

DOE Hydrogen Program 2022 AMR Program-at-a-Glance

| Topic | Monday, June 6 | Tuesday, June 7 | | | | | Wednesday, June 8 | | | |
|----------|---|---|-----------------------|-------------------------|---------------------------|------------------|------------------------|-----------------------|-------------------------|------------------|
| | *All times in Eastern Time | Fuel Cell Technologies | Hydrogen Technologies | Technology Acceleration | Safety, Codes & Standards | DOE Intra-Agency | Fuel Cell Technologies | Hydrogen Technologies | Technology Acceleration | Systems Analysis |
| 10:30 AM | | | | | | | | | | |
| 11:00 AM | PLENARY SESSION DOE Keynote Speakers DOE Hydrogen Program Overview HFTO Subprogram Overviews - Hydrogen Technologies - Fuel Cell Technologies - Technology Acceleration - Systems Analysis Reviewer Q&A AMR Awards | Hydrogen Shot Updates and Activities | | | | | FC334 | P196 | TA028 | SA174 |
| 11:30 AM | | | | | | | FC333 | | TA039 | SA175 |
| 12:00 PM | | | | | | | FC335 | P148 | TA018 | SA181 |
| 12:30 PM | | | | | | | FC336 | | TA043 | FE005 |
| 1:00 PM | | BREAK | | | | | BREAK | | | |
| 1:30 PM | | FC339 | ST241 | TA048 | SCS021 | FE001 | FC323 | P198 | TA001 | NE001 |
| 2:00 PM | | | ST238 | TA037 | SCS019 | FE002 | FC326 | P197 | TA052 | NE002 |
| 2:30 PM | | | ST236 | TA044 | SCS028 | FE003 | FC327 | P199 | TA053 | |
| 3:00 PM | | BREAK | | | | | BREAK | | | |
| 3:30 PM | | FC353 | ST239 | TA060 | SCS010 | FE004 | FC356 | IN034 | TA065 | BES001 |
| 4:00 PM | FC337 | ST237 | TA051 | SCS011 | ARPAE001 | FC167 | IN035 | TA045 | BES002 | |
| 4:30 PM | FC338 | ST240 | TA054 | FC354 | ARPAE002 | FC160 | IN015 | TA049 | SA182 | |
| 5:00 PM | Networking: Informal gather-and-greet with colleagues | | | | | | IN016 | IA001 | SA183 | |
| 5:30 PM | | | | | | | SA185 | | | |

**U.S. Department of Energy (DOE) Hydrogen Program
2022 Annual Merit Review and Peer Evaluation Meeting (AMR)
Plenary Schedule**

Day 1: June 6, 2022, 11:00 AM–5:00 PM EDT

| Time | Topic | Speakers |
|--|---|---|
| 11:00 AM | Welcome and Introduction | Shawna McQueen , AMR Chair and Sunita Satyapal , Director, Office of Energy Efficiency and Renewable Energy - Hydrogen and Fuel Cell Technologies Office (EERE-HFTO) |
| 11:02 AM | Opening Remarks | Energy Secretary Jennifer M. Granholm |
| 11:10 AM | DOE Leadership Perspectives | Shalanda H. Baker , Secretarial Advisor on Equity and Deputy Director for Energy Justice |
| 11:15 AM | DOE Hydrogen Program Update | Sunita Satyapal , Director, EERE-HFTO |
| 12:00 PM | DOE Hydrogen Program Panel | Sunita Satyapal , EERE-HFTO Robert Schrecengost , Fossil Energy and Carbon Management Jason Marcinkoski , Nuclear Energy John Vetrano , Office of Science Todd Shrader , Office of Clean Energy Demonstrations |
| <i>12:30 PM</i> | <i>Break</i> | |
| 1:00 PM | Hydrogen Technologies Overview | Ned Stetson , Program Manager, Hydrogen Technologies, EERE-HFTO |
| 1:50 PM | Fuel Cell Technologies Overview | Dimitrios Papageorgopoulos , Program Manager, Fuel Cell Technologies, EERE-HFTO |
| 2:30 PM | Technology Acceleration Overview | Jesse Adams , Program Manager, Technology Acceleration, EERE-HFTO |
| <i>3:20 PM</i> | <i>Break</i> | |
| 3:50 PM | Analysis Overview | Neha Rustagi , Team Lead, Systems Analysis, EERE-HFTO |
| 4:10 PM | Reviewer Q&A | Moderator: Eric Miller , Senior Advisor, EERE-HFTO |
| 4:45 PM | DOE Hydrogen Program Awards | Michael Berube , Deputy Assistant Secretary for Sustainable Transportation, EERE and Sunita Satyapal , EERE-HFTO |
| <i>5:00 PM</i> | <i>AMR Program Plenary Ends</i> | |
| 5:00 PM – 6:00 PM – Optional Networking Session | | |

Day 2: June 7, 2022, 11:00 AM–1:00 PM EDT

| Time | Topic |
|-----------------|---|
| 11:00 AM | DOE Hydrogen Shot Strategy Discussion |
| 12:00 PM | Hydrogen Shot – Industry/Lab Collaboration and Innovations Panel |
| 1:00 PM | Plenary Ends/AMR Break |
| <i>1:30 PM</i> | <i>AMR Oral Technical Sessions Start</i> |

Tuesday, June 7 Oral Presentations

| Time | Fuel Cell Technologies | Hydrogen Technologies | Technology Acceleration | Safety, Codes & Standards | Intra-Agency Activities |
|---------|--|--|--|---|---|
| 1:00 pm | | | | | |
| 1:30 pm | FC339 M2FCT: Million Mile Fuel Cell Truck Consortium Rod Borup & Adam Weber, M2FCT | ST241 First Demonstration of a Commercial Scale LH2 Storage Tank Design for International Trade Applications Kun Zhang, Shell | TA048 ARIES / Flatirons Facility - Hydrogen System Capability Buildout Daniel Leighton, NREL | SCS021 NREL Hydrogen Sensor Testing Laboratory William Buttner, NREL | FE001 Subsurface Hydrogen Assessment, Storage, and Technology Acceleration (SHASTA) Angela Goodman, Joshua White, and Nicolas Huerta, NETL, LLNL, and PNNL |
| 2:00 pm | | ST238 Low-Cost, High-Strength Hollow Carbon Fiber for Compressed Gas Storage Tanks Matthew Weisenberger, University of Kentucky | TA037 Demonstration and Framework for H2@Scale in Texas and Beyond Rich Myhre, Frontier Energy Inc. | SCS019 Hydrogen Safety Panel, Safety Knowledge Tools, and First Responder Training Resources Nick Barilo, PNNL | FE002 A Highly Efficient and Affordable Hybrid System for Hydrogen and Electricity Production Ying Liu, Phillips 66 |
| 2:30 pm | | ST236 Low-Cost, High-Performance Carbon Fiber for Compressed Natural Gas Storage Tanks Xiaodong Li, University of Virginia | TA044 System Demonstration for Supplying Clean, Reliable and Affordable Electric Power to Data Centers using Hydrogen Fuel Paul Wang, Caterpillar, Inc. | SCS028 Hydrogen Education for a Decarbonized Global Economy (H2EDGE) Thomas Reddoch, EPRI | FE003 Performance Improvements for Reversible Solid Oxide Fuel Cell Systems Hossein Ghezeli-Ayagh, FuelCell Energy |
| 3:00 pm | | | | | |
| 3:30 pm | FC353 Fuel Cell Cost and Performance Analysis Brian James, Strategic Analysis, Inc. | ST239 Melt-Spun PAN Precursor for Cost-Effective Carbon Fibers in High Pressure Compressed Gas Tankage Felix Paulauskas, ORNL | TA060 U.S. Wind to Hydrogen Modeling, Analysis, Testing, and Collaboration Aaron Barker, NREL | SCS010 R&D for Safety, Codes and Standards: Hydrogen Behavior Ethan Hecht | FE004 Performance Validation of a Thermally Integrated 50 kW High Temperature Electrolyzer System Tyler Westover, INL |
| 4:00 pm | FC337 Cummins PEM Fuel Cell System for Heavy Duty Applications Jean St-Pierre, Cummins Inc. | ST237 Carbon Composite Optimization Reducing Tank Cost Dylan Winter, Hexagon R&D | TA051 Low Total Cost of Hydrogen by Exploiting Offshore Wind and PEM Electrolysis Synergies Hui Xu, Giner, Inc. | SCS011 Hydrogen Quantitative Risk Assessment Brian Ehrhart, SNL | ARPAE001 Co-Synthesis of Hydrogen and High-Value Carbon Products from Methane Pyrolysis Matteo Cargnello, Stanford University |
| 4:30 pm | FC338 Domestically Manufactured Fuel Cells for Heavy-Duty Applications Karen Swider Lyons, Plug Power | ST240 Cost-Optimized Structural Carbon Fiber for Hydrogen Storage Tanks Amit Naskar, ORNL | TA054 AEM Water Electrolyzer for Hydrogen Production from Offshore Wind Richard Masel, Alchemr, Inc | FC354 L'Innovator Program Emory De Castro, Advent Technologies | ARPAE002 High Power Density Carbon Neutral Electrical Power Generation for Air Vehicles Rory Roberts, Tennessee Tech University |
| 5:00 PM | | | | | |

