



## **CLIM Program Transition Workshop**

### **May 14-16, 2018**

**Lecture:** *Projected Data Assimilation*

**Speaker:** Erik Van Vleck

**Abstract:**

In this talk we present a framework for splitting data assimilation problems based upon the model dynamics. This is motivated by assimilation in the unstable subspace (AUS) and center manifold and inertial manifold techniques in dynamical systems. Recent efforts based upon the development of particle filters projected into the unstable subspace will be highlighted.