

2019 Hydrogen and Fuel Cells AMR Program-at-a-Glance

MONDAY APRIL 29 - General Plenary and Poster Session 1 <i>See plenary program details, p.2</i>	
9:00 AM	Registration <i>Independence Foyer</i>
1:00 PM	Welcome Remarks <i>Regency Ballroom</i>
1:20 PM	Industry / R&D Panel Session <i>Regency Ballroom</i>
2:00 PM	DOE Hydrogen and Fuel Cells Program Overview <i>Regency Ballroom</i>
2:45 PM	Break
3:15 PM	Subprogram Overviews <i>Regency Ballroom</i>
5:30 PM	AMR Award Ceremony <i>Regency Ballroom</i>
5:45 PM	Adjourn
6:00 PM	Reviewer Orientation <i>Washington</i>
6:30 - 8:00 PM	Poster Session <i>Independence AB</i>

TUESDAY APRIL 30 - WEDNESDAY MAY 1 - Oral Technical Sessions and Poster Session 2											
	Tuesday, April 30					Wednesday, May 1					
	Hydrogen Fuel R&D	Fuel Cell R&D	Infrastructure and Systems R&D	Interagency Activities	Fossil Energy Solid Oxide Fuel Cell Program	Hydrogen Fuel R&D	Fuel Cell R&D	Infrastructure and Systems R&D	Infrastructure and Systems R&D	Fossil Energy Solid Oxide Fuel Cell Program	
Room	Regency Ballroom F	Regency Ballroom AB	Regency Ballroom E	Washington	Regency Ballroom CD	Regency Ballroom F	Regency Ballroom AB	Regency Ballroom E	Washington	Regency Ballroom CD	Room
7:30 AM	Continental Breakfast					Continental Breakfast					7:30 AM
8:30 AM	P148	FC160	SA171	IA001	FE1	ST001	FC144	P152	IN009	FE16	8:30 AM
9:00 AM	P155		SA172		FE2	ST100	FC140	P153	IN010	FE17	9:00 AM
9:30 AM	P156	FC170	TA021	IA002	FE3	ST127	FC141	P154	SCS011	FE18	9:30 AM
10:00 AM	P157	FC171			FE4	ST132	FC162	TA001	TA023	FE19	10:00 AM
10:30 AM	Break					Break					10:30 AM
11:00 AM	P158	FC172	TA022	IA003	FE5	ST129	FC145	TA005	IN004	FE20	11:00 AM
11:15 AM			IA004	11:15 AM							
11:30 AM	P159	FC173	TA015	IA010	FE6	ST128	FC161	TA007	IN012	FE21	11:30 AM
12:00 PM	P169	TA008	TA018	IA006	FE7	ST130	FC174	TA019	TA017	FE22	12:00 PM
12:30 PM	LUNCH					LUNCH					12:30 PM
1:45 PM	P168	FC135	TA020	IA007	FE8	ST131	FC017	SA169	SCS010	FE23	1:45 PM
2:15 PM	P165		TA014	IA008	FE9	ST144	FC163	TA024	SCS019	FE24	2:15 PM
2:45 PM	P166		SA170	TA009	FE10	ST137	FC146	SA044	SCS021	FE25	2:45 PM
3:15 PM	P167	FC155	IN005	IA005	FE11	ST143	FC147	TA016	SCS007	FE26	3:15 PM
3:45 PM	Break					Break					3:45 PM
4:15 PM	P160	FC156		IA011	FE12	ST146	FC178	TA011	IN001	FE27	4:15 PM
4:30 PM							FC179			FE28	4:30 PM
4:45 PM	P161	FC157	IN007	IA012	FE13	ST147	FC180	TA012	SCS026	FE29	4:45 PM
5:00 PM							FC181			FE30	5:00 PM
5:15 PM	P162	FC158	IN011	IA013	FE14	ST148	FC182	TA013	P143		5:15 PM
5:30 PM							FC183				5:30 PM
5:45 PM	P163	FC143	IN008	IA013	FE15						5:45 PM
6:00 PM											6:00 PM
6:15 PM											6:15 PM
6:30 PM	Poster Session - 6:30 - 8:00 <i>Independence AB</i>										6:30 PM

Monday, April 29 Plenary Schedule -
Hyatt Regency Crystal City Hotel

	Location	Location
10:00 AM	Registration	Independence Foyer
1:00 PM	<p>Welcome Remarks from the U.S. Department of Energy Michael Berube, Acting Deputy Assistant Secretary for Transportation and Daniel R Simmons, Assistant Secretary for Energy Efficiency and Renewable Energy</p>	Regency Ballroom
1:20 PM	<p>Industry / R&D Panel <i>Moderator</i> : Sunita Satyapal, Director, Fuel Cell Technologies Office (FCTO) Alan Finkel, Australia's Chief Scientist Andy Marsh, President and CEO, Plug Power and Chairman, Fuel Cell and Hydrogen Energy Association</p>	
2:00 PM	<p>DOE Hydrogen and Fuel Cells Program Overview Sunita Satyapal, Director, FCTO</p>	
2:45 PM	Break	
3:15 PM	<p>Hydrogen Fuel R&D Overview Ned Stetson, FCTO</p>	Regency Ballroom
4:00 PM	<p>Fuel Cell R&D Overview – EE Fuel Cell R&D Overview - Dimitrios Papageorgopoulos, FCTO FE-SOFC Program Overview - Shailesh Vora, National Energy Technology Laboratory</p>	
4:45 PM	<p>Infrastructure and Systems R&D Overview Fred Joseck, Pete Devlin, Nancy Garland, Michael Hahn, Laura Hill, Brian Hunter, and Neha Rustagi, FCTO</p>	
5:30 PM	AMR Award Ceremony	
5:45 PM	Adjourn	
6:00 PM	Reviewer Orientation	Washington
6:30 PM	Beginning of Poster Sessions	Independence AB

