Department of Energy Announces $8.45 Million for Research in Basic Plasma Science and Engineering

Annoucement Number: *DE-FOA-0002889 Research in Basic Plasma Science and Engineering* *List Posted:* *8/23/2023*

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

Principal Investigator	Title	Institution	City	State	9-digit zip code
Akiyama, Tsuyoshi	Dispersion Interferometer for Atmospheric Plasma Diagnostics and Controls (GACP 20019436)	General Atomics	San Diego	CA	92121-1122
Bane, Sally	Multi-Stage Evolution of Nanosecond Pulsed Plasmas at High Pressures - High-Resolution Measurements and Modeling	Purdue University	West Lafayette	IN	47906-1332
Biyikli, Necmi	Investigating Hollow-Cathode Plasmas for Low-Temperature Channel Materials	University of Connecticut	Storrs	CT	06269-1133
Boldyrev, Stanislav	Turbulence in a strongly magnetized relativistic plasma: theory and kinetic simulations	University of Wisconsin - Madison	Madison	WI	53715-1218
Chesny, David	Laboratory Study of 3D Torsional Magnetic Reconnection to Understand Energy Conversion and Ion Acceleration	SpaceWave, LLC	Satellite Beach	FL	32937-1907
Graves, David	Atomic layer control of plasma-surface interactions for diamond	Princeton University	Princeton	NJ	08544-2020
Jiang, Chunqi	Target effects on the electric field and charge transfer in a repetitive nanosecond pulsed plasma impinging on a biomaterial	Old Dominion University	Norfolk	VA	23508-2561
Kushner, Mark	Controlling Charged Particle Fluxes to Surfaces in Low Temperature Plasma: Charging of Micro- and Nano-scale Features	University of Michigan	Ann Arbor	MI	48109-1274
Liu, Yang	Fundamental study of the dynamic and thermal behaviors of supercooled droplet interacting with plasma discharge	City University of New York	New York	NY	10031-9107
Matthews, Lorin	Charging and Transport of Dust in the Presence of Magnetic fields	Baylor University	Waco	TX	76798-7360
Shannon, Steven	Controlling Charged Particle Fluxes to Surfaces in Low Temperature Plasmas: Charging of Micro- and Nano-scale Features	North Carolina State University	Raleigh	NC	27695-7514
Swearer, Dayne F	Mechanistic Determination of Plasma-Surface Interactions for Low Temperature Plasmas: Novel Methods for Understanding and Controlling Chemical Outcomes at Interfaces	Northwestern University	Chicago	IL	60611-4579
Xu, Kunning	Laboratory Study of 3D Torsional Magnetic Reconnection to Understand Energy Conversion, and Ion Acceleration	University of Alabama in Huntsville	Huntsville	AL	35899-0001