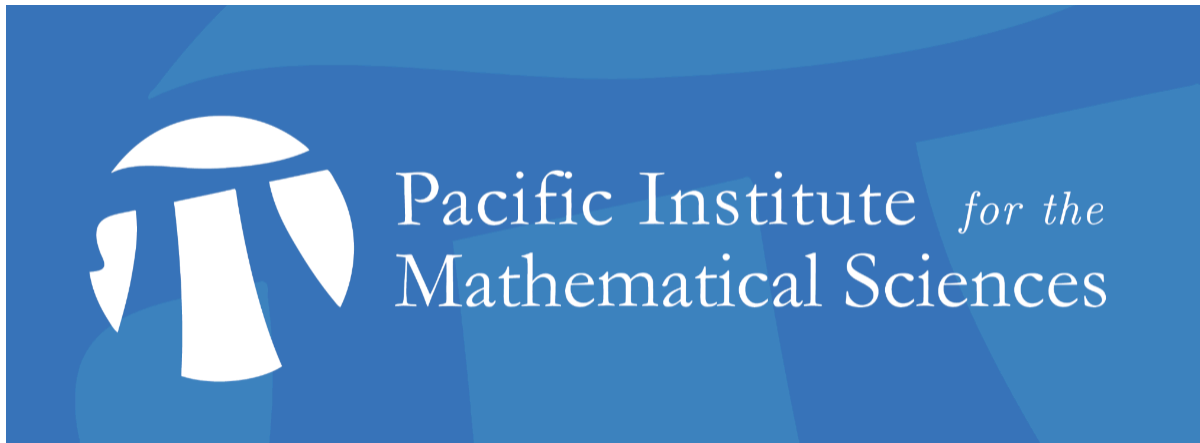


[View this email in your browser](#)PIMS MONTHLY CONNECTION | **March 2025**

Hello from PIMS

The March edition of the PIMS newsletter is here! Below, we have curated a list of events and meetings taking place at our member universities this month.

Opportunities Across the Network:

- **Registration Now Open:** [Operator Analysis on Function Spaces Conference](#)
- **Nominations Closing Soon:** [PIMS Education Prize](#)
- **Job Posting Closing Soon:** [Co-Director, Programs at the Pacific Institute for the Mathematical Sciences](#)
- **Early Registration Open:** [Canadian Discrete and Algorithmic Mathematics Conference \(CanaDAM\)](#)
- **Registration Closing Soon:** [Network-Wide Graduate Course - Translation Surfaces](#)
- **Applications Now Open:** [2025-2026 PIMS/BIRS Team Up! Program](#)
- **Registration Now Open:** [Spring Time in Mathematical Quantum Physics](#)
- **Call for New Courses:** [2025/26 PIMS Network-Wide Courses](#)

Featured Events:

- **March 7th:** [M2PI Case Studies Virtual Seminar Series](#)
- **March 12th:** [PIMS Emergent Research Seminar: Konstantinos Mamis](#)
- **March 20th:** [PIMS Network Wide Colloquium: Mariel Vázquez](#)
- **March 21st:** [PIMS/UBC Mathematical Sciences Early Career Award Lecture: Christos Thrampoulidis](#)
- **March 26th:** [PIMS Emergent Research Seminar: Wenjun Zhao](#)

PIMS NETWORK OPPORTUNITIES

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[Analysis on Function Spaces Conference](#)

The OAFS conference (from June 13-15, 2025 at the University of Manitoba) aims to spotlight several evolving sub-fields, such as operator algebras, free analysis, harmonic analysis and complex geometry, by gathering experts and early-career researchers from around the world to showcase their work through plenary talks, invited talks and parallel contributed sessions. The conference will also include a poster competition for students who wish to venture further in this evolving area of mathematics.

Registration is now open for all, and it will close once it reaches 50 participants. Every registered participant will be provided with accommodation, breakfast and lunch for the duration of the conference.

[View Conference Details](#)

[Nominations Closing Soon: PIMS Education Prize](#)

Every year the Pacific Institute for the Mathematical Sciences accepts nominations for the PIMS Education Prize. The prize is \$1,000 and is intended to recognize individuals or groups from PIMS universities, or other educational institutions in Alberta, British Columbia, Manitoba, Saskatchewan and Washington who have played a major role in encouraging activities which have enhanced public awareness and appreciation of the mathematical sciences, as well as fostering communication among various groups and organizations concerned with mathematical training at all levels. Please visit the PIMS website to view nomination requirements and other details. **The deadline to nominate is March 14, 2025.**





[Job Posting Closing Soon: Co-Director, Programs at the Pacific Institute for the Mathematical Sciences](#)

Applications are invited for the position of Co-Director, Programs at the Pacific Institute for the Mathematical Sciences (PIMS) for a term of up to five years, beginning on (preferably) September 1, 2025. The PIMS Board of Directors appoints two faculty members at PIMS Member Universities as Co-Directors as a result of a competitive search process.

