Pacific Institute *for the* Mathematical Sciences

PIMS Connection

Greetings from PIMS!

March is upon us, which means springtime is here! There is a lot happening around the sites this month: We continue our 20th Anniversary celebrations at the University of Victoria, where Prof Robert Gentleman will be giving a lecture on Participant-focused Research for Genetics and Drug Discovery. Prof. Gentleman will also be at UBC on March 2 for the launch of the Data Science Program at UBC. Also this month, our third Lunchbox lecture in Vancouver features Dave Fracchia on the Mathematics of Game Design, and finally, nominations for the PIMS Education Prize are underway. Be sure to submit your nominees before March 15th. The winner receives $1000CAD

Take a look at what's happening around the sites:

March 2017

1 March 2017 - PIMS 20th Anniversary Celebration UVic at the **University of Victoria**

2 March 2017 - UBC DSI Launch Event and Distinguished Lecture: Robert Gentleman at the **University of British Columbia**

9 March 2017 - PIMS-UManitoba Distinguished Lecture: Vern I. Paulsen at the **University of Manitoba**

10 March 2017 - PIMS Vancouver Lunchbox Lecture: Dave Fracchia at **Simon Fraser University, Harbour Campus**

13 March 2017 - IAM-PIMS Distinguished Colloquium: Karen Willcox at the **University of British Columbia**

10 March 2017 - PIMS/UBC Distinguished Colloquium: Michel Brion at the **University of British Columbia**

16 March 2017 - The Calgary Mathematics & Philosophy Lectures: Emily Grosholz at the **University of British Columbia**

16 & 30 March 2017 - Abelian Varieties Multi-Site Seminar Series at the **Colorado State University**

18-19 March 2017 - Alberta Number Theory Days IX at **Banff, Alberta**

22-23 March 2017 - PIMS Public Lecture and PIMS Distinguished Colloquium: Barry Simon at the **University of British Columbia**

2017 PIMS Education Prize:
Call for Nominations
The PIMS Education Prize is awarded annually to a member of the PIMS community who has made a significant contribution to the mathematical sciences.
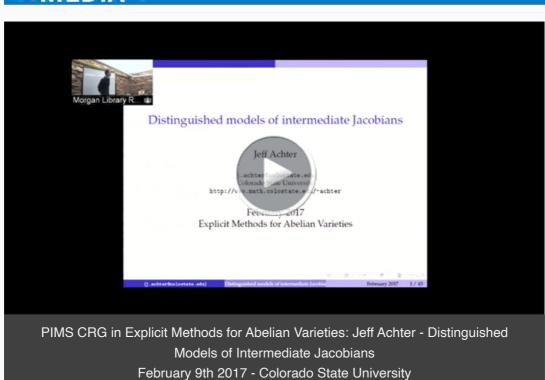**Deadline: March 15th**

Solutions Canada launch!
PIMS and its partner institutes AARMS, CANSSI, CRM and Fields launch Solutions Canada to link companies and researchers for collaboration on mathematical and statistical problems in industry.

PIMS 20th Anniversary Celebration

MEDIA

PIMS CRG in Explicit Methods for Abelian Varieties: Jeff Achter - Distinguished Models of Intermediate Jacobians
February 9th 2017 - Colorado State University

PUBLICATIONS

Recent Publications from the PIMS Community:

1. 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
2. Bouchard V., Creutzig T., Diaconescu D.E., Doran C., Quigley S., Sheshmani A., "Vertical D4-D2-D0 bound states on K3 fibrations and modularity", *Communications in Mathematical Physics*, Vol. 350, 2017
3. Kolokonikov T., Tzou J., Ward M.J., and Xie S., "The Stability and Slow Dynamics of Localized Spot Patterns for the 3-D Schnakenberg Reaction-Diffusion Model," *SIAM Journal of Applied Dynamical Systems*, Vol. 16, 2017
4. Yeats K., "A Combinatorial Perspective on Quantum Field Theory," *Springer Briefs in Mathematical Physics,* Vol. 15, 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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