1131-13-104   **Susan Elaine Morey*** (`morey@txstate.edu`), Department of Mathematics, Texas State University, San Marcos, TX 78666. *Depths of Monomial Ideals.*

This talk will focus on classes of monomial ideals that have a graphical representation. Classes will include square-free monomial ideals, which have a variety of representations including edge ideals of clutters or generalizations of path ideals of graphs. The talk will also include classes of monomial ideals that while not square-free, still have a graphical representation, such as powers of edge ideals or polarizations of monomial ideals. The goal will be to use a combination of algebraic and combinatorial techniques to determine information about depth properties of these ideals. (Received July 07, 2017)