



**Speaker:** Anurag Singh  
Univeristy of Utah

Wednesday, October 11, 2017

4:00 PM

129 Hayes-Healy Hall

**Title:** The number of equations defining an algebraic set

**Abstract:**

Given an algebraic set, i.e., the solution set of a family of polynomial equations, what is the minimal number of polynomials needed to define this set? The question is surprisingly difficult, with a rich history. We will give a partial survey, and discuss results and questions coming from local cohomology theory.