

Department of Energy Announces \$7 Million for Research in Basic Plasma Science and Engineering

Announcement Number: DE-FOA-0003254

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
Che, Fanglin	Multi-Scale Model-Informed Deep Learning for Plasma-Nanoparticle Interaction	University of Massachusetts Lowell	Lowell	MA	01854-3692
Locke, Bruce	Analysis of Nanosecond Pulse Delivery Modes on Chemical Reactions and Microbial Species in Gas-Liquid Plasma Reactors	Florida State University	Tallahassee	FL	32306-4166
Anthony, Rebecca	Magnetic Field Perturbation of RF Flow-through Plasmas for Diamond Nanoparticle Synthesis	Michigan State University	East Lansing	MI	48824-2601
Kortshagen, Uwe	Fundamentals of plasmas interacting with two-dimensional materials for the manufacture of future semiconductors	University of Minnesota	Minneapolis	MN	55455-2070
Farouk, Tanvir	Fundamental Understanding of Self-Organizing Pattern Formation During Plasma-Liquid Interface Interaction - Multiphysics Simulations and Experiments	University of South Carolina	Columbia	SC	29208-0001
Aydil, Eray	Investigating Plasma-Liquid Interactions using Attenuated Total Internal Reflection Spectroscopy to Elucidate the Roles of Plasma Species in Inducing Chemical Reactions at the Interface	New York University	New York	NY	10012-2331
Hahn, Michael	Alfven Wave Propagation in Inhomogeneous Plasmas to Improve Our Understanding of the Solar Corona	Columbia University	New York	NY	10027-7922
Li, Feiyu	The Role of Kinetic Electrons in Alfven Wave Parametric Instabilities at Low Plasma Beta	New Mexico Consortium	Los Alamos	NM	87544-2587
Ju, Yiguang	Control of Non-equilibrium Plasma Formation and Chemistry with Ferroelectric Electrodes and Hybrid Discharge for Efficient Manufacturing	Princeton University	Princeton	NJ	08544-2020
Bruggeman, Peter	Non-Equilibrium Evaporation in Plasma-Liquid Interactions	University of Minnesota	Minneapolis	MN	55455-2070
Egedal, Jan	Electron Energization During Magnetic Reconnection and Island Coalescence in High-S Laboratory Plasma	University of Wisconsin-Madison	Madison	WI	53715-1218