Monday, April 29 Poster Presentations, 6:30-8:00 PM

Fuel Cell R&D		
FC000	Fuel Cell R&D - Subprogram Overview	Program Staff, FCTO
FC105	Novel Structured Metal Bipolar Plates for Low Cost Manufacturing	C.H. Wang, TreadStone Technologies, Inc.
FC117	FY18 SBIR IIB: Ionomer Dispersion Impact on PEM Fuel Cell and Electrolyzer Durability	Hui Xu, Giner, Inc.
FC128	Facilitated Direct Liquid Fuel Cells with High Temperature Membrane Electrode Assemblies	Emory DeCastro, Advent Technologies, Inc.
FC142	Extended Surface Electrocatalyst Development	Bryan Pivovar, NREL
FC167	FY18 SBIR Phase II Release 1: Multi-Functional Catalyst Support	Minette Ocampo, pH Matter, LLC
FC176	FY17 SBIR II Release 1: Novel Hydrocarbon Ionomers for Durable PEMs	William Harrison, Nanosonic, Inc.
FC301	Membrane Working Group	Bryan Pivovar, NREL & Yu Seung Kim, LANL, NREL, LANL
FC302	Developing Platinum Group Metal-Free Catalysts for Oxygen Reduction Reaction in Acid: Beyond the Single Metal Site	Qingying Jia, Northeastern University
FC303	Mesoporous Carbon-Based PGM-Free Catalyst Cathodes	Jian Xie, Indiana University Purdue University
FC304	Fuel Cell Membrane-Electrode-Assemblies with PGM-free Nanofiber Cathodes	Peter Pintauro, Vanderbilt University
FC305	Active and Durable PGM-free Cathodic Electrocatalysts for Fuel Cell Application	Alexey Serov, Pajarito Powder
FC306	High Performance Non-PGM Transition Metal Oxide ORR Catalysts of PEMFCs	Timothy Davenport, United Technologies Research Center
FC307	Cyclic Olefin Copolymer based Alkaline Exchange Polymers and Reinforced Membranes	Chulsung Bae, Rensselaer Polytechnic Institute
FC308	Advanced AEMs with Tunable Water Transport for PGM-Free AEMFCs	Michael Hickner, Pennsylvania State University
FC309	PILBCP-IL Composite Ionomers for High Current Density Performance	Joshua Snyder, Drexel University
FC310	Composite PEMs from Electrospun Crosslinkable Poly(Phenylene Sulfonic Acid)s	Ryszard Wycisk, Vanderbilt University
FC311	Novel non-PFSA Proton Exchange Membrane for Fuel Cell Application	Taoli Gu, Xergy, Inc.
FC312	Molten Hydroxide Dual-Phase Membranes for Intermediate Temperature Anion Exchange Membrane Fuel Cells	Patrick Campbell, LLNL
FC313	Novel Bifunctional Electrocatalysts, Supports and Membranes for High Performing and Durable Unitized Regenerative Fuel Cells	Nem Danilovic, LBNL
FC314	Efficient Reversible Operation and Stability of Novel Solid Oxide Cells	Scott Barnett, Northwestern University
FC315	High-Efficiency Reversible Alkaline Membrane Fuel Cells	Hui Xu, Giner, Inc.
FC316	Durable, High-Performance Unitized Reversible Fuel Cells Based on Proton Conductors	Meilin Liu, Georgia Institute of Technology
FC317	Stationary Direct Methanol Fuel Cells Using Pure Methanol	Xianglin Li, University of Kansas Center for Research, Inc.
FC318	Lab Call FY19: Accessible PGM-free Catalysts and Electrodes: ElectroCat	Jacob Spendelow, LANL
FC319	Lab Call FY19: Low Cost Gas Diffusion Layer Materials and Treatments for Durable High Performance PEM Fuel Cells	Rod Borup, LANL
FC320	Lab Call FY19: Electrode Ionomers for High Temperature Fuel Cells	Michael Hibbs, SNL
FC321	Lab Call FY19: Solid Phase Processing for Reduced Cost and Improved Efficiency of Bipolar Plates	Ken Ross, PNNL
FC322	Lab Call FY19: PEFC Electrode Structures with Encased Catalysts to Eliminate Ionomer Adsorption on Catalytic Sites	Deborah Myers, ANL
Interagency Activities		
IA020	HydroGEN/NSF DMREF: Blueprint for Photocatalytic Water Splitting - Mapping Multidimensional Compositional Space to Simultaneously Optimize Thermodynamics and Kinetics	Jinghua Guo, LBNL
Safety, Codes and Standards		
SCS000	Safety Codes and Standards - Subprogram Overview	Program Staff, FCTO
SCS001	National Codes and Standards Deployment and Outreach	Carl Rivkin, NREL
SCS005	R&D for Safety, Codes and Standards: Materials and Components Compatibility	Chris San Marchi, SNL
SCS022	Fuel Cell and Hydrogen Energy Association Codes and Standards Support	Karen Quackenbush, FCEA, subcontract to ORNL
Infrastructure and Systems R&D -- Technology Acceleration and Systems Analysis		
SA000	Systems Analysis Subprogram Overview	Program Staff, FCTO
TA000	Infrastructure and Systems R&D Subprogram Overview	Program Staff, FCTO
TA004	Continuous Fiber Composite Electrofusion Coupler	Brett Kimball, Automated Dynamics
TA025	Laser 3D Printing of Highly Compacted Protonic Ceramic Electrolyzer Stack	Jainhua Tong, Clemson University
TA026	Low-cost, High Performance Catalyst Coated Membranes for PEM Water Electrolyzers	Andrew Steinbach, 3M
TA027	Layer Design, Manufacturing and In-line Quality Control	Radenka Maric, University of Connecticut

