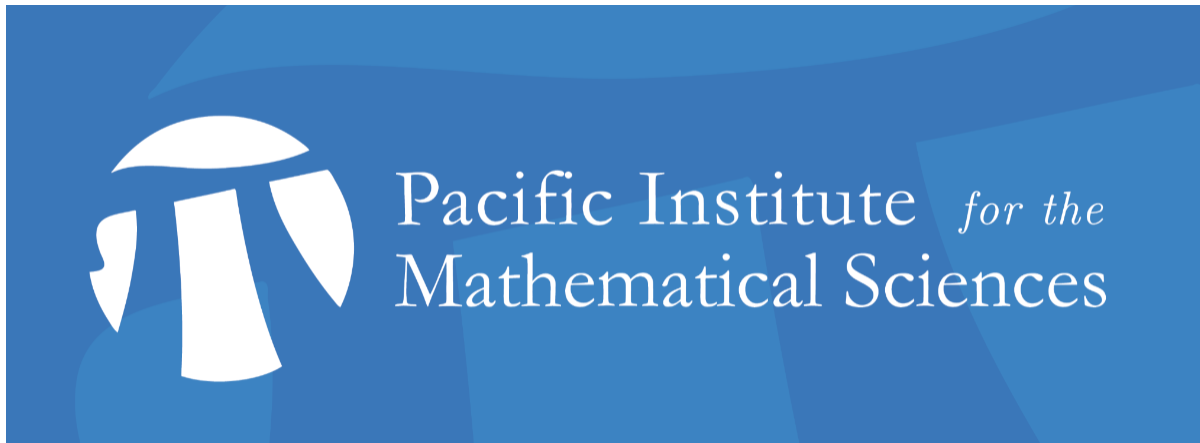


[Subscribe](#)[Past Issues](#)[Translate ▼](#)[View this email in your browser](#)PIMS MONTHLY CONNECTION | **November 2025**

Hello from PIMS

Welcome to the November edition of the PIMS Connection — showcasing events and initiatives that reflect PIMS's ongoing commitment to research, innovation, and collaboration in the mathematical sciences.

PIMS News:

- [PIMS Board Meeting 2025: Strengthening Collaboration Across Mathematical Sciences](#)
- [PIMS Visits with the French Consulate to the TRIUMF Particle Accelerator](#)
- [Dr. Melania Alvarez Awarded the IEEE EAB Meritorious Achievement Award in Pre-University Education](#)

Upcoming Deadlines Across the Network:

- **Reminder:** [CRM-Fields-PIMS Prize Nominations Due November 1, 2025](#)
- **Registration Now Open:** [Winter 2026 PIMS Network-Wide Courses](#)
- **Registration Now Open:** [Optimal Transport: Stochastics, Projections, and Applications](#)
- **Registration Now Open:** [Joint PIMS-ICMS Big Data Before Data Science Conference](#)
- **Reminder:** [CAIMS/PIMS Early Career Award Nominations](#)
- **Reminder:** [PIMS Postdoctoral Fellowship Nominations](#)
- **Open Call:** [2026 Education Outreach Proposals](#)

Feature Events:

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- **November 7th:** [USask Mathematics & Statistics Colloquium: Madeline Ward](#)
- **November 20th:** [PIMS Network Wide Colloquium: Maria Chudnovsky](#)

PIMS NEWS



PIMS Board Meeting 2025: Strengthening Collaboration Across Mathematical Sciences

PIMS held its Winter 2025 Board of Directors Meeting at Simon Fraser University's Burnaby campus, bringing together members from partner universities in Canada and Washington, along with representatives from CNRS.



PIMS Visits with the French Consulate to the TRIUMF Particle Accelerator



We were pleased to have welcomed **Christophe Besse**, Director of Mathematics, and **Frédéric Hérau**, Scientific Deputy Director, from the **Centre National de la Recherche Scientifique** ([CNRS](#)).

