



# Pacific Institute *for the* Mathematical Sciences

PIMS MONTHLY CONNECTION | March 2019



## Hello from PIMS

It's hard to believe that spring is just around the corner, and this change of seasons will see the snow replaced with a flurry of PIMS activity. There are a wide variety of events across the PIMS sites so take a look at our full [list](#) of what's happening this month and for the rest of the year.

### IMPORTANT NOTICES:

1. **PIMS - U Lethbridge Distinguished Speaker Series: Jayadev Athreya, March 8 at 12 pm.** [Click here for details.](#)
2. **PIMS - U Manitoba Distinguished Lecture: Ilse C.F. Ipsen: March 14 at 4 pm.** [Click here for details.](#)
3. **PIMS - U Alberta Hugh C. Morris Lecture - Jonathan Rubin. March 15 at 4 pm.** [Click here for details.](#)

February was short in days but high in stature from a PIMS perspective. Fields Medalist, Alessio Figalli, gave a distinguished colloquium at UBC; and Fraçoise Tisseur and Eriko Hironaka gave distinguished lectures at U Manitoba, and UBC respectively.

Top tip: to see the cherry blossoms bloom at the University of Washington this year, head to the campus during the third week of March.

Enjoy the start of spring!

Sincerely,  
The PIMS Team

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## FEATURE EVENTS



Geodesics on Platonic Solids. The talk will be elementary and accessible to undergraduates.



[PIMS - U Manitoba Distinguished Lecture: Ilse C.F. Ipsen](#)

**Thursday, March 14 at the University of Manitoba @ 4 pm**

An Introduction to Randomized Algorithms for Matrix Computations



[Hugh C. Morris Lecture - Jonathan Rubin](#)

**Friday, March 15 at the University of Alberta @ 4 pm**

A PIMS sponsored lecture on Mathematical and computational approaches to understanding Parkinson's disease and its treatment.

**Click below for all events | March 2019**

[Scientific](#)

[Educational](#)

[Industrial](#)

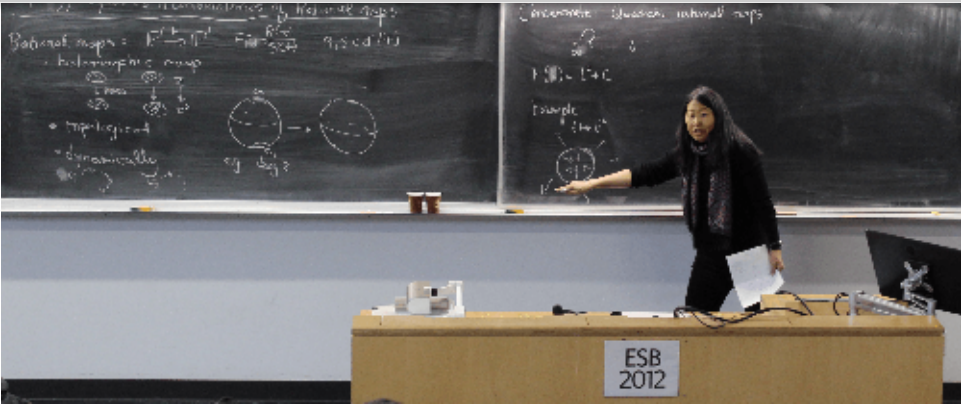
**NEWS & ANNOUNCEMENTS**



[The University of Calgary 2019 Sonia Kovalevski Day](#)

**March 2, 2019, at the University of Calgary**

Sonia Kovalevsky Days have consisted of a program of workshops, problem-solving competitions for female high school and middle school students. The University of Calgary 2019 Sonia Kovalevsky Day will focus on answering the question where is math in the world, interdisciplinary mathematics, and communicating math. The event will consist of brainstorming sessions, lectures, and a mini-research fair.



