

## ***GRADUATE STUDENT SEMINAR***

**Guest Speaker: Kyle Gannon**  
**University of Notre Dame**

***Date:*** Monday, February 11, 2019  
***Time:*** 4:00 PM  
***Location:*** 231 Hayes-Healy Hall



***Lecture Title:***  
**Functional Analysis on Stone Spaces**

***Abstract***

Analysis on compact Hausdorff spaces is well-behaved. We will argue that analysis on totally disconnected, compact Hausdorff spaces (aka Stone spaces) is "very" well-behaved. In this context, underlying combinatorial properties of the stone space control the structure of the usual analytic objects. No model theory background will be assumed and this talk will mostly be expository.