

## Algebraic Geometry Seminar

*Threefolds of globally  $F$ -regular type and of Fano type*

Xudong Zheng (Johns Hopkins)

**Abstract:** This is a report of work in progress on a conjectural identification of varieties in characteristic zero having globally  $F$ -regular type and Fano type. Aiming at showing any variety of globally  $F$ -regular in dimension three is of Fano type, I will discuss an approach using three dimensional minimal model program in positive characteristics.

Wednesday, August 29 at 4:00 PM in 427 SEO