The PIMS Co-Directors will report to the PIMS Director, serve for up to 5 years and may be reappointed for at most one additional term of up to 5 years. The Co-Director, Programs is responsible for the running of PIMS programs that aim to create and support academic research communities.

Applications may be submitted via [MathJobs](#) until **March 31, 2025**.

[View Application Details](#)

[Early Registration Open: Canadian Discrete and Algorithmic Mathematics Conference \(CanaDAM\)](#)



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University of Ottawa and Carleton University and will be held at the University of Ottawa on May 20-23, 2025. Early registration for CanaDAM 2025 is now open for students, postdocs, and regular participants. **The deadline to register early at a discounted fee is March 31, 2025.** Regular registration will be open until May 5, 2025.

[View Conference Details](#)

[Registration Closing](#)

[Soon: Network-Wide Graduate Course - Translation Surfaces](#)

Registration is still open for the course "Translation Surfaces", running from March 31-June 6, 2025. This course is available for registration under the Western Dean's Agreement but registrations must be approved by the course instructor. Please contact the course instructors and provide details of how you meet the course prerequisites through the Courses website. Students at Canadian PIMS member universities participating in the course may apply for graduate credit via the [Western Dean's Agreement](#). Please encourage interested graduate students in your department(s) to apply.

[View Course Details](#)

2026 PIMS/BIRS Team Up! Program

The PIMS/BIRS Team Up! Pathways to Inclusive Research program is aimed at researchers whose research program may have been affected by various obstacles like family obligations, professional isolation, and access to funding. This includes, but need not be limited to, women, gender-expansive, and minoritized groups, Indigenous scholars, individuals with visible/invisible challenges, and early-career researchers with limited resources. Successful groups of 2 to 6 collaborators will be supported for two weeks at either the Banff International Research Station (BIRS) or the Kelowna BIRS site where they will be able to focus on their research. **Applications are open until April 15, 2025.**



Program Highlights

- Two weeks at a world class research facility, with your collaborators, focusing on your research.
- Accommodation and meals provided.
- Travel reimbursement available.
- Additional support available for researchers with caregiving responsibilities (e.g. travel, lodging and meals for children and a caregiver).

PIMS/BIRS Team Up! primarily targets those whose research program may have been disproportionately affected by various obstacles like family obligations, professional isolation, access to funding, etc. Spend two weeks working with groups of 2-6 collaborators and getting support at world class research facilities like the Banff International Research Station (BIRS) or the Kelowna BIRS site. We strongly encourage applications from women, gender-expansive individuals, Indigenous scholars, persons with visible/invisible disabilities, and other minoritized groups. The program is also open to early-career researchers and those with limited resources. If you have any questions about eligibility, program benefits or any other aspects of the program, please contact us at events@pims.math.ca.



APPLY NOW

Starts April 15, 2025



[View Program Details](#)

INVITED SPEAKERS:

- Nick Resonator
- Clara Boccia
- Alex Bala
- Martin Bruneau
- Judy Cheng
- Alexandre Drouot
- Harshad Mehta
- Johnnie Jacobson
- Sam Andrew Goff
- Christina Heitsch
- Alexey Kitaev
- Tatiana Korshakova
- Przemyslaw Miemietz
- Mikhail Lapidus
- Dimitrios Mitsouras
- Frank Neukirch
- Florian Tischler
- Marcus Popp
- Sören Schuch
- Robert Springer
- Jacob Shapiro

UNIVERSITY OF BRITISH COLUMBIA
EARTH SCIENCES BUILDING | ROOM 202

DETAILS
The Spring Time in Mathematical Quantum Physics workshop gathers leading experts and emerging researchers to explore analytical and topological aspects of many-body quantum mechanics.

Topics Covered:

- Effective macroscopic description of many-body quantum systems using non-linear equations
- Microscopic analysis of exotic, highly entangled quantum states.

REGISTRATION
Free registration - Sign up required

ORGANIZERS
Sven Bachmann, Chiara Saffirio

SPONSORS
Pacific Institute for the Mathematical Sciences, UBC Mathematics, THE UNIVERSITY OF BRITISH COLUMBIA Faculty of Science, MΦ

Registration Now Open: Spring Time in Mathematical Quantum Physics

The Spring Time in Mathematical Quantum Physics workshop (May 5-9, 2025) will gather leading experts and emerging researchers to explore analytical and topological aspects of many-body quantum mechanics. Discussions will cover topics such as the effective macroscopic description of many-body quantum systems using non-linear equations and the microscopic analysis of exotic, highly entangled quantum states. **Registration is free and now open; to attend, all participants must register through the PIMS website.**

[View Workshop Details](#)

[Call for New Courses: 2025/26](#)

[PIMS Network-Wide Courses](#)



PIMS would like to hear from instructors who want to share their courses with participants at other PIMS universities. We invite proposals for graduate level courses in the mathematical sciences to take place in either term of the **2025 - 2026 academic year**. Students in these courses may be eligible for credit under the terms of the [Western Deans Agreement](#) (though conditions apply). This program is intended to benefit instructors by reaching a larger audience and offering students a deeper variety of courses. If you are interested in participating as an instructor, **please complete the application form by May 1, 2025**.

