

PIMS AT-A-GLANCE



Pacific Institute *for the*
Mathematical Sciences

The **Pacific Institute for the Mathematical Sciences (PIMS)** is a consortium established by universities in western Canada and the Pacific Northwest.

Our mandate is to promote research in the mathematical sciences and their applications, 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 (with a particular focus on the Pacific Rim).

PIMS MEMBER UNIVERSITIES

Simon Fraser University	University of Manitoba
University of Alberta	University of Regina
University of BC	University of Saskatchewan
University of Calgary	University of Victoria
University of Lethbridge	University of Washington

AFFILIATED INSTITUTIONS

Portland State University
University of Northern British Columbia
First Nations University of Canada

Funded by the Natural Sciences & Engineering Research Council of Canada (NSERC), Simons Foundation, and member universities & by private donors.

PIMS supports the mathematical sciences community by funding research activities and collaborative initiatives across the PIMS network, including:

- **Conferences, Workshops & Summer Schools**
- **Distinguished Visitors**
- **Innovation Activities (industry & non-academic partners)**
- **Collaborative Research Groups (CRGs)** bring together researchers to advance joint research programs. Supported by PIMS' resources, CRGs coordinate seminars and workshops, support joint postdoctoral appointments, and develop collaborative graduate training.
- **PIMS Research Networks (PRNs)** bring together researchers across the PIMS network and foster collaboration across academia, industry, and the public sector – integrating research, training, and strong external partnerships.
- **International partnerships** including the PIMS-CNRS IRL, NCTS, ICMS and more.
- **PIMS-BIRS-Simons Travel Award** provides funding for travel for researchers attending a BIRS event who also visit a PIMS-affiliated institution.

- **Small-Scale Activities Funding** supports short-term visitors, rapid-response events, and other emerging initiatives: pims.math.ca/programs/scientific/scientific-proposals#p-discretionary.
- **Seminar Series** (annual September deadline): pims.math.ca/programs/scientific/scientific-proposals#p-seminars
- **Education & Outreach Activities**

Most programs are adjudicated through the annual competition, with proposals due October 1:

pims.math.ca/programs/scientific/scientific-proposals

PIMS POSTDOCTORAL FELLOWSHIPS

PIMS Postdoctoral Fellowships supports outstanding early-career researchers in the mathematical sciences. Candidates are nominated by PIMS-affiliated faculty or departments. Awards include \$30,000, with additional co-funding and support from the Simons Foundation.

PIMS NETWORK WIDE PROGRAMS

Network-Wide Programs provide access to leading experts and shared learning opportunities:

- **Graduate Courses:** A diverse range of graduate-level courses offered across PIMS institutions, with cross-registration through the Western Deans Agreement.
- **Colloquium Series:** Online talks by distinguished speakers delivered during the academic term.

MATHEMATICS IN INDUSTRY & INNOVATION

PIMS connects mathematical researchers with industry, government, and community partners to address real-world challenges in areas such as AI, climate science, health, energy, and data science.

M2PI

A three-week, work-integrated learning program that connects industry, government, and organizations with highly trained graduate students and postdoctoral researchers to address real-world challenges through advanced mathematical thinking. [M2PI.ca](https://m2pi.ca)

SPECIAL PARTNERSHIPS: PIMS-CNRS

PIMS has been an **International Research Laboratory** (IRL #3069) since 2007 with France's CNRS – supporting collaboration between researchers in Canada and France, including:

- Postes Rouges: Funding for faculty research visits
- Europe Fellowships: Support for extended stays
- CNRS Visitors: Placements for French researchers at PIMS institutions
- Postdoctoral Fellowships: Opportunities for researchers with ties to France

COMPUTATIONAL PLATFORMS

Syzygy is a free-access initiative that we offer along with Digital Research Alliance of Canada that provides Jupyter-based computing environments for educational institutions across Canada. [Syzygy.ca](https://syzygy.ca)

K-12 EDUCATION & OUTREACH

Mathematical literacy and training for students, teachers, and communities, including:

- Teacher training and professional development
- Student enrichment and summer camps
- Indigenous student programming
- Workshops connecting educators, families, and mathematicians. Funding proposals: pims.math.ca/programs/educational/education-proposals



**Celebrating 30 years
of advancing the mathematical
sciences through research,
collaboration, & training.**

SPECIAL EVENTS & MENTIONS

PIMS Thematic Year: Mathematics & Artificial Intelligence (2026–2027)

Supported in part by the Simons Foundation, the 2026–2027 Thematic Year brings together researchers to advance the mathematical foundations of AI, and explore how AI is reshaping mathematics itself, through workshops, conferences, collaborative research, and community engagement, helping shape AI that is more reliable, efficient, transparent, and trustworthy.

International Recognition Across the PIMS Community

PIMS researchers received outstanding international recognition in 2026, including the IMU Abacus Medal, the Clay Research Award, and numerous invited lectures at the International Congress of Mathematicians (ICM 2026), reflecting the depth and impact of research across the PIMS community.

30 Years of Building Canada's Mathematical Future

PIMS celebrates 30 years of advancing the mathematical sciences by fostering research excellence, training future leaders, and building collaborations across Canada and around the world.

Looking Ahead: Mathematics of Quantum Science & Technology (2027–2028)

PIMS has announced its second Thematic Year, focused on the Mathematics of Quantum Science and Technology. The initiative will support workshops, conferences, summer schools, and collaborative research that advance the mathematical foundations of next-generation quantum technologies.

PIMS strongly believes that equity, diversity, and inclusion strengthen the mathematical community by increasing the impact and relevance of research, widening the pool of qualified potential participants, and enhancing the integrity of programs. The programs & groups we support should promote and develop a rich research community accessible to every member of our network.



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