| Wednesday, June 8 Oral Presentations | | | | |
|--------------------------------------|---|---|---|---|
| Time | Fuel Cell Technologies | Hydrogen Technologies | Technology Acceleration | Systems Analysis / Intra-Agency Activities |
| 11:00 AM | FC334 Extending PFSA Membrane Durability Through Enhanced Ionomer Backbone Stability Gregg Dahlke, 3M | P196 H2NEW Consortium: Hydrogen from Next-Generation of Electrolyzers of Water Bryan Pivovar, NREL & Richard Boardman, INL, NREL | TA028 Demonstration of Electrolyzer Operation at a Nuclear Plant to Allow for Dynamic Participation in an Organized Electricity Market and In-House Hydrogen Supply Uuganbayar Otgonbaatar, Exelon | SA174 Life Cycle Analysis of Hydrogen Pathways Amgad Elgowainy, ANL |
| 11:30 AM | FC333 Advanced Membranes for Heavy Duty Fuel Cell Trucks Andrew Baker, Nikola Motor Company | | TA039 Solid Oxide Electrolysis System Demonstration Hossein Ghezeli-Ayagh, FuelCell Energy, Inc. | SA175 Regional Hybrid Energy Systems Technoeconomic Analysis Bethany Frew, NREL |
| 12:00 PM | FC335 Additive Functionalized Polymers for Extended Heavy Duty Polymer Electrolyte Membrane Lifetimes Tom Corrigan, The Lubrizol Corporation | P148 HydroGEN Overview: A Consortium on Advanced Water Splitting Materials Huyen Dinh, NREL | TA018 High Temperature Electrolysis Test Stand Micah Casteel, INL | SA181 Global Change Analysis Model Expansion-Hydrogen Pathways Page Kyle, PNNL |
| 12:30 PM | FC336 A Systematic Approach to Developing Durable, Conductive Membranes for Operation at 120C Tom Zawodzinski, University of Tennessee - Knoxville | | TA043 Electrolyzer Stack Development and Manufacturing Olga Marina, PNNL | FE005 Comparison of Commercial, State-of-the-Art, Fossil-Based Hydrogen Production Technologies Eric Lewis, NETL |
| 1:00 PM | | | | |
| 1:30 PM | FC323 Durable Fuel Cell MEA through Immobilization of Catalyst Particle and Membrane Chemical Stabilizer Nagappan Ramaswamy, GM | P198 Enabling Low Cost PEM Electrolysis at Scale Through Optimization of Transport Components and Electrode Interfaces Chris Capuano, Nel Hydrogen | TA001 MEA Manufacturing R&D Peter Rupnowski, NREL | NE001 Dynamic Nuclear Thermal Energy Integration for High Temperature Electrolysis Shannon Bragg-Sitton, INL |
| 2:00 PM | FC326 Durable MEAs for Heavy-Duty Fuel Cell Electric Trucks John Slack, Nikola Motor Company | P197 Advanced Manufacturing Processes for Gigawatt-Scale Proton Exchange Membrane Water Electrolyzer Oxygen Evolution Reaction Catalysts and Electrodes Andrew Steinbach, 3M | TA052 Solid Oxide Electrolysis Cells (SOEC) Integrated with Direct Reduced Iron (DRI) Plants for Producing Green Steel Jack Brouwer, University of California, Irvine | NE002 Nuclear Hydrogen and Synthetic Diesel and Jet Fuel Amgad Elgowainy & Richard Boardman, ANL & INL |
| 2:30 PM | FC327 Durable High Power Density Fuel Cell Cathodes for Heavy-Duty Vehicles Shawn Litster, Carnegie Mellon University | P199 Integrated Membrane Anode Assembly & Scale-Up Adam Paxson, Plug Power | TA053 Grid-Interactive Steelmaking with Hydrogen (GISH) Ronald Omalley, Missouri University of Science & Technology | |
| 3:00 PM | | | | |
| 3:30 PM | FC356 FY21 SBIR I: Durable High Efficiency Membrane and Electrode Assemblies for Heavy Duty Fuel Cell Vehicles Hui Xu, Giner, Inc. | IN034 HyBlend: Pipeline CRADA Cost and Emissions Analysis Kevin Topolski & Pingping Sun, NREL | TA065 Total Cost of Ownership (TCO) Analysis of Hydrogen Fuel Cells in Off Road Heavy-Duty Applications – Preliminary Results Rajesh Ahluwalia, ANL | BES001 Electrocatalysis in Alkaline Media at CABES Hector Abruña, Cornell University |
| 4:00 PM | FC167 FY20 SBIR IIA: Multi-Functional Catalyst Support Minette Ocampo, pH Matter, LLC | IN035 HyBlend: Pipeline CRADA Materials R&D Chris San Marchi, SNL | TA045 Waterfront Maritime Hydrogen Demonstration Project Narendra Pal, Hornblower | BES002 Critical Importance of Renewable H2 for Carbon-Neutral CO2 Conversion Jingguang Chen, Columbia University |
| 4:30 PM | FC160 ElectroCat 2.0 (Electrocatalysis Consortium) Deborah Myers, ANL & Piotr Zelenay, LANL | IN015 Optimizing the Heisenberg Vortex Tube for Hydrogen Cooling Jacob Leachman, Washington State University | TA049 High Pressure, High Flow Rate Dispenser and Nozzle Assembly for Heavy Duty Vehicles Spencer Quong, Electricore | SA182 Biomass gasification Optimal Business Case Analysis Tool Bridger Cook, Oregon State University |
| 5:00 PM | | IN016 Free-Piston Expander for Hydrogen Cooling Devin Halliday, Gas Technology Institute | IA001 H2@Rescue: Design and Deployment of PEM Fuel Cell-Battery Powered Hybrid Emergency Relief Truck Archit Koti, Cummins | SA183 H2X: A Tool to Run Green Hydrogen Business Analysis Scenarios in Seconds Sharun Kumar & Amanda Wonnell, University of California, Berkeley |
| 5:30 PM | | | | |
| | SA185 Hydrogen Business Appraisal Tool Nicolas Alfonso Vargas & Moon Jung Kim, University of Southern California | | | |

