**CMMAP Clouds and Climate breakout**

Wed Aug. 7 9:30-11:45 am

15 min/speaker + 5 mins for discussion and transitions

9:30 Mike Pritchard, UC Irvine: Causal evidence that horizontal moisture advection is critical to the superparameterized Madden-Julian Oscillation

9:50 Emily Riley, U. Miami: The effects of organization on convective and large-scale interactions using cloud-resolving simulations with parameterized large-scale dynamics

10:15-10:30 Coffee Break

10:30 Anning Cheng, SAIC: An explicit representation of vertical momentum transport in a Multiscale Modeling Framework model through its 2D cloud-resolving model

10:50 Peter Blossey and Chris Bretherton, U. Washington: SPCCSM cloud feedback analysis

11:10 Chris Bretherton and Peter Blossey: Entrainment-liquid flux adjustment: a thermodynamic mechanism for decreasing subtropical low cloud in a warmer climate

11:30 Group discussion