



**Speaker:** Adam Moreno  
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Monday, October 9, 2017

4:00 PM

125 Hayes-Healy Hall

**Title:** Point Leaf Maximal Singular Riemannian Foliations in Positive Curvature

**Abstract:**

Positively curved Riemannian manifolds with "large" symmetry have received special attention since the early 90's. Cohomogeneity one actions, for example, have simple orbit spaces which carry information about the topology of the given manifold. Groups acting fixed point homogeneously share an important property with cohomogeneity one manifolds and were classified by Grove and Searle in 1997. Here, we interpret this property in the context of singular Riemannian foliations, where the group action is absent. We find that in most cases, manifolds that can be equipped with these so-called point leaf maximal SRF's have the cohomology ring of a compact rank one symmetric space.