1135-05-2113   **Amanda Ruiz*** (`alruiz@sandiego.edu`). *Realization Spaces of Phased Matroids.*
Consider a finite set of vectors $V \in \mathbb{C}^r$. The phased matroid of V is a tool for keeping track of some of the geometric information of V. Phased matroids are a new field which do for the complex numbers what oriented matroids do for phased matroids.

More recently, Baker and Bowler have introduced matroids over hyperfields, which oriented matroids and phased matroids are special cases of, drawing attention to the properties they have in common.

In this talk we will discuss a the realization space of phased matroids, a property that is quite different for phased matroids than oriented matroids. (Received September 25, 2017)