

Department of Energy Announces \$112 Million for Research on Computational Projects in Fusion Energy Sciences

Announcement Number:

DE-FOA-0002924 Scientific Discovery Through Advanced Computing (SCIDAC) - FES Partnerships

List Posted:

8/14/2023

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
Bonoli, Paul	Center for Advanced Simulation of RF - Plasma - Material Interactions	Massachusetts Institute of Technology (MIT)	Cambridge	MA	02139-4307
Smolentsev, Sergey	Center for Simulation of Plasma - Liquid Metal Interactions in Plasma Facing Components and Breeding Blankets of a Fusion Power Reactor	Oak Ridge National Laboratory (ORNL)	Oak Ridge	TN	75205-0240
Bhattacharjee, Amitava	HifiStell: High-Fidelity Simulations for Stellarators	Princeton University	Princeton	NJ	08544-0070
Vay, Jean-Luc	Unlocking kinetic effects in IFE-relevant simulations on Exascale supercomputers	Lawrence Berkeley National Laboratory (LBNL)	Berkeley	CA	94720-8099
Ebrahimi, Fatima	Development of High-Fidelity Simulation Capabilities for ELM-free Design Optimization.	Princeton Plasma Physics Laboratory (PPPL)	Princeton	NJ	08542-0451
Belli, Emily	FRONTIERS in Leadership Gyrokinetic Simulation	General Atomics	San Diego	CA	92121-1122
Collins, Cami	Fusion REactor Design and Assessment (FREDA): Enabling whole facility modeling and optimization via advanced simulation of integrated physics and engineering	Oak Ridge National Laboratory (ORNL)	Oak Ridge	TN	75205-0240
Parra, Felix	Computational evaluation and design of actuators for Core-Edge Integration	Princeton Plasma Physics Laboratory (PPPL)	Princeton	NJ	08542-0451
Xu, Xueqiao	Developing Multiscale Simulation of Boundary Plasma Dynamics	Lawrence Livermore National Laboratory (LLNL)	Livermore	CA	94550-7327
Churchill, Randy	High-fidelity Digital Models for Fusion Pilot Plant Design	Princeton Plasma Physics Laboratory (PPPL)	Princeton	NJ	08542-0451
Marian, Jaime	Integrated Thermomechanical Model of First-wall Components Under Evolving Chemistry and Microstructure During Fusion Reactor Operation	University of California, Los Angeles (UCLA)	Los Angeles	CA	90095-0190
Holland, Christopher	SMARTS: Surrogate Models for Accurate and Rapid Transport Solutions	University of California, San Diego (UCSD)	La Jolla	CA	92093-0417