Poster Presentations

| Fuel Cell Technologies | | |
|-------------------------------|---|--|
| FC170 | ElectroCat: Durable Mn-Based PGM-Free Catalysts for Polymer Electrolyte Membrane Fuel Cells | Hui Xu, Giner, Inc. |
| FC172 | ElectroCat: Highly Active and Durable PGM-Free ORR Electrocatalysts through the Synergy of Active Sites | Yuyan Shao, PNNL |
| FC304 | ElectroCat: Fuel Cell Membrane Electrode Assemblies with PGM-Free Nanofiber Cathodes | Peter Pintauro, Vanderbilt University |
| FC307 | Cyclic Olefin Copolymer-Based Alkaline Exchange Polymers and Reinforced Membranes | Chulsung Bae, RPI |
| FC309 | PILBCP-IL Composite Ionomers for High Current Density Performance | Joshua Snyder, Drexel University |
| FC314 | Efficient Reversible Operation and Stability of Novel Solid Oxide Cells | Scott Barnett, Northwestern University |
| FC317 | Stationary Direct Methanol Fuel Cells Using Pure Methanol | Xianglin Li, University of Kansas |
| FC328 | FY19 SBIR II: Novel Fluorinated Ionomer for PEM Fuel Cells | Hui Xu, Giner, Inc. |
| FC330 | High Efficiency Reversible Solid Oxide System | Hossein Ghezel-Ayagh, FuelCell Energy, Inc. |
| FC331 | A Novel Stack Approach to Enable High Round Trip Efficiencies in Unitized PEM Regenerative Fuel Cells | Katherine Ayers, Nel Hydrogen |
| FC332 | Reversible Fuel Cell Cost Analysis | Max Wei, LBNL |
| FC341 | Advanced AEMFCs through Material Innovation | Yu Seung Kim, LANL |
| FC342 | Advanced Ionomers & MEAs for Alkaline Membrane Fuel Cells (AMFCs) | Bryan Pivovar, NREL |
| FC343 | FY20 SBIR II: Improved Ionomers and Membranes for Fuel Cells | Chris Topping, Tetramer Technologies, LLC |
| FC344 | Low-Cost Corrosion-Resistant Coated Aluminum Bipolar Plates by Elevated Temperature Formation and Diffusion Bonding | J.V. Yang, Raytheon Technologies Research Center |
| FC345 | Development and Manufacturing for Precious Metal Free Metal Bipolar Plate Coatings for PEM Fuel Cells | CH Wang, Treadstone Technologies, Inc. |
| FC346 | Fully Unitized Fuel Cell Manufactured by a Continuous Process | Jon Owejan, Plug Power |
| FC347 | Development of Low Cost, Thin Flexible Graphite Bipolar Plates for Heavy Duty Fuel Cell Applications | David Chadderdon, NeoGraf Solutions, LLC |
| FC348 | Fuel Cell Bipolar Plate Technology Development for Heavy Duty Applications | Siguang Xu, GM |
| FC349 | Foil Bearing Supported Compressor-Expander | Bill Buckley, R&D Dynamics Corporation |
| FC350 | High Efficiency and Transient Air Systems for Affordable Load-Following Heavy-Duty Truck Fuel Cells | Doug Hughes, Eaton Corporation |
| FC351 | Durable and Efficient Centrifugal Compressor-Based Filtered Air Management System and Optimized BOP | Mike Bunce, Mahle Powertrain, LLC |
| FC352 | Leveraging ICE Air System Technology for Fuel Cell System Cost Reduction | Rich Kruiswyk, Caterpillar, Inc. |
| FC355 | LANL Minority Serving Institution Program | Tommy Rockward, LANL |
| FC357 | FY21 SBIR I: Nanocoating for Increased Nafion Membrane Durability and Efficiency | Corey Staller, Celedyne Technologies, Inc. |
| FC358 | FY21 SBIR I: Fine Gradient Electrode and Micro Porous Layer Structures for Improved Heavy Duty Fuel Cells | Barr Zulevi, Pajarito Powder, LLC |
| FC359 | FY21 STTR I: Optimizing Liquid Free Ionomer Binders for High-Temperature Polymer Electrolyte Membrane Fuel Cells for Heavy Duty | Chris Arges, Ionomer Solutions, LLC |

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| FC360 | FY21 STTR I: Development of a Direct Fuel Cell for the Perhydrodibenzyltoluene / Dibenzyltoluene Fuel Pair | Guido Pez, Energy 18H, LLC |
| Hydrogen Technologies - Production | | |
| H2057 | Electrolyzer/Bioreactor Integration (EBI) | Kevin Harrison, NREL |
| P152 | Proton-Conducting Solid Oxide Electrolysis Cells for Large-Scale Hydrogen Production at Intermediate Temperatures | Prabhakar Singh, University of Connecticut |
| P154 | Thin-Film, Metal-Supported High-Performance and Durable Proton-Solid Oxide Electrolyzer Cell | Tianli Zhu, Raytheon Technologies Research Center |
| P170 | Benchmarking Advanced Water Splitting Technologies: Best Practices in Materials Characterization | Olga Marina, PNNL |
| P175 | Intermediate Temperature Proton-Conducting Solid Oxide Electrolysis Cells with Improved Performance and Durability | Xingbo Liu, West Virginia University |
| P176 | Development of Durable Materials for Cost Effective Advanced Water Splitting Utilizing All Ceramic Solid Oxide Electrolyzer Stack Technology | John Pietras, Saint-Gobain |
| P179 | BioHydrogen (BioH ₂) Consortium to Advance Fermentative Hydrogen Production | Katherine Chou, NREL |
| P182 | Binary Chloride Salts as Catalysts for Methane to Hydrogen and Graphitic Powder | Eric McFarland, C-Zero, LLC |
| P183 | Extremely Durable Concrete Using Methane Decarbonization Nanofiber Co-Products with Hydrogen | Alan W. Weimer, University of Colorado, Boulder |
| P184 | Scalable and Highly Efficient Microbial Electrochemical Reactor for Hydrogen Generation from Lignocellulosic Biomass and Waste | Hong Liu, Oregon State University |
| P185 | High-Performance AEM LTE with Advanced Membranes, Ionomers and PGM-Free Electrodes | Paul A. Kohl, Georgia Institute of Technology |
| P186 | Performance and Durability Investigation of Thin, Low Crossover Proton Exchange Membranes for Water Electrolyzers | Andrew Park, The Chemours Company FC, LLC |
| P187 | Pure Hydrogen Production through Precious-Metal-Free Membrane Electrolysis of Dirty Water | Shannon Boettcher, University of Oregon |
| P188 | Advanced Coatings to Enhance the Durability of SOEC Stacks | Emir Dogdibegovic, Nexceris, LLC |
| P190 | A Multifunctional Isostructural Bilayer Oxygen Evolution Electrode for Durable Intermediate-Temperature Electrochemical Water Splitting | Kevin Huang, University of South Carolina |
| P191 | Perovskite/Perovskite Tandem Photoelectrodes for Low-Cost Unassisted Photoelectrochemical Water Splitting | Yanfa Yan, The University of Toledo |
| P192 | Development of Composite Photocatalyst Materials That Are Highly Selective for Solar Hydrogen Production and Their Evaluation in Z- | Shane Ardo, University of California, Irvine |
| P193 | Highly Efficient Solar Water Splitting Using 3D/2D Hydrophobic Perovskites with Corrosion Resistant Barriers | Aditya D. Mohite, William Marsh Rice University |
| P194 | New High-Entropy Perovskite Oxides with Increased Reducibility and Stability for Thermochemical Hydrogen Generation | Jian Luo, University of California, San Diego |
| P195 | A New Paradigm for Materials Discovery and Development for Lower Temperature and Isothermal Thermochemical Hydrogen Production | Jonathan Scheffe, University of Florida |
| P196a | H ₂ NEW LTE: Durability and AST Development | Deborah Myers, ANL |
| P196b | H ₂ NEW LTE: Benchmarking and Performance | Adam Weber, LBNL |
| P196c | H ₂ NEW LTE: Manufacturing, Scale-Up, and Integration | Michael Ulsh, NREL |
| P196d | H ₂ NEW LTE: System and Techno-economic Analysis -- Hydrogen from Next-Generation Electrolyzers | Mark Ruth, NREL |
| P196e | H ₂ NEW HTE: Durability and AST Development | Olga Marina, PNNL |
| P196f | H ₂ NEW HTE: Cell Characterization | David Ginley, NREL |

