rendezvous

Date: May 11th, 2024 from 9 AM to 4 PM

Location: UBC campus

Volunteer opportunities: running Math Mania activities, set up (9 AM - 10 AM)/clean up (3 PM - 4 PM), coordinating lectures, helping presenters and people around the campus.

Please email melania@math.ubc.ca if you would like to participate.

View our calendars for more meetings and events

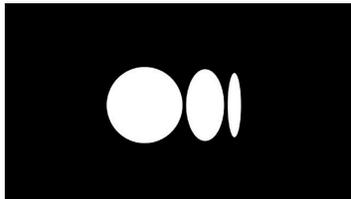
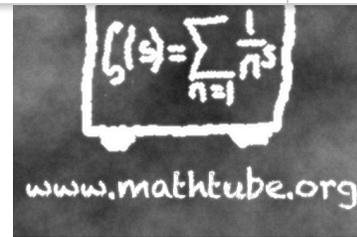
Scientific Events

Education Events

Industrial Events

Proceedings for the [PIMS-ACTS event series](#) that took place this summer are now available for viewing!

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.



Read our feature stories on [Medium](#).

PIMS is happy to share our stories and short interviews with members of the PIMS Community. We are currently featuring our 2022 PDF Cohort as they speak at the PDF Seminar Series. Do you have an interesting profile from the PIMS Community that we should highlight? [Let us know!](#)

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.

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

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



Mailing address:

Pacific Institute for the Mathematical Sciences
The University of British Columbia
4176-2207 Main Mall
Vancouver, BC V6T 1Z4
Canada

[unsubscribe from this list](#) [update subscription preferences](#)

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 (Tsleil-Waututh) Nations.

www.native-land.ca