Tuesday, April 30 Oral Presentations

Time	Hydrogen Fuel R&D Regency Ballroom F	Fuel Cell R&D Regency Ballroom AB
7:30 AM	Continental Breakfast	
8:30 AM	P148 HydroGEN Overview: A Consortium on Advanced Water Splitting Materials Huyen Dinh, NREL	FC160 ElectroCat (Electrocatalysis Consortium) Deborah Myers, ANL & Piotr Zelenay, LANL
9:00 AM	P155 High Efficiency PEM Water Electrolysis Enabled by Advanced Catalysts, Membranes and Processes Kathy Ayers, Proton OnSite	
9:30 AM	P156 Developing Novel Platinum Group Metal-Free Catalysts for Alkaline Hydrogen and Oxygen Evolution Reactions Sanjeev Mukerjee, Northeastern University	FC170 ElectroCat: Durable Mn-based PGM-Free Catalysts for Polymer Electrolyte Membrane Fuel Cells Hui Xu, Giner, Inc.
10:00 AM	P157 PGM-free OER Catalysts for PEM Electrolyzer Di-Jia Liu, ANL	FC171 ElectroCat: Advanced PGM-free Cathode Engineering for High Power Density and Durability Shawn Litster, Carnegie Mellon University
10:30 AM	Break	
11:00 AM	P158 High-Performance Ultralow-Cost Non-Precious Metal Catalyst System for AEM Electrolyzer Hoon Chung, LANL	FC172 ElectroCat: Highly Active and Durable PGM-free ORR Electrocatalysts through the Synergy of Active Sites Yuyan Shao, PNNL
11:30 AM	P159 Scalable Elastomeric Membranes for Alkaline Water Electrolysis Yu Seung Kim, LANL	FC173 ElectroCat: PGM-free Engineered Framework Nanostructure Catalysts Prabhu Ganesan, Greenway Energy, LLC
12:00 PM	P169 High Temperature Reactor Catalyst Material Development for Low Cost and Efficient Solar Driven Sulfur-based Processes Claudio Cornale, Greenway Energy	TA008 Material-Process-Performance Relationships in PEM Catalyst Inks and Coated Layers Scott Mauger, NREL
12:30 PM	Lunch	
1:45 PM	P168 Mixed Ionic Electronic Conducting Quaternary Perovskites: Materials by Design for STCH H2 Ellen Stechel, Arizona State University	FC135 FC-PAD: Fuel Cell Performance and Durability Consortium Rod Borup, LANL
2:15 PM	P165 Accelerated Discovery of STCH Hydrogen Production Materials via High-Throughput Computational and Experimental Methods Ryan O'Hayre, Colorado School of Mines	
2:45 PM	P166 Computationally Accelerated Discovery and Experimental Demonstration of High-Performance Materials for Advanced STCH Hydrogen Production Charles Musgrave, University of Colorado - Boulder	
3:15 PM	P167 Transformative Materials for High-Efficiency Thermochemical Production of Solar Fuels Chris Wolverton, Northwestern University	FC155 Novel Ionomers & Electrode Structures for Improved PEMFC Electrode Performance at Low PGM Loadings Andrew Haug, 3M
3:45 PM	Break	
4:15 PM	P160 Best-in-class Platinum Group Metal-free (PGM-free) Catalyst Integrated Tandem Junction PEC Water Splitting Devices Shinjae Hwang, Rutgers University	FC156 Durable High-Power Membrane Electrode Assemblies with Low-Pt-Loading Swami Kumaraguru, General Motors
4:45 PM	P161 Protective Catalyst Systems on III-V and Si-based Semiconductors for Efficient, Durable PEC Water Splitting Devices Thomas Jaramillo, Stanford University	FC157 High Performance PEFC Electrode Structures Mike Perry, UTRC
5:15 PM	P162 Novel Chalcopyrites For Advanced PEC Water Splitting Nicolas Gaillard, University of Hawaii	FC158 Fuel Cell Membrane-Electrode-Assemblies with Ultra-Low Pt Nanofiber Electrodes Peter Pintauro, Vanderbilt University
5:45 PM	P163 Monolithically Integrated Thin-Film/Silicon Tandem Photoelectrodes for High Efficiency and Stable PEC Water Splitting Zetian Mi, University of Michigan	FC143 Highly Active, Durable, and Ultra-low PGM NSTF Thin Film ORR Catalysts and Supports Andrew Steinbach, 3M
6:30 PM-8:00 PM	Poster Session (See Detail)	

