

2024 Thermal Mechanical Chemical Energy Storage Workshop

July 31–August 1, 2024

Location

1300 West W. T. Harris Blvd.
Charlotte, North Carolina 28262
EPRI Charlotte Office

Schedule

Day 1: 8:00 am – 6:00 pm
Day 2: 8:00 am – 12:30 pm *Optional Tour

Cost

This is an invitation only event.
There is no cost for this workshop.

Workshop Overview

Thermal, mechanical, and chemical energy storage (TMCES) technologies are viable alternatives to batteries for a range of energy storage applications including long duration energy storage. Specifically, technologies such as compressed air, flywheel, liquid air, pumped heat, pumped hydro, thermal heat, hydrogen, etc. storage methods are advancing rapidly toward commercialization and compete with batteries to cover a broad range of electric grid needs. This joint industry-government-academia TMCES workshop will provide an open information and networking session with the primary goal to advance non-battery electric storage technologies. Researchers, industry partners, and end-users will meet in this workshop to discuss the state-of-the art of technology and application requirements, identify technology gaps and research needs, and develop guidance to coordinate and direct future pre-competitive R&D activities related to thermal, mechanical, and chemical energy storage technologies. Open discussion sessions will be held to solicit input from workshop participants on the direction of energy storage research funding. This 1.5-day event is jointly organized by members from the industry, academia and the US Department of Energy.



SOUTHWEST RESEARCH INSTITUTE



Heatric

For more information, please contact:

Leslie Solis-Justice – lsolisjustice@swri.org
Rachel Pyle – rpyle@elliott-turbo.com

Organizing Committee:

Chair: Klaus Brun, Elliott Group
Co-Chair: Tim Allison, SwRI

Mark Anderson – University of Wisconsin
Derrick Bauer – Elliott Group
Matthew Bauer – DOE-SETO
Bill Capp – StorWorks Power
Larissa Fair – LDES Council
Charles Forsberg – MIT
Chris Fraughton – MAN Energy Solutions USA Inc.
Sebastian Freund – Energiefreund Consulting
Michael Geyer – Malta, Inc.
Sonia Gonzalez – Garciz-EPRI
Markus Haider – SandTES
Tim Held – Echogen
Doug Hofer – SwRI
Scott Hume – EPRI
Carlos Koeneke – Mitsubishi Power
Ranier Kurz – Solar Turbines
Renaud Le Pierres – Meggitt PLC
Robie Lewis – DOE
John Marra – Siemens Energy
Marybeth McBain – Elliott Group
Bhima Sastri – DOE
Avi Schultz – DOE
Natalie Smith – SwRI
Joe Stekli – Galvanize Climate Solutions
Craig Turchi – NREL
David Voss – Energetics
Karl Wygant – Elliott Group