

## 27<sup>th</sup> Annual CESM Workshop ATMOSPHERIC MODEL WORKING GROUP MEETING

**Tuesday, June 14**

*\* All times are Mountain Time*

Time	Topic / Title	Speaker
8:30	Introduction	Co-chairs
8:35	The Climate Response of Convective Parcel Modification in CAM	Rich Neale (NCAR)
8:50	Progress towards improving momentum flux parameterization in CAM	Colin Zarzycki
9:05	Fully Unified Boundary Layer and Convection Parameterizations in Global Models: Recent Results in Three-Dimensional Simulations	Joao Teixeira
9:20	Atmospheric turbulence modeling using AI	Pierre Gentine
9:35	Implementation of the Secondary Ice Production mechanisms in the Single Column Atmosphere Model Version 6 (SCAM6) : Results from MC3E	Arti Jadav
9:50	A renaissance in cloud superparameterization — emerging flexibilities for regionalization and machine learning emulation opening new CESM science opportunities	Mike Pritchard
10:05	Discussion	
10:20	Break	
10:30	Understanding the Relationship between Tropical Cyclone Precipitation and SST Utilizing a CAM Hierarchical Framework	Alyssa Stanfield
10:45	Orbital and CO2 effects on tropical cyclones in an ultra-high resolution global climate model	Pavan Harika Raavi
11:00	Investigation of Climate Dynamics Over Euro-Mediterranean Region Using a Variable-Resolution Global CESM Model	Burcu Zehra Boza Karul

11:15	EarthWorks: Progress towards a storm-resolving coupled model	Jim Hurrell
11:30	Linking the large-scale processes and the landfalling features of atmospheric rivers in non-hydrostatic CESM simulations	Xingying Huang (NCAR)
11:45	Discussion	
12:00	<i>Optional Informal Discussion</i>	