Tuesday, April 30 Oral Presentations

Time	Infrastructure and Systems R&D Regency Ballroom E	Interagency Activities Washington	FE-Solid Oxide Fuel Cell Regency Ballroom CD
7:30 AM	Continental Breakfast		
8:30 AM	SA171 H2@Scale Analysis Mark Ruth, NREL	IA001 Interagency Collaboration Panel - Session Moderator: Pete Devlin, DOE-EERE Fuel Cell Technologies Office Dr. Sunita Satyapal , Director, DOE-EERE Fuel Cell Technologies Office Alfred Grein , Executive Director of Research Technology and Integration US Army Combat Capabilities Development Command (CCDC), Ground Vehicle Systems Center Vincent Valdes , Associate Administrator for Research, Demonstration and Innovation, DOT - Federal Transit Administration Maryam Allahyar , Ph.D., Director, Office of Research, Development and Technology, DOT - Federal Railroad Administration	FE1 Progress in SOFC Technology Development at FuelCell Energy Hossein Ghezal-Ayagh, FuelCell Energy
9:00 AM	SA172 Hydrogen Demand Analysis for H2@Scale Amgad Elgowainy, ANL		FE2 Progress of NETL SOFC Research Portfolio Gregory Hackett, National Energy Technology Laboratory
9:30 AM		IA002 State-Funded Hydrogen and Fuel Cell Activities Panel -- Session Moderator: Elizabeth Connelly, DOE-EERE Fuel Cell Technologies Office Andrew Martinez , California Air Resources Board (CARB), Advanced Clean Cars Branch Leslie Goodbody , CARB, Innovative Strategies Branch Joseph Impullitti , South Coast Air Quality Management District Maresh Albuquerque , Colorado Division of Oil & Public Safety Joel Rinebold , Connecticut Center for Advanced Technology, Inc.	FE3 SOFC Development at PNNL: Overview Jeff Stevenson/Brian Koeppel, PNNL
10:00 AM	TA021 Integrated Systems Modeling of the Interactions between Stationary Hydrogen, Vehicle, and Grid Resources Jeff Greenblatt, Emerging Futures, LLC		FE4 Durability and Reliability of Materials and Components for SOFCs Edgar Lara-Curzio, Oak Ridge National Laboratory
10:30 AM	Break		
11:00 AM	TA022 H2@Scale: Experimental Characterization of Durability of Advanced Electrolyzer Concepts in Dynamic Loading Shaun Alia, NREL	IA003 Overview of Hydrogen and Fuel Cells R&D for Navy Undersea Applications Christian Schumacher, Naval Undersea Warfare Center	FE5 Evaluation of Cathode Evolution for SOFC Reliable Performance Brian Ingram, Argonne National Laboratory
11:15 AM		IA004 Fuel Cells for Long Endurance Unmanned Aerial Systems Thomas Howell, Air Force Research Laboratory	
11:30 AM	TA015 Dynamic Modeling and Validation of Electrolyzers in Real Time Grid Simulation Rob Hovsopian, INL	IA010 Heavy-Duty Technology Advancement: Interagency Collaboration for Public Health John Mikulin, Environmental Protection Agency	FE6 Durable, Cost Effective, Energy Efficient Tubular SOFC Praveen Cheekatamarla, Atrex Energy, Inc.
12:00 PM	TA018 High Temperature Electrolysis Test Stand James O'Brien, INL	IA006 Army Ground Vehicle Systems Center Fuel Cell Update Kevin Centeck, U.S. Army CCDC	FE7 Metal-Supported Ceria Electrolyte-Based SOFC Stack for Scalable, Low-Cost, High-Efficiency and Robust Stationary Power Systems Charles Vesely/ Bal Dosanjh, Cummins Power Generation, Inc.
12:30 PM	Lunch		
1:45 PM	TA020 Optimal Stationary Fuel Cell Integration and Control (Energy Dispatch Controller) Genevieve Saur, NREL	IA007 Transit Research & Hydrogen Fuel Cells Sean Ricketson, DOT - Federal Transit Administration	FE8 Advanced SOFC Development at Redox Power Systems Bryan Blackburn/ Sean Bishop, Redox Power Systems, LLC
2:15 PM	TA014 Hydrogen Station Data Collection and Analysis Sam Sprik, NREL	IA008 FRA Hydrogen and Fuel Cell Research Melissa Shurland, DOT - Federal Railroad Administration	FE9 Innovative, Versatile and Cost-Effective Solid Oxide Fuel Cell Stack Concept Nguyen Minh, University of California - San Diego
2:45 PM	SA170 Analysis of Cost Impacts of Integrating Advanced On-Board Storage Systems with Hydrogen Delivery Amgad Elgowainy, ANL	TA009 Maritime Fuel Cell Generator Project Lennie Klebanoff, SNL	FE10 Processing of SOFC Anodes for Enhanced Intermediate Temperature Catalytic Activity at High Fuel Utilization Soumendra N. Basu, Trustees of Boston University
3:15 PM	IN005 Electrochemical Compression Monjid Hamdan, Giner ELX, Inc.	IA005 Aluminum Hydride Title III Project Shailesh Shah, U.S. Army CERDEC	FE11 On-Demand Designing of Internal Surface Architecture of Porous Electrodes for Dramatic Enhancement of SOFC Performance and Durability Xueyan Song, West Virginia University Research Corporation
3:45 PM	Break		
4:15 PM		IA011 NASA Fuel Cell and Hydrogen Activities Ian Jakupca, NASA Glenn Research Center	FE12 Improving Ni-Based SOFC Anode Resilience and Durability Through Secondary Phase Formation Robert A. Walker, Montana State University
4:45 PM	IN007 Metal Hydride Compression Terry Johnson, SNL	IA012 Interagency Collaboration: FAST Act Section 1413 - Alternative Fuels Corridor Designations Michael Scarpino, U.S. Department of Transportation- Volpe Center	FE13 Modification of SOFC Anodes and Cathodes by ALD Raymond J. Gorte, University of Pennsylvania
5:15 PM	IN011 Coatings for Compressor Seals Chris Thompson, GVD	IA013 Regional Hydrogen Infrastructure Panel -- Session Moderator: Nancy Garland, DOE-EERE Fuel Cell Technologies Office Stan Osserman , Hawaii Center for Advanced Transportation Technologies Bill Elrick , California Fuel Cell Partnership Pat Valente , Ohio Fuel Cell Coalition JoAnn Milliken , New Jersey Fuel Cell Coalition Charlie Myers , Massachusetts Hydrogen Coalition	FE14 Development of Getters for the Co-capture of Airborne Trace Contaminants and Carbon Tolerant Anode for Application in SOFC Systems Prabhakar Singh, University of Connecticut
5:45 PM	IN008 Dispenser Reliability Michael Peters, NREL		FE15 A Transformational NG-Fueled Dynamic SOFC for Datacenter in Rack Power Kevin Huang, University of South Carolina
6:00 PM			
6:15 PM			
6:30 PM-8:00 PM	Poster Session (See Detail)		

