Algebra and Geometry Seminar

Speaker: Emily Gunawan (University of Oklahoma)

Title: Cambrian combinatorics on quiver representations.

Abstract: First, we will discuss a polygon model of the Auslander-Reiten quiver of a type A quiver. Next, we will introduce a Catalan object which we call a maximal almost rigid representation. Finally, we will define a partial order on the set of maximal almost rigid representations and show that this partial order is a Tamari or Cambrian lattice. This talk is based on joint work with Emily Barnard, Emily Meehan, and Ralf Schiffler.