

Department of Energy Announces \$4.6 Million for Research on Public-Private Partnership Awards to Advance Fusion Energy

Announcement Number: *INFUSE 2023 RFA (posted by ORNL)*

List Posted: *7/25/2023*

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

Principal Investigator	Title	Institution	City	State	9-digit zip code	Partner
Sorensen, Caroline	Electrochemical Evaluation of Hydrogen Concentration and Diffusivity in FLiBe	Commonwealth Fusion Systems	Cambridge	MA	02139-4239	UC Berkeley
Hannasch, Andrea	Design of proton diagnostics operating at high repetition rate to advance proton fast ignition	Focused Energy Inc.	Austin	TX	78758-3352	PPPL
Freeman, Christopher	Development of Tritium Sensors for Enabling Low-Carbon Technologies for FUSION (DETECT – FUSION)	Baker Hughes	Houston	TX	77073-5101	Penn State Univ.
Huang, Yibing	A low AC loss, fast ramp HTS solenoid prototype for compact Spherical Tokamak	Bruker OST	Carteret	NJ	07008-1115	PPPL
Koepke, Mark	Post Irradiation Examination of Nickel Doped Fusion Steels Irradiated in the High Flux Isotope Reactor (HFIR)	Tokamak Energy Inc	Bruceton Mills	WV	26525-5526	ORNL
Dorn, Chris	A Multiphysics Simulation of Magnetohydrodynamic Li-Pb Flow in a Blanket Module with SiCf/SiC as Structural Material	Kyoto Fusioneering America Ltd.	Seattle	WA	98101-1217	PPPL
Kuang, Adam	Deuterium retention in boron dust	Commonwealth Fusion Systems	Cambridge	MA	02139-4239	PPPL
Necas, Ales	Integrated kinetic modeling of a biased expander using Aleph code	TAE Technologies	Foothill Ranch	CA	92610-2603	SNL
Masur, Lawrence	Opportunities for Fusion Coil System in a Compact Spherical Tokamak using Low Cost, High Field Superconductors Made in USA	Gauss Fusion Inc.	Billerica	MA	01821-3915	PPPL
Dorn, Chris	Evaluating Lithium-Lead Mixtures for Increased Tritium Breeding in Fusion Energy Blanket Systems: Exploring the Impact of Composition and Temperature	Kyoto Fusioneering America Ltd.	Seattle	WA	98101-1217	ORNL
Drobny, Jon	In-situ measurements of hydrogen-titanium plasma-material interactions for model validation	TAE Technologies	Foothill Ranch	CA	92610-2603	Univ. of Illinois at Urbana-Champagin
Zarnstorff, Michael	Efficient Tritium Extraction from Liquid Lithium	Stellarex, Inc.	Wilmington	DE	19808-1674	SRNL
Kumar, Santhosh	Developing a renewable first wall with boron pebbles.	Princeton Stellarators Inc.	Branchburg	NJ	08853-4140	UC San Diego
Mehlhorn, Thomas	Design and simulation of innovative p-11B targets for IFE	HB11 Energy USA LLC	Houston	TX	77092-4010	Univ. of Rochester Lab for Laser Energetics
Furlong, Kieran	ORNL Portable Diagnostic Package for Evaluating Mirror Performance	Realta Fusion	Madison	WI	53726-4014	ORNL
Garrison, Lauren	Informing ARC divertor design and plasma facing material selection through integrated modeling	Commonwealth Fusion Systems	Cambridge	MA	02139-4239	UCLA
Dorn, Chris	Evaluating Lithium Compatibility for Electrode Materials Used in an Electrolysis-Based Tritium Extraction Process	Kyoto Fusioneering America Ltd.	Seattle	WA	98101-1217	SRNL
Pancotti, Anthony	Nonlinear kinetic simulation study of non-equilibrium and merging FRCs	Helion Energy	Everett	WA	98203-6257	PPPL