Tuesday, APRIL 30 Poster Presentations, 6:30-8:00 PM

H2@Scale CRADA Projects		
H2000	H2@Scale Overview	Bryan Pivovar, NREL
H2001	Scalable Electrolytic Systems for Renewable Hydrogen Production	Guido Bender, NREL
H2006	Membrane Electrode Assembly Manufacturing Automation Technology for the Electrochemical Compression of Hydrogen	Michael Ulsh, NREL
H2007	MW-Scale PEM-Based Electrolyzers for RES Applications	Kevin Harrison, NREL
H2011	Risk Analysis and Modeling to Improve Hydrogen Fuel Cell Vehicle Repair Garages	Brian Ehrhart, SNL
H2013	Development, Validation, and Benchmarking of Quantitative Risk Assessment Tools for Hydrogen Refueling Stations	Alice Muna, SNL
H2022	Develop a Tool to Estimate the Benefits of Tube-Trailer Consolidation Scheme for Station Builders	Krishna Reddi, ANL
H2026	Hybrid Electrical/Thermal Hydrogen Production Process Integrated with a Molten Salt Reactor Nuclear Power Plant	Donald Anton, SRNL
H2030	H2 Materials Compatibility of Low Cost, High Pressure, Polymer H2 Dispensing Hoses	Kevin Simmons, PNNL
H2035	Region-Specific Merchant Hydrogen Market Assessment and Techno-Economic Assessment of Electrolytic Hydrogen Generation	Richard Boardman, INL
H2036	Validating an Electrolysis System with High Output Pressure	Joshua Martin, NREL
H2039	Turboexpander: Alternative Fueling Concept for Fuel Cell Electric Vehicle Fast Fill	Matthew Post, NREL
H2041	California Hydrogen Infrastructure Research Consortium	Jennifer Kurtz, NREL
H2045	Methane Pyrolysis for Base-Grown Carbon Nanotubes and CO2-free H2 over Transition Metal Catalysts	Jamie Holladay, PNNL
H2050	Holistic Fuel Cell Electric Vehicle / Hydrogen Station Optimization Model	Michael Peters, NREL
H2052	Merchant Hydrogen at Scale: A Technical-Economic Case Study of the Potential for Nuclear Hydrogen Production	Richard Boardman, INL
H2053	Hydrogen Safety Panel Evaluation of Hydrogen Facilities	Nick Barilo, PNNL
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
Hydrogen Infrastructure R&D and Systems Analysis		
IN003	Hydrogen Compression Application of the Linear Motor Reciprocating Compressor (LMRC)	Eugene Broerman, SwRI
IN013	Dispenser Reliability: Materials R&D	Nalini Menon, SNL
SA173	Energy Storage Analysis	Michael Penev, NREL
Hydrogen Fuel R&D		
H200	Hydrogen Fuel R&D - Subprogram Overview	Program Staff, FCTO
P038	Biomass to Hydrogen (B2H2)	Katherine Chou, NREL
IA019	Catalytic Conversion of Natural Gas to Form Hydrogen and Solid Carbon	Ranjani Siriwardane and Christopher Matranga, National Energy Technology Laboratory
P102	Analysis of Advanced H2 Production Pathways	Brian James, Strategic Analysis, Inc.
P129	Novel Hybrid Microbial Electrochemical System for Efficient Hydrogen Generation from Biomass	Hong Liu, Oregon State University
P148A	HydroGEN: Low-Temperature Electrolysis	Guido Bender, NREL
P148B	HydroGEN: High-Temperature Electrolysis	Richard Boardman, INL
P148C	HydroGEN: Photoelectrochemical Hydrogen Production	Adam Weber, LBNL
P148D	HydroGEN: Solar Thermochemical Hydrogen Production	Anthony McDaniel, SNL
IA021	HydroGEN/NSF DMREF: High temperature defects: Linking solar thermochemical and thermoelectric materials	Stephan Lany, NREL
IA022	HydroGEN/NSF DMREF: Membrane Databases – New Schema and Dissemination	Michael Hickner, Penn State University
IA023	HydroGEN/NSF DMREF: Experimental Validation of Designed Photocatalysts For Solar Water Splitting	Ismaila Dabo, Penn State University
P151	New Approaches to Improved PEM Electrolyzer Ion Exchange Membranes	Earl Wagener, Tetramer Technologies LLC

