

Pacific Institute *for the* Mathematical Sciences

PIMS MONTHLY CONNECTION | February 2019



Hello from PIMS

There's a lot to squeeze into the shortest month of the year. 2018 Fields Medalist, Alessio Figalli, will be giving a 2-day workshop on partial differential equations at UBC, Françoise Tisseur gives a distinguished colloquium at UManitoba, and Eriko Hironaka will talk at UBC.

IMPORTANT NOTICES:

1. **PIMS Workshop on Calculus Variations and Partial Differential Equations Around the Work of Alessio Figalli.** [Click here for details.](#)
2. **PIMS UManitoba Distinguished Lecture: Françoise Tisseur: February 14 at 4 pm, Robert B. Schultz Lecture Theatre, the University of Manitoba** [Click here for details.](#)
3. **PIMS - UBC Distinguished Colloquium: Eriko Hironaka, February 15 at 3 pm, UBC, ESB Room 2012.** [Click here for details.](#)

January saw a busy start to the year with a collection of great events across the PIMS sites. SFU hosted the third Testing Gravity Conference, UManitoba hosted Nancy Reid for a distinguished lecture, and Amir Akbary presented a number theory and combinatorics seminar at the University of Lethbridge.

Have a great February!

Sincerely,
The PIMS Team

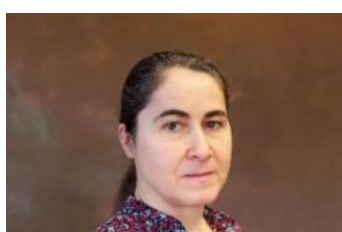
FEATURE EVENTS



[PIMS Workshop on Calculus of Variations and Partial Differential Equations Around the Work of Alessio Figalli](#)

February 8-9, the University of British Columbia

Recent Fields medalist, Alessio Figalli and a few leading researchers in the areas of calculus of variations and partial differential equations, will discuss the state of the art and future directions.



[PIMS - U Manitoba Distinguished Lecture: Françoise Tisseur](#)

Thursday, February 14 at the University of Manitoba @ 4 pm

The Nonlinear Eigenvalue Problem: Recent Developments



[PIMS - UBC Distinguished Colloquium: Eiko Hironaka](#)

Friday, February 15, UBC @ 3 pm

This talk will address: Given a rational map from the Riemann sphere to itself, how does the behaviour of the map near the forward orbits of the critical points determine the rational map itself?

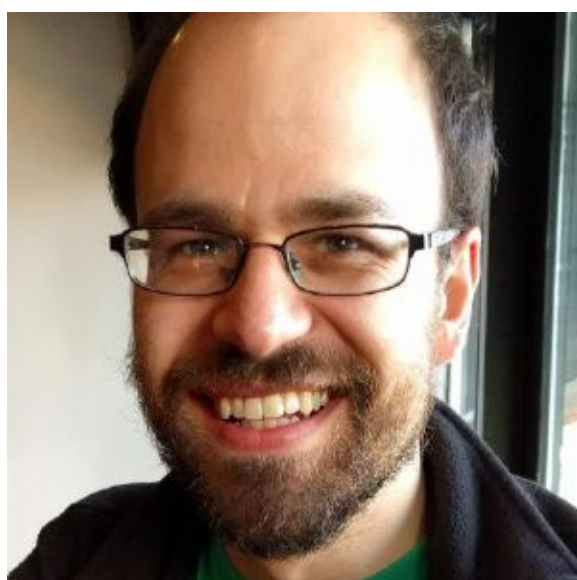
Click below for all events | February 2019

Scientific

Educational

Industrial

NEWS & ANNOUNCEMENTS



[Sciences Young Faculty Award](#)

The 2018 PIMS - UBC Mathematical Sciences Young Faculty was awarded to Alexandre Bouchard-Côté of the Department of Statistics. Alexandre will give an invited colloquium at UBC in November. Congratulations Alexandre!



[Testing Gravity Conference 2019 Held at SFU](#)

Testing Gravity 2019 was the 3rd Testing Gravity conference hosted by SFU and brought together leading experts on various ways of testing laws of gravity. It featured the latest updates from the gravitational wave detectors, cosmological surveys and discussions of recent theoretical advances.



[PIMS Students Achieve Crowdfunding Goal](#)

PIMS students made history by becoming the recipients of the first federal research grant in Canada to be determined through crowdfunding. An additional \$37,500 will now be released, quadrupling the original donations.

MEDIA



[A Rising Star in the Field of Mathematics](#)

An interview with PIMS postdoc and Acting Assistant Professor at the University of Washington, Moumanti Podder.

For more lectures and PIMS resources, please visit mathtube.org

PIMS will not contact you regarding travel reservations or payments. Please be vigilant should you receive any emails, calls or text messages claiming to assist you in making reservations for a PIMS event. Do not provide any personal information such as a social insurance number, credit card number, bank account number, or passport number as these requests are fraudulent in nature.

PIMS COMMUNITY RECENT PUBLICATIONS

1. Songhafouo Tsopméné, P.A., Stanley D., "[Classification of homogeneous functors in manifold calculus](#)" Preprint. Submitted to arXiv:1807.06120.
2. Talpo M., and Vistoli A., "[A general formalism for logarithmic structures](#)" Published online in Boll. Unione Mat. Ital., arXiv:1703.02663. 2017
3. Talpo M., and Pirisi R., "[On the motivic class of the classifying stack of \$G_2\$ and the spin groups](#)" Published online in Int. Math. Res. Not., arXiv:1702.02649. 2017
4. Talpo M., "[Parabolic sheaves with real weights as sheaves on the Kato-Nakayama Space](#)" To appear in Adv. Math. arXiv:1703.04777. 2018

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**. We are proponents of mathematical **collaboration with industry**, **innovation in mathematics education** from K-12 to graduate level initiatives, **public outreach** and **partnerships** with similar organizations around the globe. We fund Collaborative Research Groups, Post-Doctoral Fellowships, individual events, and competitive prizes in mathematics.

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