

## ***GRADUATE STUDENT SEMINAR***

**Guest Speaker: Richard Birkett**

**University of Notre Dame**

**Date:** Wednesday, January 13, 2021

**Time:** 4:00 PM

**Location:** Zoom

**Zoom URL:** [notredame.zoom.us/j/95815357423](https://notredame.zoom.us/j/95815357423)



***Lecture Title:***

**Berkovich Space**

***Abstract***

Berkovich spaces have proven themselves a great tool in algebraic geometry and dynamics in recent years. This talk serves as a crash course or introduction. I will begin with the opaque algebraic definition and provide a perspective of how Berkovich space is actually an incredible geometric lens for seeing many varieties at once. Only basic algebra or geometry needed to follow the talk, although familiarity with divisors on a plane provide important motivation.