Tuesday, APRIL 30 Poster Presentations, 6:30-8:00 PM

P170	Benchmarking Advanced Water Splitting Technologies: Best Practices in Materials Characterization	Kathy Ayers, Proton OnSite
P175	Intermediate Temperature Proton-Conducting Solid Oxide Electrolysis Cells with Improved Performance and Delivery	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
P177	Proton-Conducting Ceramic Electrolyzers for High-Temperature Water Splitting	Hossein Ghezel-Ayagh, Fuel Cell Energy
P178	Industrially Scalable Waste CO ₂ Reduction to Useful Chemicals and Fuels	Todd Deutsch, NREL
P179	BioHydrogen (BioH ₂) Consortium to Advance Fermentative H ₂ Production	Pin-Ching Maness, NREL
P180	Viability Study for Bipolar Membrane Electrode Assembly (BPMEA) Water Splitting	Hoon Chung, LANL
P181	Active and Stable Electrocatalyst Supports and Microporous Layers for Anode Applications in PEM Electrolyzers	Nem Danilovic, LBNL
P148E	Low and High -Temperature Electrolysis, Photoelectrochemical and Solar Thermochemical Water Splitting Materials Characterization and Development at Berkeley Lab under the HydroGEN Consortium	Nemanja Danilovic, LBNL
P148F	CuGa ₃ Se ₅ /Zn _{1-x} Mg _x O Photocathodes for Photoelectrochemical Water Splitting	Imran Khan, LBNL
P148G	Linking Low Temperature Electrolysis (LTE)/Hybrid Materials to Electrode Properties to Performance	Guido Bender, NREL
P148H	HydroGEN PEC Supernode—Emergent Degradation Mechanisms with Integration and Scale Up of PEC Devices	James Young, NREL
P148I	Chalcopyrite Alloy Materials for PEC H ₂ Production —Development of Theoretical Synthesis Support System for HydroGEN	Tadashi Ogitsu , LLNL
P148J	Photoelectrochemical and Low Temperature Water Splitting Materials Research at Lawrence Livermore National Laboratory Under HydroGEN Consortium	Tadashi Ogitsu , LLNL
P148K	Design, Synthesis, and Characterization of High Quality STCH Materials	Robert Bell, NREL
P148L	Developing an Atomistic Understanding of the Layered Perovskite Ba ₄ CeMn ₃ O ₁₂ and its Polytypes for Thermochemical Water Splitting – A HydroGEN Supernode	Anthony McDaniel, SNL
P148M	High Temperature Electrolysis Capabilities at PNNL: Materials Development, Cell/Stack Manufacturing, Testing, Characterization & Modeling	Olga Marina, PNNL
P148N	Advancements in High Temperature Proton-Conducting Electrolyzer Materials	Dong Ding, INL
ST008	Hydrogen Storage System Modeling: Public Access, Maintenance, and Enhancements	Matt Thornton, NREL
ST128A	HyMARC Research Efforts on Nanoscale Metal Hydrides at SNL	Vitalie Stavila, SNL
ST129A	Multiscale Modeling of Interface Kinetics within HyMARC	Tae Wook Heo, LLNL
ST135	HyMARC: Technical Activities at NIST	Terry Udovic, NIST
ST138	HyMARC Seedling: Development of Magnesium Boride Etherates as Hydrogen Storage Materials	Godwin Severa, University of Hawaii
ST140	Emergency Hydrogen Refueler for Individual Consumer Fuel Cell Vehicles	Daniel Carr, Skyhaven Systems
ST200	Materials for Cryogenic Hydrogen Storage Technologies	Kevin Simmons, PNNL
ST201	HyMARC: Technical Activities at SLAC	Nick Strange, NREL

Tuesday, APRIL 30 Poster Presentations, 6:30-8:00 PM

Fossil Energy Solid Oxide Fuel Cell Program		
FE050	Electrogenerative Reactors for Process Intensified Cogeneration of Power and Liquid Fuel from Shale Gas	Wenyuan Li, West Virginia University
FE051	Operating Stresses and their Effects on Degradation of LSM-Based SOFC Cathodes	Chenxin Deng, Case Western Reserve University
FE052	Overview of Metal-Supported Solid Oxide Fuel Cells and Electrolyzers: Performance and Durability	Emir Dogdibegovic, LBNL
FE053	Enhancing Oxygen Exchange Activity by Tailoring Perovskite Surfaces	Raymond J. Gorte, University of Pennsylvania
FE054	Recent Sealing Developments for Solid Oxide Fuel Cells	Neil Kidner, Nexceris LLC
FE055	(M, Mn or Fe)3O4 Spinel for Advanced Electrical Conductive Layer for SOFC Stacks	Jung Pyung Choi, Pacific Northwest National Laboratory
FE056	Small-Scale SOFC Test Platform (SSTP)	Brent Kirby, Pacific Northwest National Laboratory
FE057	Composite Cathode Contact Material Development at Pacific Northwest National Laboratory: Validation in Stack Fixture Test and Effect of Strong Fibers	Yeong-Shyung Chou, Pacific Northwest National Laboratory
FE058	Cr Mitigation by LSM-LSCF Composite for Solid Oxide Fuel Cells	Yeong-Shyung Chou, Pacific Northwest National Laboratory
FE059	Effects of Cr Concentrations in Air on LSM/YSZ and LSCF Cathode Degradation	John S. Hardy, Pacific Northwest National Laboratory
FE060	Investigating Sr Vapor Phase Evolution from LSM/YSZ and LSCF Cathodes During and After Sintering	John S. Hardy, Pacific Northwest National Laboratory
FE061	Use of Reduced Order Models (ROMs) to Predict SOFC Stacks Performance	Jie Bao, Pacific Northwest National Laboratory
FE062	Influence of Anode Creep on the Structural Reliability of SOFCs	Brian Koeppel, Pacific Northwest National Laboratory
FE063	Capture of Trace Airborne Impurities and Mitigation of Electrode Poisoning in SOFC's	Junsung Hong, University of Connecticut
FE064	Carbon Resistant High Entropy Alloy Anode for Internal Reforming of Hydrocarbons in SOFC	Boxun Hu, University of Connecticut
FE065	Hydrogen-assisted Corrosion of Stainless Steel in Dual Atmosphere Exposure Conditions	Michael Reisert/Ashish Aphale, University of Connecticut
FE066	Energetics of Carbon Deposition on Metallic Surfaces in Solid Oxide Fuel Cells	Rajesh Kumar/Boxun Hu, University of Connecticut
FE067	Progress in Electrode Engineering of Solid Oxide Fuel Cells at NETL	Shiwoo Lee, National Energy Technology Laboratory
FE068	Quantifying the Nature and Impact of Mesoscale Heterogeneities in SOFC Electrodes	Paul Salvador, Carnegie Mellon University
FE069	Performance Degradation Modeling of Solid Oxide Fuel Cells using a Multiphysics Framework	Harry Abernathy, National Energy Technology Laboratory
FE070	Cation Diffusion in Bulk Tetragonal ZrO2 for SOFCs: Effect of Hydrogen on Cation Transport	Yueh-Lin Lee, National Energy Technology Laboratory
FE071	Reduced-Order Model for Microstructure Evolution Simulation in Solid Oxide Fuel Cell with Dynamic Discrepancy Reduced Modeling	Yinkai Lei, National Energy Technology Laboratory
FE072	High Throughput, In-line Coating Metrology Development for Solid Oxide Fuel Cell (SOFC) Manufacturing	Sean Bishop, Redox Power Systems, LLC
FE073	Red-Ox Robust Ceramic Anode Supported Solid Oxide Fuel Cells	Keji Pan, Redox Power Systems, LLC

