

#### **4b.5 The influence of wind shear on the large-scale properties of convection**

**Kennedy, Aaron**, *University of North Dakota*

Despite knowledge on how wind shear impacts individual thunderstorms or systems of convection, relatively little is known about how this environmental property impacts convection at the scale of climate models (i.e. 100s km). Utilizing multiple years of convection-permitting WRF simulations run in support of the NOAA Hazardous Weather Testbed (HWT), the relationship of wind shear to convective strength and area will be investigated. Whether these properties vary with model settings and criteria used to select convection will be explored.