

Geometry, Groups and Dynamics/GEAR Seminar  
(held at the Illinois hub of GEAR )

**12:00 pm, Tuesday, March 8, 2016, 243 Altgeld Hall**

Thomas Koberda (University of Virginia)

Mapping class group and right-angled Artin group actions on the circle

Abstract: I will discuss virtual mapping class group actions on compact one-manifolds. The main result will be that there exists no faithful  $C^2$  action of a finite index subgroup of the mapping class group on the circle, which generalizes results of Farb-Franks and establishes a higher rank phenomenon for the mapping class group, mirroring a result of Ghys and Burger-Monod. This talk will represent joint work with H. Baik and S. Kim.

[Video](#)