



**Speaker:** Ryan Grady  
University of Notre Dame

Monday, October 25, 2010  
4:15 PM  
231 Hayes-Healy Hall

**Title:** Curvature and Physics

**Abstract:**

: In a similar spirit to Prof. Stolz' talk, we discuss the existence of positive scalar curvature metrics on manifolds. We will then discuss the situation for Ricci curvature and the relationship with ideas coming from physics. All relevant notions will be introduced (or recalled) and the goal is to paint a picture of the landscape that lies on the boundary of physics and geometry/topology.