

# Lethbridge Number Theory and Combinatorics Seminar

Monday — February 26, 2018

Room: B543

Time: 12:00 to 12:50 p.m.

# Andrew Fiori

## A Geometric Description of Arthur Packets

*Abstract:* In this talk I will discuss joint work with Clifton Cunningham, Ahamed Moussoui, James Mracek and Bin Xu. I will begin by giving a brief overview of the (conjectural) Langlands Correspondence, focusing in particular on Vogan's geometric reformulation of the local Langlands Correspondence. We will then discuss some geometric objects that arise as part of several conjectures which give geometric interpretations to Arthur packets and their associated stable distributions under the LLC. More specifically we shall discuss equivariant perverse sheaves and their vanishing cycles.

**EVERYONE IS WELCOME!**

Visit the seminar web page at  
<http://www.cs.uleth.ca/~nathanng/ntcoseminar/>



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