

# Department of Energy Announces \$1.3 Million for Research on General Plasma Science Collaborative Research Facilities

Announcement Number: DE-FOA-0003267

List Posted: 8/26/2024

*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
Younessi Sinaki, Maryam	Kinetic Modeling of the Thermocatalytic Decomposition of Methane in a Plasma-Heated Fluidized Bed Reactor	Cleveland State University	Cleveland	OH	44115-4115
Owen, Jonathan	Nitridation of atomically smooth (111) diamond surfaces using a low temperature Penning plasma discharge	Columbia University	New York	NY	10027-7922
Kananovich, Anton	Charging of Dust in the Afterglow of a Magnetized Plasma	Appalachian State University	Boone	NC	28608-8608
Guerra-Garcia, Carmen	Interactions of a Microdischarge with a Premixed Flame	Massachusetts Institute of Technology	Cambridge	MA	02139-4307
Ebrahimi, Fatima	Measurements of Magnetic Reconnection Ion Propulsion on WIPPL	Princeton University	Princeton	NJ	08544-2020
Zhang, Lifeng	Destruction of PFAS on Nanofibrous Adsorbents using Low Temperature Plasma	North Carolina A&T State University	Greensboro	NC	27411-0002
Go, David	Investigation of Reaction Pathways and Temperature Inhibition in Methane DBD Plasmas at the Princeton Collaborative Research Facility (PCRF)	University of Notre Dame	Notre Dame	IN	46556-5612
Uddi, Mruthunjaya	In-Situ Laser Diagnostics to Understand Plasma-Surface Interactions in Titanium Thin Film Deposition	Advanced Cooling Technologies, Inc.	Lancaster	PA	17601-5606
Povitsky, Alex	Heating of an ensemble of nanoparticles in a plasma radiation field in Rayleigh regime with considering radiative exchange between particles	University of Akron	Akron	OH	44325-2102
Tang, Xianzhu	Designing and Interpreting MST Experiments of Wave-runaway Interactions with Fully Kinetic Simulations	Los Alamos National Laboratory (LANL)	Los Alamos	NM	87545-0001