It was an honour to discuss collaborations between PIMS and CNRS, and to host a scientific session featuring members of the PIMS International Research Laboratory. Thank you to our

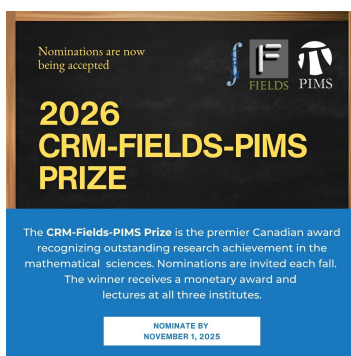


[Dr. Melania Alvarez Awarded the IEEE EAB Meritorious Achievement Award in Pre-University Education](#)

PIMS Education Coordinator Dr. Melania Alvarez has been awarded the prestigious IEEE Educational Activities Board (EAB) Meritorious Achievement Award in Pre-University Education for her outstanding leadership, mentorship, and impact in mathematics education. We extend our warmest congratulations to Dr. Alvarez on this well-deserved recognition and celebrate her contributions to the advancement of mathematics education.

[Read Full Article](#)

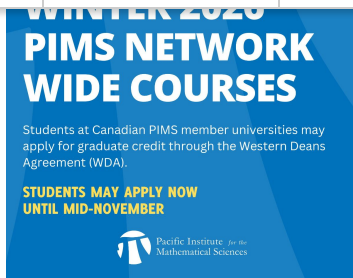
PIMS NETWORK DEADLINES



[Reminder: CRM-Fields-PIMS Prize Nominations Due November 1, 2025](#)

Time is running out to submit nominations for the CRM-Fields-PIMS Prize, Canada's most prestigious award recognizing exceptional research in the mathematical sciences. Nominees must have conducted their research primarily in Canada or in affiliation with a Canadian university.

[View Nomination Details](#)

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[2026 PIMS Network-Wide Courses](#)

Register now for 4 new PIMS Network-Wide Graduate Courses offered in Winter 2026. Students at Canadian PIMS member universities may apply for graduate credit through the Western Deans Agreement (WDA).

Winter 2026 Courses:

- Advanced studies in Theoretical and Computational Biology: *Anotida Madzvamuse (University of British Columbia)*
- Optimal Transport: Theory and Applications: *Soumik Pal (University of Washington), Young-Heon Kim (University of British Columbia)*
- Algebraic Topology I: *Ben Williams (University of British Columbia)*
- Applied Stochastic Analysis: *Miranda Holmes-Cerfon (University of British Columbia)*

Courses begin **January 2026**, and **WDA deadlines may fall as early as mid-November**.

Students are encouraged to review course details and contact instructors promptly.

[View Registration Details](#)



[Registration Now Open: Optimal Transport: Stochastics, Projections, and Applications](#)

This interdisciplinary workshop, taking place **November 5-7**, brings together two cutting-edge research areas—stochastic transport and Wasserstein projections—to explore their surprising connections and shared potential.

Stochastic transport focuses on dynamic, time-aware processes and has applications in machine learning, finance, biology, and more. Wasserstein projections offer robust tools for model fitting, especially under uncertainty. Together, these approaches open new pathways in both theory and applications.

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Registration open until November 5, 2025.

[View Conference Details](#)

[Registration Now Open: Joint PIMS-ICMS Big Data Before Data Science Conference](#)

Join us for the Joint PIMS–ICMS Big Data Before Data Science Conference, held in person at the University of British Columbia, Vancouver, **December 9–12, 2025**. Jointly organized by PIMS and the International Centre for Mathematical Sciences (ICMS), this event explores how historical data practices continue to shape modern data science, examining the legacies of past tools, methods, and standards that still influence today’s approaches to data collection and analysis. **Registration is now open for in-person participation.**

[View Conference Details](#)

[Reminder: CAIMS/PIMS Early Career Award Nominations](#)

There’s still time to nominate an outstanding early-career researcher for the CAIMS/PIMS Early Career Award in Applied Mathematics.

This \$1,000 prize recognizes outstanding research and innovation by mathematicians working in or affiliated with Canadian institutions.



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[Reminder: PIMS Postdoctoral Fellowship Nominations](#)

PIMS invites nominations for Postdoctoral Fellowships beginning in the **2026–2027** academic year, supporting exceptional early-career researchers in the mathematical sciences at any PIMS member university.

Nominations must come from a PIMS-affiliated scientist or department. Matching funds requirement has increased to \$30,000. **Deadline is December 1, 2025.**

[View Nomination Details](#)

[Open Call: 2026 Education Outreach Proposals](#)

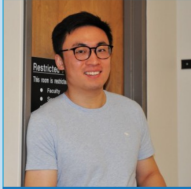
PIMS is accepting 2026 proposals for educational outreach in the mathematical sciences — including student camps, teacher workshops, and initiatives for underrepresented communities across the PIMS network.

