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Pacific Institute *for the*
Mathematical Sciences

PIMS MONTHLY CONNECTION | February 2024

Hello from PIMS

February is here and we continue to enjoy the new year and all the events taking place across our member networks. Click the content table below for news and events taking place across the PIMS Network.

PIMS News:

- [First Nations University joins PIMS as an Affiliate member](#)
- [2023 PIMS/UBC Mathematical Sciences Early Career Award Announced: Trevor Campbell](#)
- [Former PIMS Deputy Director David Brydges Wins 2024 Dannie Heineman Prize for Mathematical Physics](#)

Opportunities Across the Network:

- March 16, 2024: [Poster Session Deadline: NCTS-PIMS workshop in PDE](#)
- March 23, 2024: [Deadline to apply for the Summer School on Koszul Duality in the Local Langlands Program](#)
- March 31, 2024: [Organize a Special Session at MCA 2025 in Miami](#)
- April 14, 2024: [Call for Proposals: Network Wide Graduate Courses](#)

Featured Events:

- January 31: [PIMS Emergent Research-PDF Seminar: Konstantinos Mamis](#)
- February 14: [PIMS Emergent Research-PDF Seminar: Daniel Kessler](#)
- February 29: [PIMS Network Wide Colloquium: Sarah Koch](#)
- February 29 - March 1: [France-Western Canada Workshop on Ocean and Polar Sciences](#)

K- 12 Education Opportunities:

- February 16, 2024: [Last Call: Proposal deadline for Education Events](#)
-



[First Nations University joins PIMS as an Affiliate member](#)

The Pacific Institute for the Mathematical Sciences (PIMS) is pleased to announce that First Nations University (FNU) has joined PIMS as an Affiliated Member. FNU is dedicated to enhancing the quality of life and preserving, protecting, and interpreting the history, language, culture, and artistic heritage of First Nations. This partnership with PIMS will enable both organizations to collaborate in support of Indigenous-led initiatives in the mathematical sciences, aligning with the principles of reconciliation.

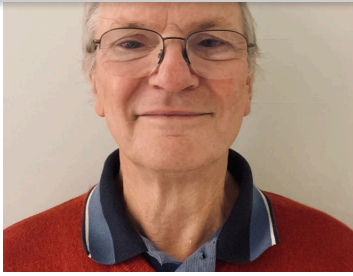
[Read News Release](#)



[2023 PIMS/UBC Mathematical Sciences Early Career Award Announced: Trevor Campbell](#)

PIMS is pleased to announce that Dr. Trevor Campbell is the recipient of the 2023 PIMS/UBC Mathematical Sciences Early Career Award. This prize recognizes UBC researchers for their leading-edge work in mathematics or its applications in the sciences. Dr. Campbell is an associate professor in the Department of Statistics at the University of British Columbia.

[Read the Full Announcement](#)



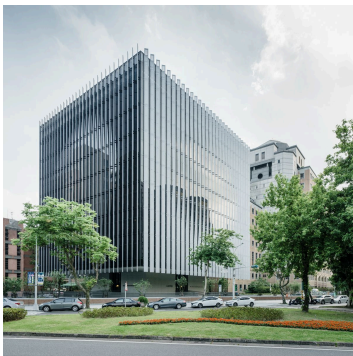
[DAVID BRYDGES WINS 2024 DANNIE HEINEMAN PRIZE FOR MATHEMATICAL PHYSICS](#)

Former PIMS Deputy Director David Brydges (2008 - 2009) is the recipient of the 2024 Dannie Heineman Prize for Mathematical Physics “for achievements in the fields of constructive quantum field theory and rigorous statistical mechanics, especially the introduction of new techniques including random walk representation in spin systems, the lace expansion, and mathematically rigorous implementations of the renormalization group.”

This annual award, given by the American Institute of Physics (AIP) and the American Physical Society (APS), recognizes significant contributions within the field of mathematical physics and will be presented at the upcoming APS March Meeting in Minneapolis.

[Read the Full Announcement](#)

PIMS NETWORK OPPORTUNITIES



[Poster Session Deadline: NCTS-PIMS workshop in PDE](#)

This is a joint workshop between NCTS and PIMS. Happening in June, 2024, the workshop is aimed at promoting research collaboration and fostering exchanges between Taiwan and Canada. We hope to continue this positive trend through this workshop and further enhance our collaboration. The subject of this workshop focuses on PDE. The poster session deadline is on **March 16th, 2024**.

