

# Scientific Machine Learning and Artificial Intelligence for Fusion Energy Sciences

## List of Awards

PI Name	Award Title	Institution	City	State	9-digit-Zip Code
Wright, John	Accelerating radio frequency modeling using machine learning	Massachusetts Institute of Technology	Cambridge	MA	02139-4307
Shiraiwa, Syunichi	Accelerating radio frequency modeling using machine learning	Princeton Plasma Physics Laboratory	Princeton	NJ	08542-0451
Bethel, Edward	Accelerating radio frequency modeling using machine learning	Lawrence Berkeley National Laboratory	Berkeley	CA	94720-8099
Ma, Tammy	Developing Real-Time Accelerated Cognitive Simulation to Advance HEDLP with High-Rep-Rate Lasers	Lawrence Livermore National Laboratory	Livermore	CA	94551-0808
Lao, Lang	EFIT-AI: Machine Learning and Artificial Intelligence Assisted Equilibrium Reconstruction for Tokamak Experiments and Burning Plasmas	General Atomics	Berkeley	CA	94720-8099
Kruger, Scott	EFIT-AI: Machine Learning and Artificial Intelligence Assisted Equilibrium Reconstruction for Tokamak Experiments and Burning Plasmas	Tech-X Corporation	Albuquerque	NM	87185-0100
Madireddy, Sandeep	EFIT-AI: Machine Learning and Artificial Intelligence Assisted Equilibrium Reconstruction for Tokamak Experiments and Burning Plasmas	Argonne National Laboratory	Knoxville	TN	37996-1529
Williams, Samuel	EFIT-AI: Machine Learning and Artificial Intelligence Assisted Equilibrium Reconstruction for Tokamak Experiments and Burning Plasmas	Lawrence Berkeley National Laboratory	Los Alamos	NM	87544-0600
Thompson, Aidan	FusMatML: Machine Learning Atomistic Modeling for Fusion Materials	Sandia National Laboratories	San Diego	CA	92121-1122
Wirth, Brian	FusMatML: Machine Learning Atomistic Modeling for Fusion Materials	The University of Tennessee	Boulder	CO	80303-1379
Perez, Danny	FusMatML: Machine Learning Atomistic Modeling for Fusion Materials	Los Alamos National Laboratory	Lemont	IL	60439-4803
Schneider, Jeff	Machine Learning for Real-time Fusion Plasma Behavior Prediction and Manipulation	Carnegie Mellon University	Pittsburgh	PA	15213-3589
Smith, David	Machine Learning for Real-time Fusion Plasma Behavior Prediction and Manipulation	The University of Wisconsin System	Madison	WI	53715-1218
Coffee, Ryan	Machine Learning for Real-time Fusion Plasma Behavior Prediction and Manipulation	SLAC National Accelerator Laboratory	Menlo Park	CA	94025-7015
Boyer, Mark	Machine Learning for Real-time Fusion Plasma Behavior Prediction and Manipulation	Princeton Plasma Physics Laboratory	Princeton	NJ	08542-0451
Kolemen, Egemen	Machine Learning for Real-time Fusion Plasma Behavior Prediction and Manipulation	The Trustees of Princeton University	Princeton	NJ	08544-2020