Tuesday, APRIL 30 Poster Presentations, 6:30-8:00 PM

Interagency Activities		
IA015	Distributed Low Energy Wastewater Treatment (D-LEWT) for Fuel Generation and Water Reuse	Aaron Petri/Tapan Patel, DOD - ERDC
IA016	Neutron Imaging Study of the Water Transport in Operating Fuel Cells	David Jacobson, NIST
IA017	Fuel Cell Boats in Marine Sanctuaries	Dana Wilkes, NOAA
IA018	Fundamental Science Underpinning Hydrogen and Fuel Cells	John Vetrano, US DOE, Office of Basic Energy Sciences
IA024	DOE Office of Nuclear Energy – Hydrogen and Fuel Cell Activities	Richard Boardman, INL/DOE-NE
IA025	Hydrogen and Fuel Cell Activities in Hawaii	Dave Molinaro, Hawaii Center for Advanced Transportation Technologies
IA026	The Fuel Cell Corridor - Global Center of the Fuel Cell Industry	Pat Valente, Ohio Fuel Cell Coalition
IA027	Hydrogen and Fuel Cell Activities in California	Andrew Martinez, California - Various Agencies
IA028	Hydrogen and Fuel Cell Activities in Colorado	Maresh Albuquerque, Colorado Division of Oil & Public Safety
IA029	Northeast Hydrogen Fuel Cell Activity Review 2019	Charlie Myers, Massachusetts Hydrogen Coalition
IA030	The Connecticut Hydrogen Economy	Joel Rinebold, Connecticut Center for Advanced Technology, Inc.
ARPAE01	Advanced Solid Oxide Fuel Cell Stack for Hybrid Power Systems	Scott Swartz, Nexceris LLC
ARPAE02	Low-Cost Intermediate-Temperature Fuel Flexible Protonic Ceramic Fuel Cell Stack	Chuan Cheng Duan, Colorado School of Mines
ARPAE03	Protonic Ceramics for Energy Storage and Electricity Generation with Ammonia	Chuan Cheng Duan, Colorado School of Mines
ARPAE04	Development Of A Novel High Efficiency, Low Cost Hybrid SOFC/Internal Combustion Engine Power Generator	Robert Braun, Colorado School of Mines
ARPAE05	2D Materials Based Proton Conductive Membranes	Ivan Vlasiouk and Sergei Smirnov, General Graphene and New Mexico State University
ARPAE06	High power metal-supported SOFCs for electric vehicle range extenders	Emir Dogdibegovic, LBNL
ARPAE07	Dual Mode Energy Conversion and Storage Flow Cell	Christopher Capuano, Nel Hydrogen
ARPAE08	Precious Metal Free Regenerative Hydrogen Electrode	Barr Zulevi, Pajarito Powder LLC
ARPAE09	Channeling Engineering of Hydroxide Ion Exchange Polymers and Reinforced Membranes	Chulsung Bae, Rensselaer Polytechnic Institute
ARPAE10	Highly conductive, stable and robust hydroxide exchange membranes based on poly(aryl piperidinium)	Santiago Rojas-Carbonell, University of Delaware
ARPAE11	Direct ammonia fuel cells for transport applications	Reza Abbasi, University of Delaware
ARPAE12	Advanced alkaline membrane H ₂ /Air fuel cell system with novel technique for air CO ₂ removal	Brian Setzler, University of Delaware
ARPAE14	Adaptive SOFC for Ultra High Efficiency Power Systems	Fred C. Jahnke, FuelCell Energy, Inc.
ARPAE15	Cost-effective, Intermediate-temperature Fuel Cells for Carbon-free Power Generation	Greg Tao, Chemtronergy, LLC