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| P196g | H2NEW HTE: Multiscale Degradation Modeling | Brandon Wood, LLNL |
| P200 | Low-Cost Manufacturing of High Temperature Electrolysis Stacks | Scott Swartz, Nextech Materials, Ltd. |
| P201 | Automation of Solid Oxide Electrolyzer Cell (SOEC) & Stack Assembly | Todd Striker, Cummins Inc. |
| P202 | Novel Microbial Electrolysis Cell Design for Efficient Hydrogen Generation from Wastewaters | Bruce Logan, Pennsylvania State University |
| P203 | Novel Microbial Electrolysis System for Conversion of Biowastes into Low-Cost Renewable Hydrogen | Noah Meeks, Southern Company Services, Inc. |
| P204 | Hydrogen Production Cost and Performance Analysis | Brian James, Strategic Analysis, Inc. |
| Hydrogen Technologies - Delivery/Infrastructure | | |
| H2041 | H2@Scale CRADA: CA Research Consort. (Ref. Station, Fueling Perf. Test Device, Station Cap Model) | Sam Sprik, NREL |
| H2060 | Hydrogen Blending into Natural Gas Pipelines | Chris San Marchi, SNL |
| H2061 | Innovating Hydrogen Station: Heavy-Duty Fueling | Shaun Onorato, NREL |
| IN001a | H-Mat Overview: Metals | Chris San Marchi, SNL |
| IN001b | H-Mat Overview: Polymers | Kevin Simmons, PNNL |
| IN004 | Magnetocaloric Hydrogen Liquefaction | John Barclay, PNNL |
| IN014 | NDE Techniques for Pressure Vessels (SBIR): Detection of Micron-Scale Flaws through Nonlinear Wave Mixing | Marcus Grimes, Luna Innovations Inc. |
| IN018 | Heavy-Duty Compressor Development | Kathy Ayers, Nel Hydrogen |
| IN019 | Ultra-Cryopump for High Demand Transportation Fueling | Dave Chalk & Greg Hupp, RotoFlow |
| IN020 | Self-Healable Copolymer Composites for Extended Service Hydrogen Dispensing Hoses | Marek Urban, Clemson University |
| IN021 | Microstructural Engineering and Accelerated Test Method Development to Achieve Low Cost, High Performance Solutions for | Kip Findley, Colorado School of Mines |
| IN022 | Tailoring Carbide Dispersed Steels: A Path to Increased Strength and Hydrogen Tolerance | Gregory Thompson, The University of Alabama |
| IN025 | ANL-H2 Delivery Technologies Analysis | Amgad Elgowainy, ANL |
| IN026 | Tailoring Composition and Deformation Modes at the Microstructural Level for Next Generation Low-Cost High-Strength Austenitic Stainless | Petros Sofronis, University of Illinois Urbana-Champaign |
| IN029 | Reducing the Cost of Fatigue Crack Growth Testing for Storage Vessel Steels in Hydrogen Gas | Kevin Nibur, Hy-Performance |
| IN030 | Micro-Mechanically Guided High-Throughput Alloy Design Exploration towards Metastability-Induced H Embrittlement Resistance | C. Cem Tasan, Massachusetts Institute of Technology |
| Hydrogen Technologies - Storage | | |
| ST001 | System Level Analysis of Hydrogen Storage Options | Rajesh Ahluwalia, ANL |
| ST008 | Hydrogen Storage System Modeling: Public Access, Maintenance, and Enhancements | Sam Sprik, NREL |
| ST127 | HyMARC Overview | Tom Gennett, NREL |
| ST148 | Novel Plasticized Melt Spinning Process of PAN Fibers Based on Task-Specific Ionic Liquids | Sheng Dai, ORNL |

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| ST202 | HyMARC—NREL Activities | Tom Gennett, NREL |
| ST204 | HyMARC—PNNL Activities | Tom Autrey, PNNL |
| ST207 | HyMARC—LLNL Activities | Brandon Wood, LLNL |
| ST209 | HyMARC Seedling: Theory-Guided Design and Discovery of Materials for Reversible Methane and Hydrogen Storage | Omar Farha, Northwestern University |
| ST210 | HyMARC Seedling: Metal-Organic Frameworks Containing Frustrated Lewis Pairs for Hydrogen Storage at Ambient Temperature | Shengqian Ma, University of South Florida |
| ST211 | HyMARC Seedling: Optimal Adsorbents for Low-Cost Storage of Natural Gas and Hydrogen: Computational Identification, Experimental | Don Siegel, University of Michigan |
| ST212 | HyMARC Seedling: Methane and Hydrogen Storage with Porous Cage-Based Composite Materials | Eric Bloch, University of Delaware |
| ST213 | HyMARC Seedling: Uniting Theory and Experiment to Deliver Flexible MOFs for Superior Methane (NG) Storage | Brian Space, University of South Florida |
| ST214 | HyMARC Seedling: Heteroatom-Modified and Compacted Zeolite-Templated Carbons for Gas Storage | Nicholas Stadie, Montana State University |
| ST216 | HyMARC Seedling: Hydrogen Release from Concentrated Media with Reusable Catalysts | Travis Williams, University of Southern California |
| ST217 | HyMARC Seedling: A Reversible Liquid Hydrogen Carrier System Based on Ammonium Formate and Captured CO ₂ | Hongfei Lin, Washington State University |
| ST218 | HyMARC Seedling: High Capacity Step-Shaped Hydrogen Adsorption in Robust, Pore-Gating Zeolitic Imidazolate Frameworks | Michael McQuirk, Colorado School of Mines |
| ST222 | HyMARC: Characterization of Hydrogen Storage Materials at ORNL's Spallation Neutron Source | Rafael Balderas, ORNL |
| ST224 | HyMARC—LBNL Activities | Jeffrey Long, LBNL |
| ST225 | HyMARC—LBNL/ALS Activities | David Prendergast, LBNL |
| ST233 | HyMARC—SNL Activities | Vitalie Stavila, SNL |
| ST234 | Development of Magnesium Borane Containing Solutions of Furans and Pyroles as Reversible Liquid Hydrogen Carriers | Craig Jensen, University of Hawaii |
| ST235 | Hydrogen Storage Cost and Performance Analysis | Cassidy Houchins, Strategic Analysis, Inc. |
| ST242 | DME as a Renewable Hydrogen Carrier: Innovative Approach to Renewable Hydrogen Production | Troy Semelsberger, LANL |
| ST243 | Fuel Additives for Solid Hydrogen (FLASH) Carriers for Electric Aviation | Steven Christensen, NREL |
| ST244 | Hydrogen Carriers for Renewable Energy Farm Application | Rajesh Ahluwalia, ANL |
| Systems Analysis | | |
| H2059 | Electrolytic Renewable Fuel Production Optimal Operation Investigation | Omar Guerra, NREL |
| SA177 | Analysis of Hydrogen Export Potential | Mark Chung, NREL |
| SA178 | Cradle-to-Grave Transportation Analysis | Amgad Elgowainy, ANL |
| SA180 | Advanced neTwork analysis of hydrogen fuel cell Automated vehicles for goods delivery (ATLAS) -- TCO of Autonomous Fuel Cell Fleet | Tim Lipman, LBNL |

