

# UCCS Mathematics Colloquium

Thursday, April 29<sup>th</sup>  
12:30 pm – 1:30 pm  
(Refreshments at 12:15)  
UC Room 307

Bob Carlson, University of Colorado – Colorado Springs

**Nonconservative Transmission Line Networks,  
or Jordan normal form for some differential equations**

**Abstract:** Transmission line networks are a common engineering model for the propagation of fluid pressure and flow as well as voltage and current. We will discuss the spectral theory (eigenvalues, eigenfunctions) of such networks when the network junctions do not conserve fluid momentum.