Funding ranges from \$500–\$5,000. Proposals are evaluated on innovation, mathematical content, feasibility, and commitment to equity, diversity, and inclusion. **Deadline is January 31, 2026.**

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PIMS Postdoctoral Fellow Seminar



NOVEMBER 5TH
TYLAR JIA
UNIVERSITY OF VICTORIA



NOVEMBER 19TH
ANTOINE LEUDIÈRE
UNIVERSITY OF CALGARY

Register to attend the Postdoctoral Fellow Seminar series this November. Engage with new research from exceptional early-career researchers supported by PIMS.

ONLINE | 1:30 PM PT / 2:30 PM MT / 3:30 PM CT



[2025/2026 PIMS Postdoctoral Fellow Seminar Series](#)

November 2025: Online

Register for the **2025/26 PIMS Postdoctoral Fellow Seminar Series**, featuring cutting-edge research from early-career mathematicians supported by PIMS.

Upcoming Talks:

- **November 5th:** [From U-Net to Diffusion: Smarter Power Forecasts with Adaptive Uncertainty](#) - Tianxia (Tylar) Jia (University of Victoria)
- **November 19th:** Antoine Leudière (University of Calgary)

Talks take place online at 1:30 PM PT / 2:30 PM MT / 3:30 PM CT.

[See Event Details](#)

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[CRG Seminar\): Daniel Appelö](#)

November 6, 2025: University of California Merced/ Online

[Kraus Is King: High-Order Completely Positive and Trace Preserving \(CPTP\) Low Rank Method for Open Quantum Computing Systems](#)

Daniel Appelö is a Professor of Mathematics at Virginia Tech and affiliated with the Computational Modeling and Data Analytics (CMDA) program.

This hybrid event is part of the PIMS Collaborative Research Group "[Structure-Preserving Discretizations and their Applications](#)".

[See Event Details](#)



[USask Mathematics & Statistics Colloquium: Madeline Ward](#)

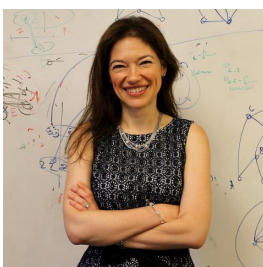
November 7, 2025: University of Saskatchewan

[Accounting for Changing Behaviour in Bayesian Epidemic Models](#)

Madeline Ward is a PhD student in Biostatistics at the University of Calgary.

For livestream access, please contact colloquium@math.usask.ca.

[See Event Details](#)



[PIMS Network-Wide Colloquium: Maria Chudnovsky](#)

November 20, 2025: Online

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theory and combinatorics. She is a MacArthur Fellow and co-recipient of the 2009 Fulkerson Prize for the proof of the Strong Perfect Graph Theorem. Her research on graph structures has broad applications in areas such as transportation systems and computer networks.

This online talk is part of the [PIMS Network-Wide Colloquium Series](#).

*Register once to attend all sessions. Talks take place online at **1:30***

PM PT / 2:30 PM MT / 3:30 PM CT.

[See Event Details](#)

View our calendars for more meetings and events

[Scientific Programs](#)

[Education Programs](#)

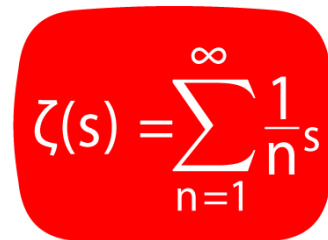
[Industrial Programs](#)

MEDIA

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$$\zeta(s) = \sum_{n=1}^{\infty} \frac{1}{n^s}$$

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Founded in 1996, the **Pacific Institute for the Mathematical Sciences** (PIMS) promotes discovery, understanding, and collaboration in the mathematical sciences. With a network spanning **Western Canada and Washington State**, PIMS supports research, training, and outreach through **Collaborative Research Groups**, **Postdoctoral Fellowships**, and competitive event funding. Our mission is to advance excellence in mathematics while fostering equity, diversity, inclusion, and global partnerships.

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PIMS education and outreach programs reach educators and students through summer schools, math contests, and teacher workshops. Learn more about how your support helps us strengthen mathematical education and engagement.

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