



Pacific Institute *for the* Mathematical Sciences

PIMS CONNECTION

MONTHLY CONNECTION | October 2018



Greetings from PIMS

There are lots application deadlines coming this month! See below for what we've got in the pipeline at PIMS.

IMPORTANT NOTICES:

1. **Application Deadline for 2019 Event, Conference, Activity Proposals is October 5, 2018 at 11:59pm PST.** [Click here for details.](#)
2. **Deadline for the new PIMS-Europe Fellowships Program is October 15, 2018.** [Click here for details.](#)
3. **PIMS Math Circles at UBC return October 15th!** [Click here for details.](#)

In September, we celebrated the return of the [Marsden Memorial Lecture on September 27 with Dr. Naomi Leonard](#) at UAlberta. This was followed by a special lecture by Dr. Leonard at UBC. Our distinguished lectures continue at [UManitoba with Joan Boyar](#) on October 18, and the [PIMS/UBC Math Faculty Award Colloquium with Ben Williams](#) on October 12. We are also ramping up for the [Pacific Northwest Probability Seminar](#) in Washington as well as the [Fall 2018 West Coast Optimization Meeting](#) at UBCOkanagan.

Check out all this and more below!

Sincerely,
The PIMS Team

FEATURE EVENTS



[PIMS-UManitoba Distinguished Lecture: Joan Boyar](#) October 18 at the University of Manitoba

Dr. Boyar presents on Multiplicative Complexity of Cryptographic Functions.



[2018 West Coast Operator Algebras Seminar](#) October 6-7 at Seattle, Washington

The **West Coast Operator Algebras Seminar** promotes the vitality of the operator algebra research community on the Western region of North America.



[Pacific Northwest Probability Seminar](#) October 20 at Redmond, Washington

The **20th Northwest Probability Seminar**, a one-day mini-conference organized by the **University of Washington**, the **Oregon State University**, the **University of British Columbia**, the **University of Oregon**, and **Microsoft Research**.

[Click below for all events | October 2018](#)

Scientific

Educational

Industrial

NEWS & ANNOUNCEMENTS



[Deadline Tonight: Event, Conference, Activity Proposals](#)

activities in the mathematical sciences, to occur after April 1, 2019. **Deadline: October 5, 2018.**



[PIMS Math Circles Return](#)

PIMS and UBC **Math Circles Workshops** for elementary school students start **Monday, October 15, 2018.**



[Deadline Approaching: PIMS-Europe Fellowships Program](#)

All applications must be in by **October 15, 2018.**

MEDIA

Understand how animal groups balance flexibility with stability
Endow engineered groups with remarkable features of animal groups
New possibilities for both: design and testable prediction



1. Understand how animal groups balance flexibility with stability
 2. Endow engineered groups with remarkable features of animal groups
 3. New possibilities for both: design and testable prediction
- N.E. Leonard - UBC IAM-PIMS Co



[Naomi Leonard](#) | [Symmetry, bifurcation, and multi-agent decision-making](#)
Monday, October 1, 2018 - PIMS UBC
IAM-PIMS Distinguished Colloquium Series (Marsden Lecture Speaker)

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

PIMS COMMUNITY RECENT PUBLICATIONS

1. Scully, S., "[The Artin-Springer theorem for quadratic forms over semi-local rings with finite residue fields](#)," *Proceedings of the American Mathematical Society*, 146, 2018
2. Kulkarni A., Maxedon G., and Yeats K., "[Some results on an algebro-geometric condition on graphs](#)," *Journal of the Australian Mathematical Society*, Vol. 104, 2018

4. Bauer K., Johnson B., Osborne C., Riehl E., and Tebbe A., "[Directional derivatives and higher order chain rules for abelian functor calculus](#)," *Topology and its Applications*, Vol. 235, 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.

FOLLOW US!



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