

## ***LOGIC SEMINAR***

**Guest Speaker: Omer Mermelstein**  
**University of Wisconsin-Madison**

***Date:*** Tuesday, December 4, 2018

***Time:*** 2:00 PM

***Location:*** 125 Hayes-Healy Hall

***Lecture Title:***

**Flat geometries and strong minimality**

***Abstract***

The property of "flatness" of a pregeometry (matroid) is best known in model theory as the device with which Hrushovski showed that his example refuting Zilber's conjecture does not interpret an infinite group. I will dedicate the first part of this talk to explaining what flatness is, how it should be thought of, and how closely it relates to hypergraphs and Hrushovski's construction method. In the second part, I will conjecture that the family of flat pregeometries associated to strongly minimal sets is extremely nice, and suggest that this niceness should translate to a better understanding of Hrushovski fusions.

