

List of Projects Presented but Not Reviewed

Project ID	Project Title	Principal Investigator Name	Organization
PD-016	Oil-Free Centrifugal Hydrogen Compression Technology Demonstration	Hooshang Heshmat	Mohawk Innovative Technology
PD-017	Development of a Centrifugal Hydrogen Pipeline Gas Compressor	Frank Di Bella	Concepts NREC
PD-021	Development of High-Pressure Hydrogen Storage Tank for Storage and Gaseous Truck Delivery	Don Baldwin	Hexagon Lincoln
PD-031	Renewable Electrolysis Integrated System Development and Testing	Kevin Harrison	National Renewable Energy Laboratory
PD-036	Maximizing Light Utilization Efficiency and Hydrogen Production in Microalgal Cultures	Tasios Melis	University of California, Berkeley
PD-056	Critical Research for Cost-Effective Photoelectrochemical Production of Hydrogen	Liwei Xu	Midwest Optoelectronics, LLC
PD-091	Bio-Fueled Solid Oxide Fuel Cells	Gokhan Alptekin	TDA Research, Inc.
PD-092	Rapid, High-Pressure Liquid Hydrogen Refueling for Maximum Range and Dormancy	Aceves Salvador	Lawrence Livermore National Laboratory
PD-101	Cryogenically Flexible, Low-Permeability Hydrogen 700 Bar Delivery Hose	Jennifer Lalli	Nanosonic
PD-104	Hydrogen Generation for Refineries	Girish Srinivas	TDA Research, Inc.
ST-009	Testing and Modeling of a Cryogenic Hydrogen Storage System with a Helical Coil Electric Heater	Mei Cai	General Motors
ST-014	Hydrogen Sorbent Measurement Qualification and Characterization	Phil Parilla	National Renewable Energy Laboratory
ST-028	Design of Novel Multicomponent Metal-Hydride-Based Mixtures for Hydrogen Storage	Christopher Wolverton	Northwestern University
ST-034	Aluminum Hydride: the Organometallic Approach	Jim Wegrzyn	Brookhaven National Laboratory
ST-048	Hydrogen Storage Materials for Fuel-Cell-Powered Vehicles	Andrew Goudy	Delaware State University

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ST-067	Neutron Characterization in Support of the U.S. Department of Energy Hydrogen Storage Sub-Program	Terry Udovic	National Institute for Standards and Technology
ST-095	Low-Cost, Metal-Hydride-Based Hydrogen Storage System for Forklift Applications (Phase II)	Adrian Narvaez	Hawaii Hydrogen Carriers, LLC
ST-105	Ultra-Lightweight, High-Pressure Hydrogen Fuel Tanks Reinforced with Carbon Nanotubes	Dongsheng Mao	Applied Nanotech, Inc.
ST-110	Optimizing the Cost and Performance of Composite Cylinders for Hydrogen Storage Using a Graded Construction	Andrea Haight	Composite Technology Development
ST-111	Thermomechanical Cycling of Thin-Liner High-Fiber-Fraction Cryogenic Pressure Vessels Rapidly Refueled by Liquid Hydrogen Pump to 700 bar	Salvador Aceves	Lawrence Livermore National Laboratory
ST-112	Load-Sharing Polymeric Liner for Hydrogen Storage Composite Tanks	Scott McWhorter	Savannah River National Laboratory
FC-006	Durable Catalysts for Fuel Cell Protection during Transient Conditions	Radoslav Atanasoski	The 3M Company
FC-010	The Science and Engineering of Durable Ultralow Platinum Group Metal Catalysts	Fernando Garzon	Los Alamos National Laboratory
FC-036	Dimensionally Stable High-Performance Membranes	Cortney Mittelsteadt	Giner Electrochemical Systems, LLC
FC-040	High-Temperature Membrane with Humidification-Independent Cluster Structure	Ludwig Lipp	FuelCell Energy, Inc.
FC-048	Effect of System Contaminants on Polymer Electrolyte Membrane Fuel Cell Performance and Durability	Huyen Dinh	National Renewable Energy Laboratory
FC-049	Open-Source FCPem-Performance and Durability Model (FC-APOLLO): Consideration of Membrane Properties on Cathode Degradation	Silvia Wessel	Ballard Power Systems
FC-052	Technical Assistance to Developers	Tommy Rockward	Los Alamos National Laboratory
FC-054	Transport in Polymer Electrolyte Membrane Fuel Cells	Cortney Mittelsteadt	Giner Electrochemical Systems, LLC
FC-081	Fuel Cell Technology Status Cost and Price Status	Jennifer Kurtz	National Renewable Energy Laboratory

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FC-084	WO ₃ and Heteropoly-Acid-Based Systems for Durable Pt Catalysts in PEM Fuel Cell Cathodes	John Turner	National Renewable Energy Laboratory
FC-092	Investigation of Micro- and Macro-Scale Transport Processes for Improved Fuel Cell Performance	Wenbin Gu	General Motors
FC-102	New High-Performance Water Vapor Membranes to Improve Fuel Cell Balance of Plant Efficiency and Lower Costs	Earl Wagener	Tetramer Technologies, LLC
FC-105	Low-Cost PEM Fuel Cell Metal Bipolar Plates	C.H. Wang	TreadStone Technologies, Inc.
FC-111	Best Practices and Benchmark Activities for Oxygen Reduction Reaction Measurements by the Rotating Disk Electrode Technique	Shyam Kocha	National Renewable Energy Laboratory
FC-112	Resonance-Stabilized Anion Exchange Polymer Electrolytes	Yu Seung Kim	Los Alamos National Laboratory
FC-113	Non-Platinum-Group-Metal Cathode Catalysts Using Zeolitic-Imidazolate-Framework-Based Precursors with Nanonetwork Architecture	Di-Jia Liu	Argonne National Laboratory
MN-004	Manufacturing of Low-Cost, Durable Membrane Electrode Assemblies Engineered for Rapid Conditioning	Colin Busby	W.L. Gore
MN-008	Development of Advanced Manufacturing Technologies for Low-Cost Hydrogen Storage Vessels	Mark Leavitt	Quantum Fuel Systems Technologies Worldwide, Inc.
TV-001	Fuel Cell Electric Vehicle Evaluation	Jennifer Kurtz	National Renewable Energy Laboratory
TV-017	Hydrogen Station Data Collection and Analysis	Sam Sprik	National Renewable Energy Laboratory
TV-018	Hydrogen Recycling System Evaluation and Data Collection	Rhonda Staudt	H2Pump
TV-023	Newport Beach Hydrogen Station Key Performance Indicators	Michael Kashuba	California Air Resources Board
TV-027	Hydrogen Fuel Cell Electric Vehicle Commercialization: Facilitating Collaboration, Obtaining Real-World Expertise, and Developing New Analysis Tools	Bill Elrick	California Fuel Cell Partnership

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SCS-020	International Partnership for Hydrogen and Fuel Cells in the Economy—Regulations, Codes, and Standards Working Group	Jay Keller	U.S. Department of Energy Consultant
MT-015	FCTAC Web Portal Tool Development	Matthew Post	National Renewable Energy Laboratory