**[Topology Seminar: Eriko Hironaka](#)**

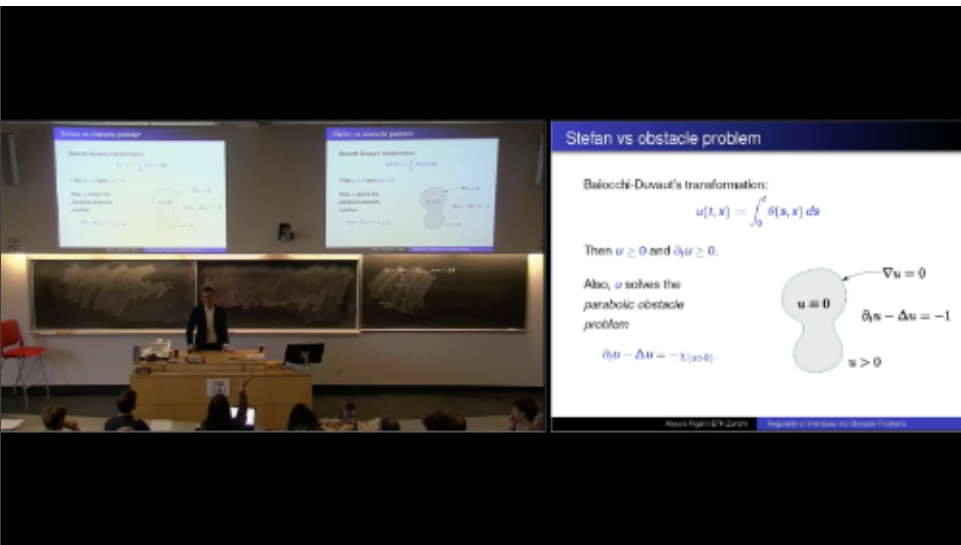
PIMS was pleased to welcome Eriko Hironaka, Emeritus Professor at Florida State University, to UBC for her guest seminar on Deformation Space for Rational Maps.

**MEDIA**



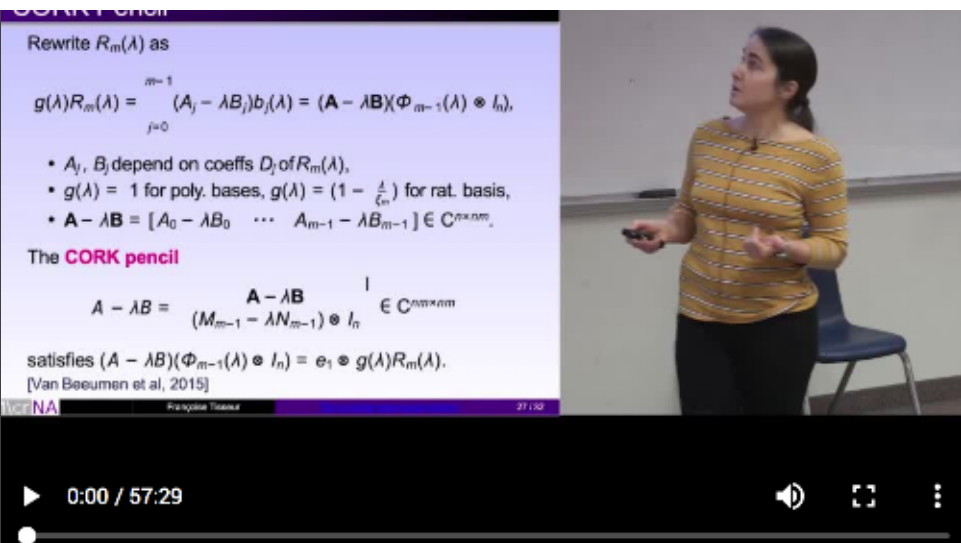
**[The Journey of Math From Melbourne to Manitoba](#)**

An interview with PIMS postdoc at the University of Manitoba, Tyrone Ghaswala



**[Alessio Figalli, 2018 Fields Medalist, at UBC](#)**

A PIMS colloquium on *Regularity of Interfaces in Phase Transitions via Obstacle Problems*



**[Françoise Tisseur, PIMS - UManitoba Distinguished Lecture](#)**

A PIMS lecture on *The Nonlinear Eigenvalue Problem: Recent Developments*

## IMPORTANT SECURITY INFORMATION

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. Talpo M., "[Parabolic sheaves with real weights as sheaves on the Kato-Nakayama space.](#)" To appear in Adv. Math., 40 pages, 2018. Submitted to arXiv:1703.04777
2. Khouider B., Cardoso-Bihlo E., Schumacher C., and De La Chevrotière "[Using radar data to calibrate a stochastic parametrization of organized convection](#)" To appear in Journal of Advances in Modelling Earth Systems. 2018. arXiv:1703.02663
3. Kin E., and Rolfsen D., "[Braids, orderings and minimum volume cusped hyperbolic 3 manifolds.](#)" Groups, Geometry and Dynamics 12. 2018. arxiv.org/abs/1610.03241
4. Rolfsen D., "[Ordered groups as a tensor category.](#)" Pacific Journal of Mathematics 294. 2018. pp. 181-194. arxiv.org/abs/1704.02666

## 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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## FOLLOW US!



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