

DOE Data Days 2024

Office of Defense Nuclear Nonproliferation Research & Development (DNN R&D)

Lawrence Livermore National Laboratory and Online
October 22-24, 2024

Agenda

Tuesday, October 22, 2024

B123 Auditorium

Day 1 Foreign Nationals & U.S. Citizens (Unclassified)		
0730 PDT	Call-in opens Participant Verification	All
0825	Logistics and Safety	Rebecca Rodd, LLNL
0830	Welcome and LLNL Perspective	Valerie Noble, LLNL
0855	NNSA HQ Perspectives and Goals	Paul Adamson, NNSA
Cloud and Hybrid Data Management		
0915	Keynote DOE CDO – Year 1 Recap and Overview of DOE's Enterprise Data Management Strategy	Robert King, DOE CDO
0945	Break – 30 Minutes	All
1015	ARMFlow: An Event-Driven Workflow and Data Management System for the Atmospheric Radiation Measurement (ARM) Program	Elvis Offor, PNNL
1035	The spatial Platform for Advanced Research and Collaboration (SPARC) – The Energy of Visualization	Kevin Wright, DOE
1055	Cloud-Based Jupyter Notebooks for Enabling In-Situ Data Analysis and Subsetting	Zoe Guillen, PNNL
1115	Data Management for Clean Energy Demonstration Projects at Scale	Lavanya Viswanathan, DOE OCED
1135	Project Alexandria: A Data Platform	Jack Sarle, NETL
1200	Lunch	All
1300	Panel	Offor, Wright, Guillen, Viswanathan, Sarle
1330	Breakout Session	All
1430	Break – 30 Minutes	All
1500	Breakout Recap	All
1530	Lightning Talks	All
1700	Adjourn Day 1	

All times are Pacific Daylight Time

Logistics Contact Information/Help - Lisa Felker (925) 493-9480, felker7@llnl.gov

Sponsor: Department of Energy, Office of Defense Nuclear Nonproliferation Research and Development
Host: Rebecca Rodd
Meeting Coordinator: Lisa Felker (925) 423-4573
Clearance: Unclassified
Updated: 10/07/2024
LLNL No.: LLNL-WEB-869019

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Wednesday, October 23, 2024

B123 Auditorium

Day 2 Foreign Nationals & U.S. Citizens (Unclassified)		
0730 PDT	Call-in opens Participant Verification	All
0800	Logistics and Safety	Rebecca Rodd, LLNL
0815	DOE Leadership Panel	Rob King, Tom Trodden, Lavanya Viswanathan, Michael Cooke, Josh Linard
Data Intensive Computing		
0915	Keynote – Data and HPC Adjacent AI/ML Workloads	John Westlund, LLNL
0945	Break – 30 Minutes	All
1015	AskOEDI: The Open Energy Data Initiative's New AI Research Assistant	Jon Weers, NREL
1035	FusionSci: Augmented Intelligence for Cross-Disciplinary Scientific Discovery	Svitlana Volkova, Aptima Inc
1055	Safety, Security, and Trustworthiness of Data in Generative AI Ecosystems	Carlos Soto, BNL
1115	High Performance Data Facility: Status and Plans	Lavanya Ramakrishnanm LBL
1135	ESGF2-US Data Proximate Computing and Services to Accelerate Data Intensive Climate Science	Jitendra Kumar, ORNL
1200	Lunch	All
1300	Panel	Weers, Volkova, Soto, Ramakrishnanm, Kumar
1330	Breakout Session	All
1430	Break – 30 Minutes	All
1500	Breakout Recap	All
1530	Poster Preview Talks	All
1545	Poster Session – West Cafe	All
1745	Adjourn Day 2	All

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Thursday, October 24, 2024

B123 Auditorium

Day 3 Foreign Nationals & U.S. Citizens (Unclassified)		
0730 PDT	Call-in opens Participant Verification	All
0800	Logistics and Safety	Rebecca Rodd, LLNL
0815	Working Group Updates	Alex May, ORNL Miriam Blake, PNNL
Data Curation and Curation and Governance		
0830	Keynote Curated Data Pipelines for Advanced Analytics and AI	Seth Berl, DOE
0900	Towards a DOE Metadata Schema for Generalist Open Data Repositories	Meghan Berry, ORNL
0920	Merits of an interconnected and interoperable repository ecosystem	Martin Klein, PNNL
0945	Break – 30 Minutes	All
1015	Implementing Data Governance across DNN R&D	Dana Grisham, SNL
1035	From Chaos to Clarity: Actionable Insights for Supporting Data Stewards as You Mature Data Governance	Kimberly Maestas, LANL
1055	Challenges in Managing the Digital Thread in HPC Centric Modeling and Simulation Workflows	Daniel Laney, LLNL
1115	Three Data Building Blocks to a Better NSE	Camille Mathieu, LLNL
1135	LLNL's Open Data Initiative	Kerianne Pruet, LLNL
1200	Lunch	All
1300	Panel	Berry, Klein, Grisham, Maestas, Laney, Mathieu, Pruett
1330	Breakout Session	All
1430	Break – 30 Minutes	All
1500	Breakout Recap	All
1530	Wrap-up	All
1630	Adjourn Day 3	All

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