



# Fall 2019 Symposium



## Mason Experimental Geometry Lab

*Friday December 6, 4106 Exploratory Hall  
Pizza at 2:30-4:30pm*

2:30-2:45pm: *Geometry of Self-Driving Cars*  
Susan Tarabulsi, Maria Pia Younger

2:50-3:05pm: *Statistics in Deformations of Large Knots*  
Savannah Crawford, Mathew Hasty, George Robert Andrews III

3:10-3:25pm: *A computation of test ideals of big Cohen-Macaulay modules*  
Shrunal Pothagoni, Julian Benali

3:30-3:45pm: *Instability spreading in spatially extended systems*  
Zachary Richey, Wyatt Andrew Rush

3:50 -4:05pm: *Decisions in finance from the knapsack problem point of view*  
Jae-Moon Hwang, Matthew David Kearney

4:10-4:25pm: *Visualizing Bruhat-Tits Buildings*  
Bram Bekker