Pacific Institute *for the* Mathematical Sciences

PIMS MONTHLY CONNECTION | **May 2022**

THE UNIVERSITY OF BRITISH COLUMBIA

Hello from PIMS

It's hard to believe it's May already. A lot is happening around the PIMS Sites as many events return to in-person and hybrid formats. Here is a look at what is taking place at PIMS - Central and across our member universities. We hope you will be able to participate in some of the lectures and events taking place this month.

Dr. Natalia Nolde, is the recipient of the 2021 **UBC - PIMS Mathematical Sciences Young Faculty Award.** She will be giving her award talk, "Linking representations for multivariate extremes via a limit set", on May 4th online.

The UBC site will host the **2022 Celebration for Women in Mathematics** on May 12. This inaugural three-hour hybrid event features a Network Wide Colloquium by Matilde Lalín, a presentation on the life of Maryam Mirzakhani, and a panel session. Register for this event here.

One of our upcoming hybrid events, **XVII Geometry and Physics Workshop**, takes place in Vancouver (UBC) from May 16–20. Registration is free and is currently ongoing till May 12th, 2022. Register here.

PIMS is accepting applications for the **Math Summer School for Elementary School Teachers**. This popular online program helps teachers develop strategies to engage their students in exciting mathematics and are provided with ideas, exercises, and examples to bring to their own classrooms. See program requirements and apply.

Upcoming Deadlines:

- May 20- Applications for funding: PIMS CRG Workshop on Moments of L-functions- UNBC, Prince George - BC.
- June 30- PRIMA Early Career Research Showcase: Poster and Short talk, Vancouver - BC.

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

Sincerely,
The PIMS Team

FEATURE EVENTS

UBC/PIMS Mathematical Sciences Young Faculy Award Colloquium

May 4, 2022, 2:00pm Pacific Online

Dr. Natalia Nolde, is the recipient of the 2021 UBC - PIMS Mathematical Sciences Young Faculty Award. Dr. Nolde is currently an Associate Professor in the Department of Statistics at the University of British Columbia. She will present on *Linking representations for multivariate extremes via a limit set*.

See Details

A Celebration of Women in Math

May 12, 2022: Hybrid

PIMS- UBC is pleased to be hosting the inaugural PIMS celebration of Women in Mathematics on May 12! The event will be held in a hybrid format. The event includes a Network Wide Colloquium from Matilde Ialin (U Montreal), a presentation on the life of Maryam Mirzakhani, and a panel session by Manuela Golban (U. Saskatchewan), Avleen Kaur (U. Manitoba) and Deniz Sezer (U. Calgary). Registration is open and **a call for video submissions is being accepted**.

See Details

2022 Changing the Culture Conference

May 20, 2022: Online

Logical Thinking, Mathematical Thinking, Computational Thinking: What is the Difference?

The annual Changing the Culture Conference, organized and sponsored by PIMS, 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 do and enjoy mathematics and those who think they don't. Registration for the event is now open.

See Details

2022 PIMS CRM Summer School in Probability

May 30, 2022: University of British Columbia

The 2022 PIMS-CRM summer school will be taking place at UBC from May 30 to June 24, after a 2 year delay from 2020. There will be two main courses, given by Frank den Hollander and Ivan Corwin, and mini-courses by Paul Bourgade, Jean-François Le Gall, and Nike Sun. Registration is still open and details on the summer school can be found on the event page

See Details

PIMS PDF SEMINAR SERIES (ONLINE)

Jordan Culp, University of Calgary

May 4

Mesoscale Imaging Reveals the Markovian Dynamics of the Brain

Jordan Culp completed his Ph.D. in Mathematics, with a graduate minor in Statistics, from Washington State University in Spring 2021. he is currently a Postdoctoral fellow at the University of Calgary, under the co-supervision of Dr. Wilten Nicola and Dr. Alex McGirr.

See Details

Raphaël Belliard, University of Alberta

May 18

Exact results in quantum field theory from differential systems.

Raphaël Belliard obtained his Ph.D. at the CEA of Saclay (the French historical nuclear physics research center) under the supervision of Dr. Bertrand Eynard. He is currently a PIMS PDF at the University of Alberta, Edmonton, working with Dr. Vincent Bouchard on algebraic and geometric structures.

See Details

Natalie Behague, University of Victoria

May 25

Subgraphs in Semi-random Graphs

Natalie completed her Ph.D. in 2020 at Queen Mary University of London under the supervision of Robert Johnson. After finishing her Ph.D. she spent a year at the University of Ryerson in Toronto with the Graphs at Ryerson research group. Since the start of 2022, she has been a PIMS PDF at the University of Victoria, working with Dr. Natasha Morrison and Dr. Jonathan Noel.

See Details

View our calendars for more meetings and events

Scientific Events

Education Events

PRIMA Notices

Pacific Rim Mathematical Association Congress 2022

PRIMA

December 4–9, 2022
Vancouver, BC

Pacific Rim Mathematical Association (PRIMA) Congress 2022

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

PRIMA is an association of mathematical sciences institutes, departments, and societies from around the Pacific Rim, established in 2005 with the aim of promoting and facilitating the development of the mathematical sciences throughout the Pacific Rim region.

This Congress will be held safely, in-person at the Sheraton Wall Centre in Vancouver. As such, we will be following guidance and restrictions from the Province of British Columbia and the Federal Government of Canada around COVID-19. Connect with the PRIMA Team here

Quantum Algorithms Institute joins PRIMA as Title Sponsor

PRIMA Partners and Sponsors

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Early Career Research Showcase and Fair.

December 7, 2022

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

Read More

MEDIA

Watch it Again!
PIMS Network-Wide Colloquium Series

https://mathtube.org/conference/pims-network-wide-colloquium

Watch the Past lectures in PIMS Network Wide Colloquium Series.

Talks can be found on the PIMS multi-resource site Mathtube.org. This series will resume again in the Fall of 2022.

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 2021 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!

PIMS COMMUNITY RECENT PUBLICATIONS

1. **Kundu, Debanjana and Ray, Anwesh** Anticyclotomic μ-invariants of residually reducible ... *Journal of Number Theory.* (2021).

2. **Males, J.** Higher Siegel theta lifts on Lorentzian lattices, harmonic Maass forms, and Eichler–Selberg type relations. *Math. Z.* (2022).

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.
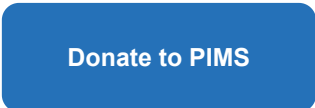

We Want to Hear from You
Share your feedback on this month's newsletter and tell us what stories and news you would like to hear more of.

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