



TECHNOLOGY DAYS 2019

EXPLORE THE CUTTING EDGE!

Tour.
Network.
Learn.

April 9-10

Lawrence Berkeley National Laboratory & Lawrence Livermore National Laboratory

To RSVP, please email BetterPlants@ee.doe.gov . RSVP Deadline is March 15, 2019

Technology Days are designed to help Better Buildings, Better Plants partners leverage the unique resources, facilities, and expertise at DOE National Labs to improve their competitiveness and energy performance. At Technology Days, industrial energy and R&D staff have the unique opportunity to:

- **TOUR** state-of-the-art facilities at National Labs;
- **VIEW** first-hand demonstrations of innovative technologies under development;
- **HEAR** from experts from the Lab and industry;
- **LEARN** how to easily leverage research and technologies through lab-industry partnerships; and,
- **NETWORK** with lab technologists and other Better Plants partners and thought-leaders from the industrial sector.



Technology Days 2019 Tentative Agenda

Day One: Lawrence Livermore National Lab

7:30-8:30	Badging/Hospitality
8:30-8:40	Order of the Day – Wayne Miller, Deputy Director HPC Innovation Center
8:40-9:00	Welcome address Anantha Krishnan, Associate Director for Engineering
9:00-9:50	Materials and Manufacturing Briefings <u>Overview</u> – Diane Chinn, Division Leader, Materials and Manufacturing <u>Additive Manufacturing Process Optimization</u> – Wayne King, Senior Scientist
9:50-10:00	Break
10:00-11:00	Computing & Modeling Briefings

	<u>Machine Learning for Manufacturing</u> – Vic Castillo, Senior Scientist
	<u>Design Optimization</u> – Dan Tortorelli, Strategic Initiative Lead
	<u>Advanced Simulation for Discovery</u> – Fred Streitz, Chief Computational Scientist
11:00-12:00	Parallel tours Advanced Manufacturing Lab High Performance Computing Fiber Optic Draw Tower
12:00-1:30	Lunch
1:30-2:30	Parallel tours (AML, HPC, Fiber)
2:30-3:30	Parallel tours (AML, HPC, Fiber)
3:30-4:30	Water and Cyber Briefings <u>Institutional Water Management</u> – Ellen Raber, Senior Scientist <u>Capacitive Water Deionization</u> – Pat Campbell, Technology Lead <u>Civilian Cyber Activities</u> – Jovana Helms, Technology Lead <u>Cybersecurity for the Grid</u> – Liang Min, Strategic Initiative Lead
4:30-5:00	Working with LLNL, Q&A
5:00	Adjourn

Day One: Lawrence Berkeley National Lab

8:00-9:00	Arrive at LBNL
9:00-9:15	Opening Remarks and Introduction to LBNL – Deputy Lab Director Horst Simon
9:15-9:30	DOE Remarks – Eli Levine
9:30-9:45	Overview of the Day – Prakash Rao, Research Scientist
9:45-10:30	Working with LBNL’s Industry and Partnerships Office – Elsie Quait Randall
10:30-10:45	Coffee Break
10:45-11:15	Scientific panel: Combustion and Batteries research at LBNL <u>Combustion</u> : Vi Rapp, Research Scientist <u>Batteries</u> : Vince Battaglia, Head of the Electrochemical Technologies Group
11:15-12:30	Tours: Combustion and Battery Labs
12:30-1:30	Working Lunch with Presentation of ABPDU (Biofuels and Bioproducts)
1:30-2:30	Tour FLEXLAB
2:30-3:00	Scientific Panel: Technical Assistance <u>50001 Ready and Water Efficiency Strategies</u> : Prakash Rao <u>Building Simulation Tools</u> : Tianzhen Hong, Staff Scientist
3:00-3:30	Scientific Panel: Next generation strategies <u>Data Visualization</u> : Deb Agrawal <u>CinderBio of Cyclotron Road</u> : Jill Fuss
3:30-4:30	Industry forum: How industry would like to work with LBNL and National Labs