

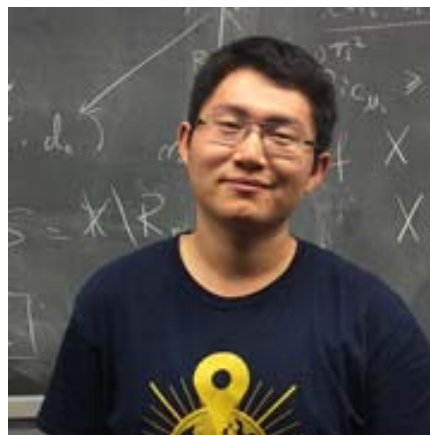
## ***GRADUATE STUDENT SEMINAR***

**Guest Speaker: Xiaoxiao Li**  
**University of Notre Dame**

**Date:** Monday, April 29, 2019

**Time:** 4:00 PM

**Location:** 117 Hayes-Healy Hall



***Lecture Title:***

**Constructing holomorphic sections and Kodaira embedding**

***Abstract***

The Hormander  $L^2$  technique is a powerful differential geometric method for constructing holomorphic sections. In this talk, I will describe how to prove the standard Kodaira embedding by using this technique. If time permitted, I will discuss how the effective estimates been used to obtain an uniform version of Kodaira embedding (theorem by Donaldson-Sun in 2012).