

Department of Energy Announces \$15 Million for Atmospheric System Research

Announcement Number: DE-FOA-0003194

List Posted: 07/29/2014

Selection for award negotiations is not a commitment by DOE to issue an award or provide funding.

Principal Investigator	Title	Institution	City	State	ZIP Code
Chiu, Christine	Discovering macro- and micro-physical relations in precipitation efficiency and aerosol wet scavenging in warm clouds using ARM observation-model data cubes and machine learning	Colorado State University	Fort Collins	CO	80523-2002
Dolan, Brenda	New insights into precipitation variability and cloud processes using polarimetric radar and cloud system resolving model simulations	Colorado State University	Fort Collins	CO	80523-2002
Galewsky, Joseph	Probing aerosol-cloud interactions in EPCAPE using measurements of water vapor isotopic composition	University of New Mexico	Albuquerque	NM	87131-0001
Hennigan, Christopher	Aerosol Acidity Across Seasons: Unveiling Dynamic Shifts in Aerosol-Cloud Processes from Regional and Urban Atmospheres	University of Maryland Baltimore County	Baltimore	MD	21250-0001
Heus, Thijs	Contrasting Shallow and Deep Convection over Bankhead National Forest	Cleveland State University	Cleveland	OH	44115-4115
Igel, Adele	Macrophysical and Microphysical Properties and Processes in Arctic Fog	University of California, Davis	Davis	CA	95618-6153
Kumjian, Matthew	Using Machine Learning to Uncover Deep Convective Cloud Processes with TRACER Observations	Pennsylvania State University	University Park	PA	16802-7000
Lebo, Zachary	Linking convective environments to microphysical processes in updrafts and downdrafts using DOE ARM data and high-resolution modeling	University of Oklahoma	Norman	OK	73019-9705
Mace, Gerald	Using ARM data to explore processes associated with Southern Ocean cloud feedback using MARCUS, AWARE, and CAPE-K data	University of Utah	Salt Lake City	UT	84102-9023
McFarquhar, Gregory	Impacts of cloud-aerosol-meteorology relations in mixed-phase clouds on radiative fluxes over high Latitudes	University of Oklahoma	Norman	OK	73019-9705
Miller, Mark	Connecting Aerosol-Related Cloud Brightness to Turbulence using EPCAPE Measurements	Rutgers University	Piscataway	NJ	08854-3925
Nowotarski, Christopher	Determining the Importance of Initiation Mechanism and Background Environment on the Evolution of Deep Convection in Varied Regimes	Texas A&M University	College Station	TX	77845-4321
O'Brien, Rachel	Generalizing aerosol mixing state: synthesis from observations and connection to models	University of Michigan	Ann Arbor	MI	48109-1274
Oue, Mariko	Investigating Microphysical and Dynamical Processes Controlling Convective Cloud Characteristics and Lifecycle Within Different Aerosol and Ambient Environments	Stony Brook University	Stony Brook	NY	11794-3362
Pratt, Kerri	Pristine Southern Ocean Aerosol and Cloud Processes: Coupling Single-Particle Measurements and Modeling during CAPE-k	University of Michigan	Ann Arbor	MI	48109-1274
Ray, Pallav	Exploring the land-sea breeze circulation and its association with moist static energy using TWP ARM observations	Florida Institute of Technology	Melbourne	FL	32901-6975
Romps, David	Influence of urban features on the vertical development of cumulus clouds during TRACER	University of California, Berkeley	Berkeley	CA	94710-1749
Thornton, Joel	Elucidating the impacts of shallow and deep convective cloud processing on biogenic VOC driven particle formation and growth	University of Washington	Seattle	WA	98195-9472
Walters, Wendell	From Precursors to Particles: Evaluating Chemical Formation and Sources of Aerosols in the Eastern North Atlantic	University of South Carolina	Columbia	SC	29208-0001
Williams, Christopher	Identifying and Reducing Structural Errors in Parameterized Warm Rain Processes using ARM EPCAPE and ENA Observations	University of Colorado	Boulder	CO	80303-1058