

## **PIMS One Day Dynamics Meeting**

We held a one-day meeting on dynamical systems on the University of Victoria on April 23rd 2016. The format was that there were 4 lectures by Ian Putnam (University of Victoria), Akshay Venkatesh (Stanford University), Jayadev Athreya (University of Washington) and Christopher Hoffman (University of Washington).

The rationale for the event was that Athreya has just moved to the University of Washington. Athreya is a talented young mathematician working at the intersection of dynamical systems, geometry and number theory; and his arrival felt like a good opportunity to gather regional people in the general research area with the broader goal of encouraging interaction and collaboration.

While all of the speakers are very strong mathematicians, Venkatesh is a young star, and a recent ICM Speaker. Venkatesh is a number theorist with interests in ergodic theory; Athreya spoke about his work on homogeneous dynamics, Putnam is a  $C^*$ -algebraist with interests in dynamical systems and Hoffman is a Probabilist with interests in dynamical systems. Overall, the research focus was broad. This was reflected in high quality expository lectures, aimed at a relatively diverse audience.

Besides the speakers, the external attendees at the meeting were Yitwah Cheung (a strong collaborator of Athreya from San Francisco State University), Brian Marcus of UBC, Jędrzej Śniatycki of the University of Calgary (recently retired to Victoria), Douglas Lind (recently retired from the University of Washington), Huyi Hu of Michigan State University and Adrian Scheerer, a graduate student at the University of Linz, visiting UBC for the semester.

From the University of Victoria, the participants were Peter Dukes, Marcelo Laca, Ian Putnam, myself, Chris Bose, Mark Piraino, Joseph Horan, Anna Duwenig and Chris Bruce.

The meeting provided a good amount of time for interaction among the participants, and since the meeting many of the participants have told me how much they enjoyed the meeting. I found it very valuable myself, and also think this kind of thing has a substantial impact on local graduate students.