

**Speaker:**     **Andrés Sambarino**  
                  **University of Chicago**

Thursday, November 21, 2013  
2:00 pm  
Room: 258 Hurley Hall

**Title:** On entropy, regularity and rigidity

**Abstract:**

Convex representations are a class of representations of hyperbolic groups into  $SL(d, \mathbb{R})$ . This class contains convex co-compact hyperbolic  $n$ -manifolds, convex projective structures on closed manifolds, Hitchin representations of surface groups, among others. The entropy of such representation is an invariant, analogous to the Hausdorff dimension of the limit set of a convex co-compact group. The purpose of the lecture is to discuss rigidity properties of such invariant.