| Safety, Codes & Standards | | |
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| H2056 | Hydrogen Safety Outreach to Expedite H2 Fueling and Energy Project Deployment and Promote Public Acceptance for Zero Emission Vehicles and Reliable Distributed Power Generation | Nick Barilo, PNNL |
| SCS001 | Component Failure R&D | Kevin Hartmann, NREL |
| SCS005 | R&D for Safety, Codes and Standards: Materials and Components Compatibility | Joe Ronevich, SNL |
| SCS007 | Fuel Quality Assurance R&D and Impurity Testing in Support of Codes and Standards | Tommy Rockward, LANL |
| SCS022 | Fuel Cell and Hydrogen Energy Association Codes and Standards Support | Karen Quackenbush, Fuel Cell and Hydrogen Energy Association |
| SCS030 | MC Formula Protocol for H35HF Fueling | Taichi Kuroki, NREL |
| SCS031 | Assessment of Heavy-Duty Fueling Methods and Components | Shaun Onorato, NREL |
| SCS033 | Risk Assessments of Design and Refueling for Hydrogen Locomotive and Tender | Brian Ehrhart, SNL |
| Technology Acceleration | | |
| TA005 | In-line Quality Control of PEM Materials | Andrew Wagner, Mainstream Engineering |
| TA009 | Maritime (Pierside Power) Fuel Cell Generator Project | Lennie Klebanoff, SNL |
| TA013 | Fuel Cell Bus Evaluations | Matthew Post, NREL |
| TA016 | Fuel Cell Hybrid Electric Delivery Van | Erik Brewer, Center for Transportation and the Environment |
| TA017 | Innovative Advanced Hydrogen Mobile Fueler | Spencer Quong, Electricore |
| TA027 | Catalyst Layer Design, Manufacturing, and In-line Quality Control | Radenka Maric, University of Connecticut |
| TA035 | Power Electronics for Electrolyzer Applications to Enable Grid Services | Robert Hovsopian, NREL |
| TA041 | Truck Duty Cycle Analysis | Jason Lustbader, NREL |
| TA042 | Next Generation Hydrogen Station Analysis | Genevieve Saur, NREL |
| TA050 | Overall Research on Electrode Coating Processes (OREO) | Michael Ulsh, NREL |
| TA056 | Ultra-Efficient Long-Haul Hydrogen Fuel Cell Tractor | Derek Rotz, Daimler Trucks North America |
| TA057 | High Efficiency Fuel Cell Application for Medium Duty Truck Vocations | Stan Bower, Ford Motor Company |
| TA058 | Freight Emissions Reduction via Medium Duty Battery Electric and Hydrogen Fuel Cell Trucks with Green Hydrogen Production via a New | Kurt Wellenkotter & Jacob Lozier, GM |
| TA059 | MDV TCO and Target Development | Ram Vijayagopal, ANL |
| TA061 | Optimal Wind Turbine Design for H2 Production | Chris Bay, NREL |
| TA062 | Validation of Interconnection and Interoperability of Grid-Forming Inverters Sourced by Hydrogen Technologies in View of 100% | Kumaraguru Prabakar, NREL |
| TA063 | High Efficacy Validation of Hydride Mega Tanks at the ARIES Lab (HEVHY METAL) | Steven Christensen, NREL |
| TA064 | Hydrogen Production, Grid Integration, and Scaling for the Future | Sam Sprik, NREL |

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| TA066 | In-Line Membrane Thickness Mapping with Real-Time Data Processing | Peter Rupnowski, NREL |
| Intra-Agency Activities | | |
| AMO000 | Advanced Manufacturing Office Overview of Hydrogen-Related Activities | Joe Cresko, DOE Advanced Manufacturing Office |
| AMO001 | Flexible Natural Gas/Hydrogen Engine for Combined Heat and Power (CHP) Applications | Jaswinder Singh, Caterpillar, Inc. |
| AMO002 | Smart Gas Quality Sensor for HyBlends in Support of CHP Demonstration in District Energy Systems | Sreenath Gupta, ANL |
| ARPAE000 | ARPA-E Hydrogen and Fuel Cell Portfolio | Grigorii Soloveichik, DOE Advanced Research Projects Agency - Energy |
| ARPAE003 | A Hybrid Electrochemical and Catalytic Compression System for Direct Generation of High-Pressure Hydrogen at 700 Bar | Chengxiang Xiang, Caltech |
| ARPAE004 | SOFC/Turbine Hybrid Power System | Scott Swartz, Nexceris |
| ARPAE005 | Adaptive SOFC for Ultra High Efficiency Systems | Hossein Ghezal-Ayagh, FuelCell Energy |
| ARPAE006 | Micro-Hybrid Development with Enabling Controls | David Tucker, NETL |
| ARPAE007 | Metal-Supported SOFCs for Ethanol-Fueled Vehicles | Mike Tucker, LBNL |
| ARPAE008 | Hybrid SOFC/Turbogenerator for Aircraft | Chris Cadou, University of Maryland |
| ARPAE009 | Ammonia: Key to Expanding Deployment and Utilization of Green Hydrogen | Colin Wolden, Colorado School of Mines |
| ARPAE010 | Carbon Dioxide-Free Hydrogen and Solid Carbon from Natural Gas via Metal Salt Intermediates | Jonah Erlebacher, Johns Hopkins University |
| ARPAE011 | Channeling Engineering of Hydroxide Ion Exchange Polymers and Reinforced Membranes | Chulsung Bae, Rensselaer Polytechnic Institute |
| ARPAE012 | Bipolar Membranes with an Electrospun 3D Junction | Peter Pintauro, Vanderbilt University |
| ARPAE013 | High-Efficiency and Low-Carbon Energy Storage and Power Generation System for Electric Aviation | Nguyen Minh, University of California, San Diego |
| BES000 | Office of Basic Energy Sciences Overview of Hydrogen-Related Activities | John Vetrano, DOE Office of Science |
| FE000A | Hydrogen with Carbon Management Program - Program Overview | Bob Schrecengost, DOE Office of Fossil Energy and Carbon Management |
| FE000B | Natural Gas Decarbonization and Hydrogen Technologies Program – Program Overview | Evan Frye, DOE Office of Fossil Energy and Carbon Management |
| FE007 | Geographical Assessment of Natural Gas Infrastructure and Pipeline Materials for Blended Gas Transport | Yarom Polsky, ORNL |
| FE008 | Progress on Natural Gas Pyrolysis for Low-Carbon Hydrogen Production | Daniel Haynes, NETL |
| FE009 | Optical Fiber Sensor Technologies For Subsurface Hydrogen Storage Monitoring | Ruishu Wright, NETL |
| NE000 | Office of Nuclear Energy: Overview of Hydrogen-Related Activities | Jason Marcinkoski, DOE Office of Nuclear Energy |
| NE003 | High Temperature Steam Electrolysis Process Performance and Cost Estimates | Dan Wendt, INL |
| NE004 | High Temperature Electrolysis Stack Manufacturing Cost Estimation | Brian James, Strategic Analysis, Inc. |
| SETO000 | Solar Energy Technologies Office Overview of Hydrogen-Related Activities | Avi Shultz, DOE Solar Energy Technologies Office |
| WETO000 | Wind Energy Technologies Office Overview of Hydrogen-Related Activities | Jian Fu, DOE Wind Energy Technologies Office |
| WETO001 | Clusters of Flexible PV-Wind-Storage Hybrid Generation (FlexPower) | Vahan Gevorgian, NREL |

