

26th Annual CESM Workshop Machine Learning: CESM-Related Efforts Cross Working Group

Thursday, June 17

** All times are Mountain Time*

Time	Topic / Title	Speaker
1:00pm	Welcome and Introduction	Christiane Jablonowski, U. Michigan Katie Dagon, NCAR
1:05pm	Machine Learning Methods for Ocean Models	Laure Zanna, NYU
1:20pm	Neural Networks and Random Forests for Emulating Simplified Physical Processes in the Community Atmosphere Model	Garrett Limon, U. Michigan
1:35pm	Climate Signals in CESM1 Single-Forcing Large Ensembles Revealed by Explainable Neural Networks	Zachary Labe, CSU
1:50pm	The CAM6+DART Ensemble Reanalysis Provides a Variety of Datasets for Machine Learning Training and Verification Algorithms	Kevin Raeder, NCAR
2:05pm	Toward efficient calibration of higher-resolution Earth System Models	Chris Fletcher, U. Waterloo
2:20pm	Overview of CESM-Related Machine Learning Projects at NCAR	Katie Dagon, NCAR
2:40pm	Discussion	Led by Christiane Jablonowski and Katie Dagon
3:00pm	Session ends	