

# Department of Energy Announces \$14 Million for New Atmospheric Research

Announcement Number: DE-FOA-0002579

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Principal Investigator	Title	Institution	City	State	9-digit zip code
Adams-Selin, Rebecca	Establishing a Holistic Understanding of Mesoscale Convective System Stratiform Precipitation Regions	Atmospheric and Environmental Research, Inc.	Lexington, MA	MA	02421-3126
Ahmed, Fiaz	Thermodynamic and Non-thermodynamic Controls on Deep Convection in ARM Observations	University of California	Los Angeles, CA	CA	90095-1406
Ajoku, Osinachi	Modeling Impacts on the Stratocumulusto- Cumulus Transition Associated with Southern Africa Biomass Burning Outflow Constrained by ARM Observations	Howard University	Washington, DC	DC	20059-0001
Choi, Yunsoo	Incorporating ARM TRACER Campaign Data into a Fine-Resolution WRF-Chem- SBM Data Assimilation Framework: Sensitivity Analysis of Microphysics and Thermodynamics to CCN Profile	University of Houston	Houston, TX	TX	77204-2015
Collins, Don	Understanding the Impact of Pollution Aerosol from Los Angeles/Long Beach on Clouds and Radiation in and Upwind of the EPCAPE Study Domain	University of California	Riverside, CA	CA	92521-0217
Dzambo, Andrew	Surface, Aerosol, and Meteorological Controls on Arctic Boundary Layer Clouds: Observations and Simulations from MOSAiC and COMBLE	University of Oklahoma	Norman, OK	OK	73019-9705
Farmer, Delphine	Observational Constraints on Size- Resolved Particle Deposition Across Landscapes	Colorado State University	Fort Collins, CO	CO	80523-2002
Hallar, Anna	Using ARM Data to Understand the Impact of New Particle Formation on Cloud Condensation Nuclei Concentration in Different Environments	University of Utah	Salt Lake City, UT	UT	84102-9023
Horowitz, Hannah	Improving the Representation of Arctic Sea Salt Aerosols in Climate Models Using Observations from Field Campaigns and Remote Sensing	University of Illinois	Champaign, IL	IL	61820-7406
Kuang, Zhiming	Analyses of Cumulus Mixing Using ASR Aircraft Observations and LES Simulations	Harvard College	Cambridge, MA	MA	02138-5369
Lamb, Kara	Connecting Laboratory Experiments and In-Situ Observations of Depositional Ice Growth	Columbia University (Morningside Campus)	New York, NY	NY	10027-7922
Li, Zhanqing	Investigation of Surface-Cloud Coupling over Land Using ARM observations and Model Simulations	University of Maryland	College Park, MD	MD	20742-5141
Lombardo, Kelly	Understanding the Life Cycle of Deep Convective Storms Travel	Pennsylvania State University	University Park, PA	PA	16802-7000
Mechem, David	Using ARM Observations and Large- Eddy Simulation to Constrain Cloud Processing of CCN in Boundary-Layer Clouds over the Eastern North Atlantic	University of Kansas Center for Research, Inc.	Lawrence, KS	KS	66045-7568
Persson, Ola	The Arctic Atmospheric Boundary-Layer Structure and its Interactions with the Free Troposphere and Surface	University of Colorado	Boulder, CO	CO	80303-1058
Smalley, Mark	The Aerosol-Cold Pool Connection: Impacts on Marine Low Cloud Morphology	University of California	Los Angeles, CA	CA	90095-1406
Smith, James	Ultrafine Aerosol Particle Formation and Impacts During EPCAPE	University of California	Irvine, CA	CA	92697-7600
Sullivan, Ryan	Potentially Large Contribution of Biomass-Burning Aerosol to Global Ice Nucleating Particle Concentrations and Implications for Aerosol Lifecycle and Cloud Microphysics	Carnegie Mellon University	Pittsburgh, PA	PA	15213-3589
Tan, Ivy	Exploiting Ground-Based Observations to Infer Arctic Surface Cloud Feedbacks	McGill University	Montreal	Canada	H3A 0G4
van Leeuwen, Peter Jan	Aerosol-Cloud Interactions in Warm Clouds Using Advanced Causal Discovery	Colorado State University	Fort Collins, CO	CO	80523-2002
Wexler, Anthony	The Hygroscopicity and CCN Potential of Organic Aerosol Moieties	University of California, Davis	Davis, CA	CA	95618-6153
Witte, Mikael	The aerosol-cold pool connection: impacts on marine low cloud morphology	Naval Postgraduate School	Monterey, CA	CA	93943-5004