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|---|---|--|
| WPTO000 | Water Power Technologies Office Overview of Hydrogen-Related Activities | William McShane, DOE Water Power Technologies Office |
| HFTO Postdoctoral Recognition Awards | | |
| PRA001 | Formulation Strategies for the Large-Scale Manufacturing of Crack-Free Electrodes | Carlos Baez-Cotto, NREL |
| PRA002 | High-Performing and Durable Electrodes for PEMFCs | ChungHyuk Lee, LANL |
| PRA003 | Protonic Ceramic Electrochemical Cells for Hydrogen Production and Electricity Generation | Wenjuan Bian, INL |
| PRA004 | Characterizing Hydrogen Storage Materials Using Neutron Scattering Techniques | Ryan Klein, NREL |

Alphabetical List of Presenters

| Presenter Last Name | Presenter First Name | Presenter Organization (Short) | Day/Time (EDT) | Unique ID | Session |
|---------------------|----------------------|---|-----------------|-----------|-----------------------------|
| Abruña | Hector | Cornell University | 6/8/22 3:30 PM | BES001 | Intra-Agency Activities |
| Ahluwalia | Rajesh | ANL | | ST001 | |
| Ahluwalia | Rajesh | ANL | | ST244 | |
| Ahluwalia | Rajesh | ANL | 6/8/22 3:30 PM | TA065 | Technology Acceleration |
| Ardo | Shane | University of California, Irvine | | P192 | |
| Arges | Chris | Ionomer Solutions, LLC | | FC359 | |
| Autrey | Tom | PNNL | | ST204 | |
| Ayers | Katherine | Nel Hydrogen | | FC331 | |
| Ayers | Kathy | Nel Hydrogen | | IN018 | |
| Bae | Chulsung | RPI | | FC307 | |
| Bae | Chulsung | Rensselaer Polytechnic Institute | | ARPAE011 | |
| Baez-Cotto | Carlos | NREL | | PRA001 | |
| Baker | Andrew | Nikola Motor Company | 6/8/22 11:30 AM | FC333 | Fuel Cell Technologies |
| Balderas | Rafael | ORNL | | ST222 | |
| Barclay | John | PNNL | | IN004 | |
| Barilo | Nick | PNNL | | H2056 | |
| Barilo | Nick | PNNL | 6/7/22 2:00 PM | SCS019 | Safety, Codes and Standards |
| Barker | Aaron | NREL | 6/7/22 3:30 PM | TA060 | Technology Acceleration |
| Barnett | Scott | Northwestern University | | FC314 | |
| Bay | Chris | NREL | | TA061 | |
| Bian | Wenjuan | INL | | PRA003 | |
| Bloch | Eric | University of Delaware | | ST212 | |
| Boardman | Richard | INL | 6/8/22 2:00 PM | NE002 | Intra-Agency Activities |
| Boardman | Richard | INL | 6/8/22 11:00 AM | P196 | Hydrogen Technologies |
| Boettcher | Shannon | University of Oregon | | P187 | |
| Borup | Rod | M2FCT | 6/7/22 1:30 PM | FC339 | Fuel Cell Technologies |
| Bower | Stan | Ford Motor Company | | TA057 | |
| Bragg-Sitton | Shannon | INL | 6/8/22 1:30 PM | NE001 | Intra-Agency Activities |
| Brewer | Erik | Center for Transportation and the Environment | | TA016 | |
| Brouwer | Jack | University of California, Irvine | 6/8/22 2:00 PM | TA052 | Technology Acceleration |
| Buckley | Bill | R&D Dynamics Corporation | | FC349 | |
| Bunce | Mike | Mahle Powertrain, LLC | | FC351 | |
| Buttner | William | NREL | 6/7/22 1:30 PM | SCS021 | Safety, Codes and Standards |
| Cadou | Chris | University of Maryland | | ARPAE008 | |
| Capuano | Chris | Nel Hydrogen | 6/8/22 1:30 PM | P198 | Hydrogen Technologies |
| Cargnello | Matteo | Stanford University | 6/7/22 4:00 PM | ARPAE001 | Intra-Agency Activities |
| Casteel | Micah | INL | 6/8/22 12:00 PM | TA018 | Technology Acceleration |
| Chadderdon | David | NeoGraf Solutions, LLC | | FC347 | |
| Chalk | Dave | RotoFlow | | IN019 | |
| Chen | Jingguang | Columbia University | 6/8/22 4:00 PM | BES002 | Intra-Agency Activities |
| Chou | Katherine | NREL | | P179 | |
| Christensen | Steven | NREL | | ST243 | |
| Christensen | Steven | NREL | | TA063 | |
| Chung | Mark | NREL | | SA177 | |
| Cook | Bridger | Oregon State University | 6/8/22 4:30 PM | SA182 | Systems Analysis |
| Corrigan | Tom | The Lubrizol Corporation | 6/8/22 12:00 PM | FC335 | Fuel Cell Technologies |
| Cresko | Joe | DOE Advanced Manufacturing Office | | AMO000 | |
| Dahlke | Gregg | 3M | 6/8/22 11:00 AM | FC334 | Fuel Cell Technologies |
| Dai | Sheng | ORNL | | ST148 | |
| De Castro | Emory | Advent Technologies | 6/7/22 4:30 PM | FC354 | Safety, Codes and Standards |
| Dinh | Huyen | NREL | 6/8/22 12:00 PM | P148 | Hydrogen Technologies |
| Dogdibegovic | Emir | Nexceris, LLC | | P188 | |
| Ehrhart | Brian | SNL | 6/7/22 4:00 PM | SCS011 | Safety, Codes and Standards |
| Ehrhart | Brian | SNL | | SCS033 | |
| Elgowainy | Amgad | ANL | | IN025 | |
| Elgowainy | Amgad | ANL | 6/8/22 11:00 AM | SA174 | Systems Analysis |
| Elgowainy | Amgad | ANL | | SA178 | |
| Elgowainy | Amgad | ANL | 6/8/22 2:00 PM | NE002 | Intra-Agency Activities |
| Erlebacher | Jonah | Johns Hopkins University | | ARPAE010 | |
| Farha | Omar | Northwestern University | | ST209 | |
| Findley | Kip | Colorado School of Mines | | IN021 | |
| Frew | Bethany | NREL | 6/8/22 11:30 AM | SA175 | Systems Analysis |
| Frye | Evan | DOE Office of Fossil Energy and Carbon Management | | FE000B | |
| Fu | Jian | DOE Wind Energy Technologies Office | | WETO000 | Intra-Agency Activities |
| Gennett | Tom | NREL | | ST127 | |
| Gennett | Tom | NREL | | ST202 | |
| Gevorgian | Vahan | NREL | | WETO001 | |
| Ghezel-Ayagh | Hossein | FuelCell Energy, Inc. | | FC330 | |
| Ghezel-Ayagh | Hossein | FuelCell Energy, Inc. | 6/8/22 11:30 AM | TA039 | Technology Acceleration |
| Ghezel-Ayagh | Hossein | FuelCell Energy | | ARPAE005 | |
| Ghezel-Ayagh | Hossein | FuelCell Energy | 6/7/22 2:30 PM | FE003 | Intra-Agency Activities |

