

## NERSC User Group (NUG) 2019 Meeting

	Friday, July 19, 2019	
7:30am - 8:15am	Continental Breakfast	
8:15am - 8:30am	Welcome and Meeting Introduction	<b>Richard Gerber</b> , NERSC HPC Department Head/Sr. Science Advisor
8:30am - 9:00am	NERSC Directors Perspective	<b>Sudip Dosanjh</b> , NERSC Director
9:00am - 9:30am	DOE Update/View from Germantown	<b>Ben Brown</b> , US Department of Energy / ASCR
9:30am - 10:00am	NESAP: Application Readiness, Performance & Portability Programs and Best Practices	<b>Jack Deslippe</b> , NERSC Application Performance Lead
10:00am - 10:30am	Data Science, Superfacility, & AI	<b>Debbie Bard</b> , NERSC Data Science Engagement Lead
10:30am - 10:45am	Break	
10:45am - 11:30am	NERSC Operational Results	
	<ul style="list-style-type: none"> <li>▪ Allocations and Usage</li> </ul>	<b>Richard Gerber</b> , NERSC
	<ul style="list-style-type: none"> <li>▪ Operational Metrics</li> </ul>	<b>Tina Declerck</b> , NERSC Systems Department Head
	<ul style="list-style-type: none"> <li>▪ User Survey Results</li> </ul>	<b>Rebecca Hartman-Baker</b> , NERSC User Engagement Lead
11:30am - 12:00pm	Reinventing NUG: Opportunities and Challenges	<b>Alicia Clum</b> , Berkeley Lab; Balint Joo, Jefferson Lab
12:00pm - 1:00 pm	<b>Working Lunch:</b> Introducing IRIS, NERSC's New Account Management System	<b>Cory Snavely</b> , NERSC Infrastructure Services Group
1:00pm - 1:20pm	The role of NUG in Educating Policy Makers and the Role of HPC and NERSC in Advancing DOE Mission Science	<b>Don Medley</b> , Berkeley Lab Head of Government and Community Relations
1:20pm - 1:40pm	Jupyter: Redefining the user interface to HPC	<b>Rollin Thomas</b> , NERSC Big Data Architect
1:40pm - 2:00pm	Performance Portability and Programming Models for C++ codes	<b>Balint Joo</b> , Thomas Jefferson National Accelerator Laboratory
2:00pm - 2:20pm	NESAP code optimizations for ab initio nuclear structure calculations	<b>Pieter Maris</b> , Iowa State University
2:20pm - 2:40pm	Projecting the Future of Life on Earth: Challenges in Earth System Modeling and Analysis	<b>Forrest Hoffman</b> , Oak Ridge National Laboratory
2:40pm - 3:00pm	Lessons Learned Migrating Joint Genome Institute Data Science Workloads to the Cori Supercomputer	<b>Bill Arndt</b> , NERSC
3:00pm - 3:20pm	JGI Data Services at NERSC	<b>Alicia Clum</b> , Berkeley Lab
3:20pm - 3:45pm	Break	
3:45pm - 4:30pm	Q&A with NERSC, DOE, and NUGEX; Open Discussion	
5:00pm	Adjourn	