

Cascade Topology Seminar: Fall 2015

Portland State University, November 7-8, 2015

Organizers: [Steve Bleiler](#), [Kyle Ormsby](#), and [Angélica Osorno](#).

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Focus

The 55th semi-annual Cascade Topology Seminar features talks from a mix of algebraic and geometric topologists, and will be held on the November 7-8 weekend at Portland State University.

Speakers:

- Mark Behrens (Notre Dame)
 - Ryan Budney (University of Victoria)
 - Sheel Ganatra (Stanford)
 - Robert Lipshitz (University of Oregon)
 - Vesna Stojanoska (UIUC)
 - Ben Williams (UBC)
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Schedule

All talks will be held at Portland State University. Talks will be in Neuberger 462, while Caffeine and Carbohydrate events are in Neuberger 344. Neuberger Hall is at the intersection of SW Broadway and Hall in PSU's downtown Portland campus. Maps with driving and Tri-Met directions to the dinner will be available at the meeting.

Saturday

- 9:30-10:00 *Caffeine and Carbohydrates*
- 10:00-11:00 Robert Lipshitz, *Properties of the Alexander polynomial and knot Floer homology*
- 11:15-12:15 Vesna Stojanoska, *Higher real K-theory spectra have cyclic Picard groups*
- 12:15-2:00 *Lunch*
- 2:00-3:00 Mark Behrens, *The bo-Adams spectral sequence*
- 3:30-4:30 Ryan Budney, *Exploring the 4-manifold landscape using triangulations*
- 6:30-? Dinner at the home of Steve Bleiler

Sunday

- 9:30-10:00 *Caffeine and Carbohydrates*
- 10:00-11:00 Ben Williams, *The Simplicial EHP Sequence in \mathbf{A}^1 Algebraic Topology*
- 11:15-12:15 Sheel Ganatra, *Calabi-Yau categories, the Floer theory of a cotangent bundle, and the string topology of its base*

Abstracts for all talks are available [here](#).

Funding

Limited support from the National Science Foundation is available for participants in these meetings without grant support. First priority will go to graduate students and faculty from regional universities. Participants from other universities may be supported if funds are available.

The Cascade Topology Seminar is supported in part by a grants from the National Science Foundation and the Pacific Institute for the Mathematical Sciences. The support of these agencies is gratefully acknowledged. The Seminar has dedicated funding available to support the participation of graduate students, early career mathematicians, and members of traditionally underrepresented groups. Members of these aforementioned groups are especially encouraged to apply and attend.

Those interested in seeking funding should contact [Steve Bleiler](#).

[Kyle M. Ormsby](#)