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|-------------|------------|--|-----------------|----------|-----------------------------|
| Ginley | David | NREL | | P196f | |
| Goodman | Angela | NETL | 6/7/22 1:30 PM | FE001 | Intra-Agency Activities |
| Grimes | Marcus | Luna Innovations Inc. | | IN014 | |
| Guerra | Omar | NREL | | H2059 | |
| Gupta | Sreenath | ANL | | AMO002 | |
| Halliday | Devin | Gas Technology Institute | 6/8/22 5:00 PM | IN016 | Hydrogen Technologies |
| Harrison | Kevin | NREL | | H2057 | |
| Hartmann | Kevin | NREL | | SCS001 | |
| Haynes | Daniel | NETL | | FE008 | |
| Hecht | Ethan | SNL | 6/7/22 3:30 PM | SCS010 | Safety, Codes and Standards |
| Houchins | Cassidy | Strategic Analysis, Inc. | | ST235 | |
| Hovsapian | Robert | NREL | | TA035 | |
| Huang | Kevin | University of South Carolina | | P190 | |
| Huerta | Nicolas | PNNL | 6/7/22 1:30 PM | FE001 | Intra-Agency Activities |
| Hughes | Doug | Eaton Corporation | | FC350 | |
| Hupp | Greg | RotoFlow | | IN019 | |
| James | Brian | Strategic Analysis, Inc. | 6/7/22 3:30 PM | FC353 | Fuel Cell Technologies |
| James | Brian | Strategic Analysis, Inc. | | P204 | |
| James | Brian | Strategic Analysis, Inc. | | NE004 | |
| Jensen | Craig | University of Hawaii | | ST234 | |
| Kim | Yu Seung | LANL | | FC341 | |
| Kim | Moon Jung | University of Southern California | 6/8/22 5:10 PM | SA185 | Systems Analysis |
| Klebanoff | Lennie | SNL | | TA009 | |
| Klein | Ryan | NREL | | PRA004 | |
| Kohl | Paul A. | Georgia Institute of Technology | | P185 | |
| Koti | Archit | Cummins | 6/8/22 5:00 PM | IA001 | Technology Acceleration |
| Kruiswyk | Rich | Caterpillar, Inc. | | FC352 | |
| Kumar | Sharun | University of California, Berkeley | 6/8/22 4:50 PM | SA183 | Systems Analysis |
| Kuroki | Taichi | NREL | | SCS030 | |
| Kyle | Page | PNNL | 6/8/22 12:00 PM | SA181 | Systems Analysis |
| Leachman | Jacob | Washington State University | 6/8/22 4:30 PM | IN015 | Hydrogen Technologies |
| Lee | ChungHyuk | LANL | | PRA002 | |
| Leighton | Daniel | NREL | 6/7/22 1:30 PM | TA048 | Technology Acceleration |
| Lewis | Eric | NETL | 6/8/22 12:30 PM | FE005 | Intra-Agency Activities |
| Li | Xianglin | University of Kansas | | FC317 | |
| Li | Xiaodong | University of Virginia | 6/7/22 2:30 PM | ST236 | Hydrogen Technologies |
| Lin | Hongfei | Washington State University | | ST217 | |
| Lipman | Tim | LBNL | | SA180 | |
| Litster | Shawn | Carnegie Mellon University | 6/8/22 2:30 PM | FC327 | Fuel Cell Technologies |
| Liu | Xingbo | West Virginia University | | P175 | |
| Liu | Hong | Oregon State University | | P184 | |
| Liu | Ying | Phillips 66 | 6/7/22 2:00 PM | FE002 | Intra-Agency Activities |
| Logan | Bruce | Pennsylvania State University | | P202 | |
| Long | Jeffrey | LBNL | | ST224 | |
| Lozier | Jacob | GM | | TA058 | |
| Luo | Jian | University of California, San Diego | | P194 | |
| Lustbader | Jason | NREL | | TA041 | |
| Ma | Shengqian | University of South Florida | | ST210 | |
| Marcinkoski | Jason | DOE Office of Nuclear Energy | | NE000 | |
| Maric | Radenka | University of Connecticut | | TA027 | |
| Marina | Olga | PNNL | | P196e | |
| Marina | Olga | PNNL | 6/8/22 12:30 PM | TA043 | Technology Acceleration |
| Marina | Olga | PNNL | | P170 | |
| Masel | Richard | Alchemr, Inc | 6/7/22 4:30 PM | TA054 | Technology Acceleration |
| McFarland | Eric | C-Zero, LLC | | P182 | |
| McGuirk | Michael | Colorado School of Mines | | ST218 | |
| McShane | William | DOE Water Power Technologies Office | | WPTO000 | |
| Meeks | Noah | Southern Company Services, Inc. | | P203 | |
| Minh | Nguyen | University of California, San Diego | | ARPAE013 | |
| Mohite | Aditya D. | William Marsh Rice University | | P193 | |
| Myers | Deborah | ANL | | P196a | |
| Myers | Deborah | ANL | 6/8/22 4:30 PM | FC160 | Fuel Cell Technologies |
| Myhre | Rich | Frontier Energy Inc. | 6/7/22 2:00 PM | TA037 | Technology Acceleration |
| Naskar | Amit | ORNL | 6/7/22 4:30 PM | ST240 | Hydrogen Technologies |
| Nibur | Kevin | Hy-Performance | | IN029 | |
| Ocampo | Minette | pH Matter, LLC | 6/8/22 4:00 PM | FC167 | Fuel Cell Technologies |
| Omalley | Ronald | Missouri University of Science & Technolog | 6/8/22 2:30 PM | TA053 | Technology Acceleration |
| Onorato | Shaun | NREL | | H2061 | |
| Onorato | Shaun | NREL | | SCS031 | |
| Otgonbaatar | Uuganbayar | Exelon | 6/8/22 11:00 AM | TA028 | Technology Acceleration |
| Owejan | Jon | Plug Power | | FC346 | |
| Pal | Narendra | Hornblower | 6/8/22 4:00 PM | TA045 | Technology Acceleration |
| Park | Andrew | The Chemours Company FC, LLC | | P186 | |
| Paulauskas | Felix | ORNL | 6/7/22 3:30 PM | ST239 | Hydrogen Technologies |

