

Department of Energy Announces \$10.8 Million for Exploratory Research in Extreme-Scale Science

Announcement Number: DE-FOA-0003300

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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
Ushizima, Daniela	Autonomous Solutions for Computational Research with Immersive Browsing & Exploration	Lawrence Berkeley National Laboratory (LBNL)	Berkeley	CA	94720-8099
Wolski, Rich	Coupling Sensor Networks and HPC Facilities with Advanced Wireless Networks for Near-Real-Time Simulation of Digital Agriculture	Regents of the University of California, Santa Barbara	Santa Barbara	CA	93106-2050
Thain, Douglas	Coupling Sensor Networks and HPC Facilities with Advanced Wireless Networks for Near Real-Time Simulation of Digital Agriculture	University of Notre Dame du Lac	Notre Dame	IN	46556-5612
Jha, Shantenu	Coupling Sensor Networks and HPC Facilities with Advanced Wireless Networks for Near-Real-Time Simulation of Digital Agriculture	Brookhaven National Laboratory (BNL)	Upton	NY	11973-5000
Vuran, Mehmet	Coupling Sensor Networks and HPC Facilities with Advanced Wireless Networks for Near-Real-Time Simulation of Digital Agriculture	The Board of Regents, University of Nebraska for the University of Nebraska-Lincoln	Lincoln	NE	68583-0861
Merkel, Cory	Design and Fabrication of Analog Neuromorphic Systems based on Active Dendrites with non-linear Synaptic Devices for Energy-Efficient Scientific Discovery	Rochester Institute of Technology	Rochester	NY	14623-5603
Ferrier, Nicola	Digital twins and AI-enabled & IMMersive Environments for Automated Scientific Laboratories (DAIMSL)	Argonne National Laboratory (ANL)	Lemont	IL	60439-4803
Dolson, Emily	Dynamic Space-Time Memory Curation for Traceable Wafer-Scale Agent-Based Models	Michigan State University	East Lansing	MI	48824-2601
Zaman, Luis	Dynamic Space-Time Memory Curation for Traceable Wafer-Scale Agent-Based Models	Regents of the University of Michigan	Ann Arbor	MI	48109-1274
Proctor, Timothy	Emulating quantum computers with physics-aware neural networks	Sandia National Laboratories, California (SNL-CA)	Livermore	CA	94551-0969
Iancu, Costin	FLEQ*: Functional Level Qualitative Emulation of Quantum Programs	Lawrence Berkeley National Laboratory (LBNL)	Berkeley	CA	94720-8099
Butko, Anastasiia	INDIE: Intelligent Distribution for Advanced Wireless Networks with Scientific Data	Lawrence Berkeley National Laboratory (LBNL)	Berkeley	CA	94720-8099
Zeng, Yuping	Neuron blocks using HfZrO/GaN field effect transistors for energy efficiency computing	University Of Delaware	Newark	DE	19716-0099
Petersson, Anders	PULSE-LEVEL EMULATION OF A MULTI-QUBIT QUANTUM COMPUTING DEVICE	Lawrence Livermore National Laboratory (LLNL)	Livermore	CA	94551-0808
Appelo, Daniel	Quantum Digital Twins	Virginia Polytechnic Institute and State University	Blacksburg	VA	26061-0001
Motamed, Mohammad	Quantum Digital Twins	University of New Mexico	Albuquerque	NM	87131-0001
Liu, Jason	Scalable Space-Time Memory Coupled AI-Agent Simulators for Emergent Controlled Divergence	Florida International University	Miami	FL	33199-0001
Santhi, Nandakishore	Scalable Space-Time Memory Coupled AI-Agent Simulators for Emergent Controlled Divergence	Los Alamos National Laboratory (LANL)	Los Alamos	NM	87544-0600
Brown, Kevin	TimeWeave: Towards a Unified Infrastructure for PDES and Distributed ABMS	Argonne National Laboratory (ANL)	Lemont	IL	60439-4803