

THERMAL-MECHANICAL-CHEMICAL ENERGY STORAGE WORKSHOP

EVENT AGENDA

Tuesday – August 10, 2021		Introduction
7:30 – 8:15	Breakfast/Registration	
8:15 – 8:30	Welcome/Safety	
8:30 – 9:00	Keynote Speaker	
9:00 – 9:30	DOE Keynote Overview – U.S. DOE Energy Storage and Electric Grid Initiatives (DOE – Michael Pesin)	
9:30 – 10:00	Technical Presentation – TMCES Technology Overview and Research Activities (SwRI – Tim Allison)	
10:00 – 10:15	Break	
10:15 – 10:45	Technical Presentation – Hydrogen Pipelines & Storage (Solar – Rainer Kurz)	
10:45 – 12:15	Short Presentations/Technology Updates	
12:15 – 1:00	Lunch	
1:00 – 1:30	California Energy Commission – The Role of Energy Storage in Helping California Meet the State's Future Zero Carbon Energy Goals (Mike Gravely)	
1:30 – 2:00	Technical Presentation – Electrothermal Energy Storage System (MAN – Chris Fraughton)	
2:00 – 2:30	Technical Presentation – Materials for Hydrogen Compression (Elliott Group – Derrick Bauer)	

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2:30 – 2:45	Break	
2:45 – 3:30	Panel Session – New Technology	
3:30 – 4:00	Technical Presentation – Bob Laughlin	
4:00 – 4:30	Technical Presentation – Compressed Air Energy Storage (Siemens – Robert Bailie)	
4:30 – 5:30	Open Forum Discussion	
5:30 – 5:35	Closing Comments Day 1	

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Wednesday – August 11, 2021		Introduction
7:30 – 8:15	Breakfast	
8:15 – 8:20	Welcome/Recap Day 1	
8:20 – 8:50	Keynote Speaker – (Heliogen – Steve Schell)	
8:50 – 9:20	Keynote Speaker – (Clean Power Alliance – Natasha Keefer)	
9:20 – 9:50	Technical Presentation – Development of sCO ₂ Turbomachinery and its Application to Energy Storage (SwRI – Jeff Moore)	
9:50 – 10:05	Break	
10:05 – 10:35	Technical Presentation – Heat Exchanger (Heatric – Renaud Le Pierres)	
10:35 – 11:35	Panel Session – Storage Deployment	
11:35 – 11:45	Closing and Wrap-up	