



Pacific Institute *for the*  
Mathematical Sciences

PIMS CONNECTION

MONTHLY NEWSLETTER | July 2018



## Greetings from PIMS

July is upon us, capping off a busy month of workshops and events across the sites.

The [2018 bcdata Science Workshop](#) was a huge success, topping last year's attendance and creating new collaborations between industry and the mathematical sciences. [Challenges in Probability and Mathematical Physics](#) begins July 9 in Montreal with the [2018 Canadian Undergraduate Mathematics Conference](#) taking place at USaskatchewan from July 11-15. This is followed by the [Thirteenth Algorithmic Number Theory Symposium](#) at the University of Wisconsin, and the [Canadian Undergraduate Computer Science Conference](#).

**IMPORTANT NOTICE:** Early registration for [the PIMS Summer School and Workshop on the Mathematical Foundations of Data Science](#) (part of our newest [CRG on High Dimensional Analysis](#)) ends July 13. Registration costs will increase after this date.

Finally, our call for SRP proposals is now live! Check it all out below.

Sincerely,  
The PIMS Team

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## FEATURE EVENTS



## [PIMS Summer School and Workshop on the Mathematical Foundations of Data Science](#)

**July 30 - August 3 at UBC**

The goal of this workshop is to bring together academics and experts from industry to communicate challenges and successes in Data Science. **Early registration deadline is July 13th!**



### [25th International Domain Composition Conference, DD XXV](#)

**July 23-27 at Memorial University**

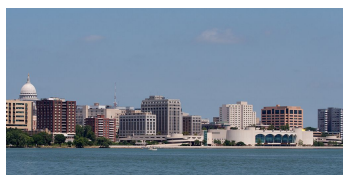
*The purpose of this meeting is to discuss recent developments in various aspects of domain composition methods.*



### [Sixth G. J. Butler International Conference on Differential Equations and Population Biology](#)

**July 23-28 at the University of Alberta**

*The Butler conference has become a premier event in the field of differential equations, nonlinear dynamics, and mathematical biology.*



### [Thirteenth Algorithmic Number Theory Symposium](#)

**July 16-20 at the University of Wisconsin**

*The ANTS meetings are the premier international forum for new research in computational number theory.*

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## Click below for all PIMS events | JULY 2018

Scientific

Educational

Industrial

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## NEWS & ANNOUNCEMENTS





PIMS-Europe (CNRS UMI #3069) is announcing a new program, the **PIMS-Europe Fellowships**, with the goal of developing and supporting research collaborations between mathematical scientists at PIMS member universities and researchers across France.



### [PIMS Invites 2019 Activity Proposals](#)

PIMS is inviting proposal applications for support of activities in the mathematical sciences occurring after **April 1, 2019**.



### [42 Years of Mathematics: 2018 CMESG](#)

A story on the **42nd Canadian Mathematics Education Study Group**, exploring contemporary theories and practices in the mathematics classroom.

## MEDIA



For more lectures and PIMS resources, please visit [mathtube.org](http://mathtube.org)

## PIMS COMMUNITY RECENT PUBLICATIONS

1. Rayan S., "[Twisted argyle quivers and Higgs bundles](#)," Bulletin des Sciences Mathématiques, Vol. 146, 2018.
2. 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
3. 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. Courtiel J., Fusy E., Lepoutre M., and Mishna, M., "[Bijections for Weyl Chamber walks ending on an axis, using arc diagrams](#)," European Journal of Combinatorics, Vol. 69, 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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