



Greetings From PIMS!

We are a month into the fall semester and PIMS has been busy across all sites with lectures, colloquiums, events, and educational programs. The [West Coast Optimization Meeting](#) was held at **SFU** with the help of our friends from **UWashington**. Our **ULethbridge** site kicked off their [Number Theory and Combinatorics Seminar Series](#) with a talk from **Peng-Jie Wong**, and **Linda Allen** of **Texas Tech University** gave a [Distinguished Lecture](#) at **UVictoria**. Our Education program for 2017 has begun with the return of [Math Circles for Elementary Students](#), [Math Mania](#) events across **BC**, **Saskatchewan**, and **Manitoba**, and our very own **Dr. Melania Alvarez** is giving a [Distinguished Lecture at UManitoba](#) followed by two teacher workshops designed to help teachers become more comfortable bringing mathematics into the classroom in fun and creative ways.

Part of our mandate is to promote mathematics in industry as it is the foundation for advancements in **technology**, **economics**, **transportation**, **resource management**, **healthcare**, **sustainability** and more. This is why we are especially excited for our annual [PIMS-UBC Math Job Forum for Postdoctoral Fellows and Graduate Students](#) on **October 16th**. Math is everywhere; and mathematicians should be to.

Here is what's happening around the sites: October 2017

- 2 Oct 2017:** [PIMS-IAM Distinguished Colloquium: Vladimir Dorodnitsyn](#) at the **University of British Columbia**
- 3 Oct 2017:** [Discrete Math Seminar: Imre Barany](#) at the **University of British Columbia**
- 3 Oct 2017:** [SCAIM: Eldad Haber](#) at the **University of British Columbia**
- 4 Oct 2017:** [Probability Seminar: Yinon Spinka](#) at the **University of British Columbia**
- 4 Oct 2017:** [Topology Seminar: Craig Westerland](#) at the **University of British Columbia**
- 6 Oct 2017:** [UBC Math Department Colloquium: Craig Westerland](#) at the **University of British Columbia**
- 10 Oct 2017:** [Diff. Geom, Math. Phys., PDE Seminar: Yong Liu](#) at the **University of British Columbia**
- 10 Oct 2017:** [Discrete Math Seminar: Samantha Dahlberg](#) at the **University of British Columbia**
- 12 Oct 2017:** [Vancouver Bioinformatics Users Group \(VanBUG\) Seminar: Lior Pachter](#) at the **BC Cancer Research Centre, Vancouver**
- 14 Oct 2017:** [UBC-SFU Joint Statistics Seminar](#) at **SFU Harbour Centre**
- 16 Oct 2017:** [2017 PIMS-UBC Math Job Forum for Postdoctoral Fellows and Graduate Students](#) at the **University of British Columbia**
- 19 Oct 2017:** [Abelian Varieties Multi-Site Seminar Series: Khoa Nguyen](#) at the **University of Calgary**
- 21 Oct 2017:** [Oregon Number Theory Days](#) at the **University of Oregon**
- 21-22 Oct 2017:** [Canadian Western Algebraic Geometry Symposium](#) at the **University of Alberta**
- 24 Oct 2017:** [Diff. Geom, Math. Phys., PDE Seminar: Pengfei Guan](#) at the **University of British Columbia**
- 26-24 Oct 2017:** [PIMS-UManitoba Distinguished Speaker & Teacher](#)

[PIMS Math Circles Workshops Are Back!](#)

The Pacific Institute for the Mathematical Sciences and **UBC** are excited to be bringing back the **Math Circles Workshops** for elementary school students. We invite students from **grades 4-7** to challenge and develop their **thinking**, **creativity** and **problem solving skills** in this outstanding enrichment program.

[PIMS 2018-2019 Postdoctoral Fellowship Competition Now Open](#)

The Pacific Institute for the Mathematical Sciences (PIMS) invites nominations of **outstanding young researchers** in the mathematical sciences for **Postdoctoral Fellowships** for the year **2018-2019**.

MEDIA

**The Mathematical Legacy of Rufus Bowen - Memorial Lunch Speeches**

Wed, Aug 2, 2017 - Current Trends in Dynamical Systems Conference

(Lectures from PIMS events available at mathtube.org)For more lectures and resources, please visit mathtube.org

PUBLICATIONS

Recent Publications from the PIMS Community:

1. Achter J., Altug S.A., and Gordon J., "[Elliptic curves, random matrices and orbital integrals.](#)" *Pacific Journal of mathematics*, Vol 286, 2017
2. Achter J., and Howe E.W., "[Split abelian surfaces over finite fields and reductions of genus-2 curves.](#)" *Algebra and Number Theory*, Vol. 11, 2017
3. Adem A., Gomez J., Lind J., and Tillman U., "[Infinite loop spaces and nilpotent K-theory.](#)" *Algebraic and Geometric Topology*, Vol. 17, 2017

ABOUT US

The Pacific Institute for the Mathematical Sciences (PIMS) was created in 1996 by the community of mathematical scientists in Alberta and British Columbia, and subsequently extended to 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 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 funds Collaborative Research Groups, Post-Doctoral Fellowships and individual events on a competitive basis.



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