[See Details Here](#)

[Organize a Special Session at MCA 2025 in Miami](#)

The [Mathematical Council of the Americas](#) welcomes special session proposals for the next Mathematical Congress of the Americas (MCA 2025), in Miami, July 21-25, 2025. Organizational teams should have representation from two or more countries in the Americas, and proposals should be topically broad, with the potential to bring together diverse groups of researchers from multiple countries in the Americas. The deadline to apply is **March 31st, 2024**.



[Application Details](#)



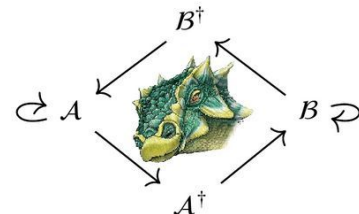
[Call for Proposals: Network Wide Graduate Courses](#)

We invite proposals for graduate courses in the mathematical sciences to take place in either term of the **2024-2025 academic year**. This program benefits instructors by reaching a larger potential audience and students by offering a broader variety of courses. The courses will be designated as PIMS Network-wide graduate courses, and will be advertised and promoted throughout the PIMS network. If you are interested in participating as an instructor, please complete the instructor application form on the PIMS courses website by **April 14, 2024**.

[Application Details](#)

[Summer School on Koszul Duality in the Local Langlands Program](#)

This summer school provides the mathematical background to recognize Koszul duality in representation theory. The



Koszul duality patterns have been initially observed in the context of Hecke algebras, our school will also introduce the students to Hecke algebras and their categorifications. PhD students from PIMS member universities may **apply by March 23rd, 2024** for consideration.

[Application Details](#)

FEATURE EVENTS



[The PIMS Postdoctoral Fellow Seminar: Konstantinos Mamis](#)

January 31, 2024: Online

9:30 AM Pacific Time

Konstantinos Mamis is a PIMS-Simons postdoctoral fellow currently at the University of Washington. In his current position, he focuses on stochastic models for cancer, being a member of Prof. Bozic's research group.

[See Details Here](#)



[The PIMS Postdoctoral Fellow Seminar: Daniel Kessler](#)

February 14, 2024: Online

9:30 AM Pacific Time

Daniel Kessler is a PIMS-Simons postdoctoral fellow currently at the University of Washington. His research interests include the statistical analysis of networks, post-selective inference, high-dimensional statistics, applications involving human neuroimaging,

[See Details Here](#)

[PIMS Network Wide Colloquium:](#) [Sarah Koch](#)

February 29, 2024: Online

1:30 PM Pacific Time

Sarah Koch is an Arthur F. Thurnau Professor in the Department of Mathematics at the University of Michigan. Her research incorporates topology, algebraic geometry, complex analysis, and Teichmüller theory to better understand complex dynamical systems (in one and several variables) and their associated dynamical moduli spaces from both analytic and algebraic points of view.

Talk details to follow soon.

[Register Here](#)

[France - Western Canada](#) [Workshop on Ocean and Polar](#) [Sciences](#)

February 29 - March 1, 2024: Hybrid

The France - Western Canada Workshop on Ocean and Polar Sciences will focus on quantitative approaches and analysis in this field. This workshop is organized as a satellite event within the framework of the *France-Canada Joint Committee on Science, Technology, and Innovation*, launched in April 2023. The main goal of the workshop is to identify shared research themes, to explore possibilities for new interactions, and to foster further cooperation between

EDUCATION OPPORTUNITIES



Last Call: 2024 PIMS Call for Education Proposals

PIMS welcomes applications for support of K-12 education activities in the mathematical sciences to occur after April 3, 2024. Applications for requests ranging from \$500 - \$5,000 CAD are open until the **deadline on February 16, 2024**.

[See Application Details](#)

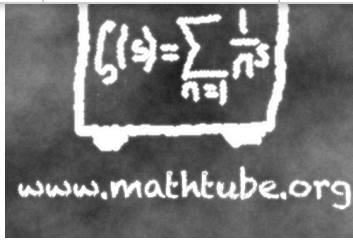
View our calendars for more meetings and events

[Scientific Events](#)

[Education Events](#)

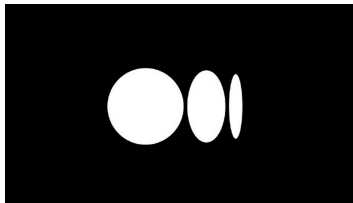
[Industrial Events](#)

MEDIA



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](#)

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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 xwməθkwəy̓əm (Musqueam), Skwxwú7mesh (Squamish), and Səlilwətaʔ/Selilwitulh (Tsleil-Waututh) Nations.

www.native-land.ca