

1116-H1-236 **Crista L Arangala*** (ccoles@elon.edu), Campus Box 2320, Elon University, Elon, NC 27516.
Exploring Linear Algebra with Mathematica Labs.

This talk will focus on hands-on labs that can be used in class every day to guide the exploration of linear algebra. These labs integrate inquiry learning, technology, *Mathematica*[®] visualization, and *Mathematica* CDFs that allow students to discover the theory and applications of linear algebra in a meaningful and memorable way.

Linear algebra application-driven projects which can be used as the basis for further undergraduate research will also be discussed. (Received August 16, 2015)