



# Energy storage cell workshop

What is the DOE physical-based hydrogen storage workshop?

DOE Physical-Based Hydrogen Storage Workshop: Identifying Potential Pathways for Lower Cost 700 Bar Storage Vessels, August 24, 2016  
Advanced Composite Materials for Cold and Cryogenic Hydrogen Storage Applications in Fuel Cell Electric Vehicles, October 29, 2015

What workshops and meetings are funded by the hydrogen program?

This page contains links to information from workshops and meetings funded by the U.S. Department of Energy Hydrogen Program. Manufacturing Automation and Recycling for Clean Hydrogen Technologies Experts Meeting, May 24-26, 2022  
H2-AMP: Advanced Materials for Proton Exchange Membrane Electrolyzers Workshop, March 30-31, 2022

When is the 2022 high temperature electrolysis workshop?

High-Temperature Electrolysis Manufacturing Workshop, March 8-9, 2022  
Liquid Hydrogen Technologies Workshop, February 22-23, 2022  
Bulk Storage of Gaseous Hydrogen Workshop, February 10-11, 2022  
Advanced Liquid Alkaline Electrolysis Experts Meeting, January 26-27, 2022

Workshop Topics Energy Storage Moderator: Dr. Vicky Doan-Nguyen Trigg, The Aerospace Corporation  
Accelerating power technologies for the next 40 years of space missions, and ...

s at Austin with Prof. John B. Goodenough (the winner of 2019 Nobel Prize in Chemistry). He has been engaged in the research of new energy materials and devices such as lithium-ion ...

The U.S. Department of Energy (DOE) and Industry Canada held a Hydrogen Energy Storage for Grid and Transportation Services Workshop on May 14-15, 2014, in ...

A workshop addressing the current state-of-the-art of reversible fuel cells that use hydrogen/air or hydrogen/oxygen was held on April 19, 2011, at the Renaissance Capital View Hotel in ...

This project meeting engaged stakeholders from various areas within the data center and hydrogen and fuel cells industries to discuss the suitability and needs of hydrogen fuel cell ...

An essentially identical technology to a reversible fuel cell is that of a redox flow cell (RFC) or redox flow battery (RFB), where a RFC can be seen as merging the concepts of RFBs with ...

Executive Summary On February 10-11, 2022, the Hydrogen and Fuel Cell Technologies Office (HFTO), within the Office of Energy Efficiency and Renewable Energy (EERE), and the Office ...

The objective of the workshop was to identify the research, development, and demonstration needs in the areas



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of compression, storage, and dispensing (CSD) to enable cost reduction of ...

Energy capacity sensitivity analysis Impacts from increased renewables (backup slides) Impacts on larger grid system (backup slides) Recent hydrogen energy storage Workshop Conclusions

Executive Summary An essentially identical technology to a reversible fuel cell is that of a redox flow cell (RFC) or redox flow battery (RFB), where a RFC can be seen as merging the ...

Objective and Approach The objective of the Hydrogen Compression, Storage, and Dispensing Cost Reduction Workshop was to share information and identify the research, development, ...

Energy storage cell pack workshop Can a modular battery-pack solve a cell-to-cell imbalance? However, as the cell to cell imbalances tend to rise over time, the cycle life of the battery-pack is ...

The U.S. Department of Energy (DOE) Hydrogen and Fuel Cell Technologies Office (HFTO) in collaboration with the National Aeronautics and Space Administration (NASA) hosted the ...

Advanced Research on Integrated Energy Systems Energy Storage Virtual Workshop NREL's Advanced Research on Integrated Energy Systems (ARIES) Energy ...

The workshop goal was to address development needs for low-cost, energy-efficient, scalable, and safe liquid hydrogen generation, dispensing, and end-use. The workshop included ...

Energy Storage and Nuclear Power: Fuel Cells Session: Progress on Lunar Night Survival Regenerative Fuel Cell System Development to TRL 5 at Air Liquide Advanced ...

Moderator: Yao Lao, The Aerospace Corporation What are the toughest challenges facing our power generation community that keeps you up at night? Join world leading experts in the field ...

The U.S. Department of Energy's (DOE) Hydrogen Program hosted a virtual Bulk Storage of Gaseous Hydrogen Workshop on February 10-11, 2022. The objectives of the two-day ...

Reversible Fuel Cells Workshop Summary Report Presentations Development of Reversible Fuel Cell Systems at Proton Energy, Mr. Everett Anderson, PROTON ON SITE Regenerative Fuel ...

Our objective is to engage a broad spectrum of the polymer community in meeting the needs of new types of energy technologies such as fuel cells, electrolyzers, and advanced batteries.

Video recording and text version of the webinar titled "Increasing Renewable Energy with Hydrogen Storage and Fuel Cell Technologies," originally presented on August 19, 2014.



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The primary workshop objective was to address development needs for low-cost, energy-efficient, scalable, and safe liquid hydrogen generation, dispensing, and end use. The workshop ...

Energy Storage Training PowerSwitch offers a variety of training courses in energy storage, which can be provided in-person or virtually. Our staff for each training is chosen for the presentation ...

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