Local mixing and abelian covers of finite volume hyperbolic manifolds

Abstract:

Abelian covers of finite volume hyperbolic manifolds are ubiquitous. We will discuss ergodic properties of the geodesic/ frame flow on such spaces. In particular, we will discuss the local mixing property of the geodesic/ frame flow, which we introduce to substitute the well-known strong mixing property in infinite volume setting. We will also discuss applications to measure classification problems and to counting and equidistribution problems. Part of the talk is based on the joint work with Hee Oh.

Special Note:
Notice that we will be meeting in a different room and at a different time: APM 6402

Host: Amir Mohammadi
Tuesday, November 14, 2017
10:00 AM
AP&M 6402