[View Application Details](#)

FEATURED EVENTS



[M2PI Case Studies Virtual Seminar Series](#)

March 7, 2025: Online

12 PM PST | 1 PM MST | 2 PM EST

PIMS is pleased to announce the *M2PI Case Studies Virtual Seminar Series*. This new series is designed to bring together graduate students, postdoctoral fellows, and faculty members in the mathematical sciences with members of business, industry, not-for-profit, and government sectors across western Canada. An organizational meeting for this seminar was held on February 21, 2025. The series will meet virtually **every two weeks via Zoom**. The first talk in the series will be by **Sumin Lee on March 7, 2025**.

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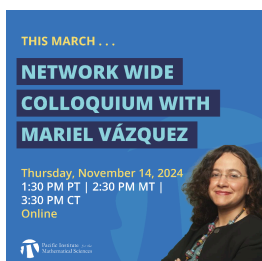
[PIMS Emergent Research Seminar: Konstantinos Mamis](#)

March 12, 2025: Online

9:30 AM PST | 10:30 AM MST | 11:30 AM CST

Konstantinos Mamis obtained his PhD in Stochastic Dynamics from the National Technical University of Athens, Greece, in 2020. As a postdoctoral researcher, he worked for a year in the North Carolina State University Math Department on stochastic compartmental models in epidemiology. In his current postdoctoral appointment, he is a member of Prof. Ivana Bozic's group in the University of Washington Applied Math Department, focusing on the stochastic modeling of colorectal cancer initiation. His previous PIMS Emergent Research Seminar talk was titled "A simple stochastic model for cell population dynamics in colonic crypts".

Register to attend. PIMS will send a reminder email on the day of the event.

[See Event Details](#)

[PIMS Network Wide Colloquium: Mariel Vázquez](#)

March 20, 2025: Online

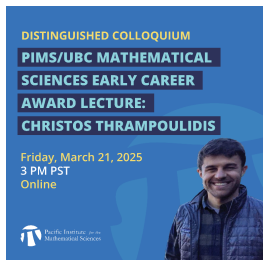
1:30 PM PST | 2:30 PM MST | 3:30 PM CST

Mariel Vázquez is a mathematical/computational biologist at the University of California, Davis. She was selected for the inaugural class of Association for Women in Mathematics fellows in 2017 and

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interface of topology and molecular biology, and for service to the mathematical community in particular to underrepresented groups." Her research lies at the interface of molecular biology, mathematics, computer science, and polymer physics. She specializes in the application of topological tools and discrete methods to study DNA, RNA, and their interactions with proteins.

Register to attend. PIMS will send a reminder email on the day of the event.

[View Event Details](#)

[PIMS/UBC Mathematical Sciences Early Career Award Lecture: Christos Thrampoulidis](#)

**March 21, 2025: University of British Columbia & Online
3 PM PST**

Dr. Christos Thrampoulidis, Associate Professor in the Department of Electrical and Computer Engineering at UBC, is the 2024 recipient of the PIMS/UBC Mathematical Sciences Early Career Award. This award recognizes UBC researchers for their innovative contributions to mathematics or its applications in the sciences. Notably, Dr. Thrampoulidis is the first recipient of this honour from outside the Mathematics or Statistics Department. Dr. Thrampoulidis' research lies at the intersection of statistical signal processing, machine learning, high-dimensional statistics, and optimization. Before joining UBC, he served as an Assistant Professor at the ECE Department of the University of California, Santa Barbara.

*Dr. Thrampoulidis will give an award lecture in-person and online.
We welcome all those interested to attend.*

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[PIMS Emergent Research Seminar: Wenjun Zhao](#)

March 26, 2025: Online

9:30 AM PST | 10:30 AM MST | 11:30 AM CST

Wenjun Zhao is a PIMS-Simons postdoctoral fellow at the University of British Columbia currently working with the Kantorovich Initiative. She received her Ph.D. from the Courant Institute of Mathematical Sciences, New York University in 2021, and was an assistant professor of Applied Mathematics (postdoctoral position) at Brown University from 2021 to 2024. Her research interests include optimal transport and its applications in statistics and computational biology. In Fall 2025, she will join Wake Forest University as a tenure-track assistant professor of mathematics.

Register to attend. PIMS will send a reminder email on the day of the event.

[See Event Details](#)

View our calendars for more meetings and events

[Scientific Programs](#)

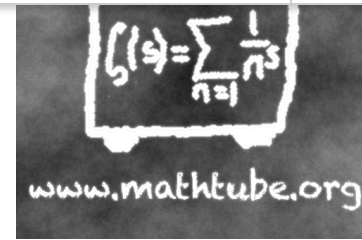
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MEDIA

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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.



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](#)

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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