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|--------------|-----------------|---|-----------------|----------|-----------------------------|
| Paxson | Adam | Plug Power | 6/8/22 2:30 PM | P199 | Hydrogen Technologies |
| Pez | Guido | Energy 18H, LLC | | FC360 | |
| Pietras | John | Saint-Gobain | | P176 | |
| Pintauro | Peter | Vanderbilt University | | FC304 | |
| Pintauro | Peter | Vanderbilt University | | ARPAE012 | |
| Pivovar | Bryan | NREL | | FC342 | |
| Pivovar | Bryan | NREL | 6/8/22 11:00 AM | P196 | Hydrogen Technologies |
| Polsky | Yarom | ORNL | | FE007 | |
| Post | Matthew | NREL | | TA013 | |
| Prabakar | Kumaraguru | NREL | | TA062 | |
| Prendergast | David | LBNL | | ST225 | |
| Quackenbush | Karen | Fuel Cell and Hydrogen Energy Association | | SCS022 | |
| Quong | Spencer | Electricore | | TA017 | |
| Quong | Spencer | Electricore | 6/8/22 4:30 PM | TA049 | Technology Acceleration |
| Ramaswamy | Nagappan | GM | 6/8/22 1:30 PM | FC323 | Fuel Cell Technologies |
| Reddoch | Thomas | EPRI | 6/7/22 2:30 PM | SCS028 | Safety, Codes and Standards |
| Roberts | Rory | Tennessee Tech University | 6/7/22 4:30 PM | ARPAE002 | Intra-Agency Activities |
| Rockward | Tommy | LANL | | FC355 | |
| Rockward | Tommy | LANL | | SCS007 | |
| Ronevich | Joe | SNL | | SCS005 | |
| Rotz | Derek | Daimler Trucks North America | | TA056 | |
| Rupnowski | Peter | NREL | 6/8/22 1:30 PM | TA001 | Technology Acceleration |
| Rupnowski | Peter | NREL | | TA066 | |
| Ruth | Mark | NREL | | P196d | |
| San Marchi | Chris | SNL | | H2060 | |
| San Marchi | Chris | SNL | | IN001a | |
| San Marchi | Chris | SNL | 6/8/22 4:00 PM | IN035 | Hydrogen Technologies |
| Saur | Genevieve | NREL | | TA042 | |
| Scheffe | Jonathan | University of Florida | | P195 | |
| Schrecengost | Bob | DOE Office of Fossil Energy and Carbon Management | | FE000A | |
| Semelsberger | Troy | LANL | | ST242 | |
| Shao | Yuyan | PNNL | | FC172 | |
| Shultz | Avi | DOE Solar Energy Technologies Office | | SETO000 | |
| Siegel | Don | University of Michigan | | ST211 | |
| Simmons | Kevin | PNNL | | IN001b | |
| Singh | Prabhakar | University of Connecticut | | P152 | |
| Singh | Jaswinder | Caterpillar, Inc. | | AMO001 | |
| Slack | John | Nikola Motor Company | 6/8/22 2:00 PM | FC326 | Fuel Cell Technologies |
| Snyder | Joshua | Drexel University | | FC309 | |
| Sofronis | Petros | University of Illinois Urbana-Champaign | | IN026 | |
| Soloveichik | Grigorii | DOE Advanced Research Projects Agency - Energy | | ARPAE000 | |
| Space | Brian | University of South Florida | | ST213 | |
| Spruk | Sam | NREL | | H2041 | |
| Spruk | Sam | NREL | | ST008 | |
| Spruk | Sam | NREL | | TA064 | |
| Stadie | Nicholas | Montana State University | | ST214 | |
| Staller | Corey | Celedyne Technologies, Inc. | | FC357 | |
| Stavila | Vitalie | SNL | | ST233 | |
| Steinbach | Andrew | 3M | 6/8/22 2:00 PM | P197 | Hydrogen Technologies |
| St-Pierre | Jean | Cummins Inc. | 6/7/22 4:00 PM | FC337 | Fuel Cell Technologies |
| Striker | Todd | Cummins Inc. | | P201 | |
| Sun | Pingping | NREL | 6/8/22 3:30 PM | IN034 | Hydrogen Technologies |
| Swartz | Scott | Nextech Materials, Ltd. | | P200 | |
| Swartz | Scott | Nexceris | | ARPAE004 | |
| Swider Lyons | Karen | Plug Power | 6/7/22 4:30 PM | FC338 | Fuel Cell Technologies |
| Tasan | C. Cem | Massachusetts Institute of Technology | | IN030 | |
| Thompson | Gregory | The University of Alabama | | IN022 | |
| Topolski | Kevin | NREL | 6/8/22 3:30 PM | IN034 | Hydrogen Technologies |
| Topping | Chris | Tetramer Technologies, LLC | | FC343 | |
| Tucker | David | NETL | | ARPAE006 | |
| Tucker | Mike | LBNL | | ARPAE007 | |
| Ulsh | Michael | NREL | | P196c | |
| Ulsh | Michael | NREL | | TA050 | |
| Urban | Marek | Clemson University | | IN020 | |
| Vargas | Nicolas Alfonso | University of Southern California | 6/8/22 5:10 PM | SA185 | Systems Analysis |
| Vetrano | John | DOE Office of Science | | BES000 | |
| Vijayagopal | Ram | ANL | | TA059 | |
| Wagner | Andrew | Mainstream Engineering | | TA005 | |
| Wang | CH | Treadstone Technologies, Inc. | | FC345 | |
| Wang | Paul | Caterpillar, Inc. | 6/7/22 2:30 PM | TA044 | Technology Acceleration |
| Weber | Adam | LBNL | | P196b | |
| Weber | Adam | M2FCT | 6/7/22 1:30 PM | FC339 | Fuel Cell Technologies |
| Wei | Max | LBNL | | FC332 | |
| Weimer | Alan W. | University of Colorado, Boulder | | P183 | |

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|--------------|------------|---------------------------------------|-----------------|----------|-------------------------|
| Weisenberger | Matthew | University of Kentucky | 6/7/22 2:00 PM | ST238 | Hydrogen Technologies |
| Wellenkotter | Kurt | GM | | TA058 | |
| Wendt | Dan | INL | | NE003 | |
| Westover | Tyler | INL | 6/7/22 3:30 PM | FE004 | Intra-Agency Activities |
| White | Joshua | LLNL | 6/7/22 1:30 PM | FE001 | Intra-Agency Activities |
| Williams | Travis | University of Southern California | | ST216 | |
| Winter | Dylan | Hexagon R&D | 6/7/22 4:00 PM | ST237 | Hydrogen Technologies |
| Wolden | Colin | Colorado School of Mines | | ARPAE009 | |
| Wonnell | Amanda | University of California, Berkeley | 6/8/22 4:50 PM | SA183 | Systems Analysis |
| Wood | Brandon | LLNL | | P196g | |
| Wood | Brandon | LLNL | | ST207 | |
| Wright | Ruishu | NETL | | FE009 | |
| Xiang | Chengxiang | Caltech | | ARPAE003 | |
| Xu | Hui | Giner, Inc. | | FC170 | |
| Xu | Hui | Giner, Inc. | | FC328 | |
| Xu | Siguang | GM | | FC348 | |
| Xu | Hui | Giner, Inc. | 6/8/22 3:30 PM | FC356 | Fuel Cell Technologies |
| Xu | Hui | Giner, Inc. | 6/7/22 4:00 PM | TA051 | Technology Acceleration |
| Yan | Yanfa | The University of Toledo | | P191 | |
| Yang | J.V. | Raytheon Technologies Research Center | | FC344 | |
| Zawodzinski | Tom | University of Tennessee - Knoxville | 6/8/22 12:30 PM | FC336 | Fuel Cell Technologies |
| Zelenay | Piotr | LANL | 6/8/22 4:30 PM | FC160 | Fuel Cell Technologies |
| Zhang | Kun | Shell | 6/7/22 1:30 PM | ST241 | Hydrogen Technologies |
| Zhu | Tianli | Raytheon Technologies Research Center | | P154 | |
| Zulevi | Barr | Pajarito Powder, LLC | | FC358 | |