Wednesday, May 1 Oral Presentations

Time	Hydrogen Fuel R&D Regency Ballroom F	Fuel Cell R&D Regency Ballroom AB
7:30 AM	Continental Breakfast	
8:30 AM	ST001 System Level Analysis of Hydrogen Storage Options Rajesh Ahluwalia, ANL	FC144 Highly-Accessible Catalysts for Durable High-Power Performance Anusorn Kongkanand, General Motors
9:00 AM	ST100 Hydrogen Storage Cost Analysis Brian James, Strategic Analysis, Inc.	FC140 Tailored High Performance Low-PGM Alloy Cathode Catalysts Vojislav Stamenkovic, ANL
9:30 AM	ST127 HyMARC: A Consortium for Advancing Hydrogen Storage Materials Mark Allendorf & Tom Gennett, SNL; NREL	FC141 Platinum Monolayer Electrocatalysts Jia Wang, BNL
10:00 AM	ST132 HyMARC: PNNL Technical Activities Tom Autrey, PNNL	FC162 Vapor Deposition Process for Engineering of Dispersed PEMFC ORR Pt/NbOx/C Catalysts Jim Waldecker, Ford Motor Co.
10:30 AM	Break	
11:00 AM	ST129 HyMARC: LLNL Technical Activities Brandon Wood, LLNL	FC145 Corrosion-Resistant Non-Carbon Electrocatalyst Supports for PEFCs Vijay Ramani, Washington University
11:30 AM	ST128 HyMARC: SNL Technical Activities Vitalie Stavila, SNL	FC161 Advanced Electro-Catalysts through Crystallographic Enhancement Jacob Spendelow, LANL
12:00 PM	ST130 HyMARC: LBNL Technical Activities David Prendergast & Jeffrey Long, LBNL	FC174 Highly Efficient and Durable Cathode Catalyst with Ultralow Pt Loading through Synergetic Pt/PGM-Free Catalytic Interaction Di-Jia Liu, ANL
12:30 PM	Lunch	
1:45 PM	ST131 HyMARC: NREL Technical Activities Thomas Gennett, NREL	FC017 Fuel Cell System Modeling and Analysis Rajesh Ahluwalia, ANL
2:15 PM	ST144 HyMARC Seedling: Optimized Hydrogen Adsorbents via Machine Learning and Crystal Engineering Don Siegel, University of Michigan	FC163 Fuel Cell Systems Analysis Brian James, Strategic Analysis, Inc.
2:45 PM	ST137 HyMARC Seedling: Electrolyte Assisted Hydrogen Storage Reactions Dan Addison, Liox Power	FC146 Advanced Materials for Fully-Integrated MEAs in AEMFCs Yu Seung Kim, LANL
3:15 PM	ST143 HyMARC Seedling: ALD (Atomic Layer Deposition) Synthesis of Novel Nanostructured Metal Borohydrides Steven Christensen, NREL	FC147 Advanced Ionomers & MEAs for Alkaline Membrane Fuel Cells Bryan Pivovar, NREL
3:45 PM	Break	
4:15 PM	ST146 Precursor Processing Development for Low Cost, High Strength Carbon Fiber for Composite Overwrapped Pressure Vessel Applications Matthew Weisenberger, University of Kentucky	FC178 Lab Call FY18 (Membrane): Spirocyclic Anion Exchange Membranes for Improved Performance and Durability Bryan Pivovar, NREL
4:30 PM		FC179 Lab Call FY18 (Membrane): Stable Alkaline Membrane Based on Proazaphosphatranes Organic Super Base Gao Liu, LBNL
4:45 PM	ST147 Developing a New Polyolefin Precursor for Low-Cost, High-Strength Carbon Fiber Mike Chung, Penn State University	FC180 Lab Call FY18 (Membrane): High Performing and Durable Pyrophosphate Based Composite Membranes for Intermediate Temperature Fuel Cells Cortney Kreller, LANL
5:00 PM		FC181 Lab Call FY18 (Reversible FC): Microstructured Electrodes and Diffusion Layers for Enhanced Transport in Reversible Fuel Cells Jacob Spendelow, LANL
5:15 PM	ST148 Novel Plasticized Melt Spinning Process of PAN Fibers Based on Task- Specific Ionic Liquids Sheng Dai, ORNL	FC182 Lab Call FY18 (Reversible FC): Bipolar Membrane Development to Enable Regenerative Fuel Cells Todd Deutsch, NREL
5:30 PM		FC183 Lab Call FY18 (Reversible FC): Technology-Enabling Materials, Cell Design for Reversible PEMFCs Nem Danilovic, LBNL
5:45 PM	END of SESSIONS	

Wednesday, May 1 Oral Presentations			
Time	Infrastructure and Systems R&D Regency Ballroom E	Infrastructure and Systems R&D Washington	FE-Solid Oxide Fuel Cell Program Regency Ballroom CD
7:30 AM	Continental Breakfast		
8:30 AM	P152 Proton-Conducting Solid Oxide Electrolysis Cells for Large-scale Hydrogen Production at Intermediate Temperatures Prabhakar Singh, University of Connecticut	IN009 Advancing Hydrogen Dispenser Technology by Using Innovative Intelligent Networks Bryan Gordon, Ivys Inc.	FE16 Development of High Temperature Anode Gas Recycle Blowers for SOFCs Jose Luis Cordova, Mohawk Innovative Technology
9:00 AM	P153 Degradation Characterization and Modeling of a New Solid Oxide Electrolysis Cell Utilizing Accelerated Life Testing Scott Barnett, Northwestern University	IN010 Hydrogen Dispensing Hose Jennifer Lalli, NanoSonic	FE17 New Silver-Based Alloys for SOFC Brazing and Circuit Patterning Jason Nicholas, Michigan State University
9:30 AM	P154 Thin-Film, Metal-Supported High-Performance and Durable Proton-Solid Oxide Electrolyzer Cell Tianli Zhu, United Technologies Research Center	SCS011 Hydrogen Quantitative Risk Assessment Alice Muna, SNL	FE18 Mitigation of Chromia-poisoning in Solid Oxide Fuel Cell Cathodes Fanglin (Frank) Chen, University of South Carolina
10:00 AM	TA001 MEA Manufacturing R&D Michael Ulsh, NREL	TA023 Hydrogen Stations for Urban Sites Brian Ehrhart, NREL/SNL	FE19 Development of Accelerated Test Protocols and High-Efficiency Cathodes for SOFCs Xiao-Dong Zhou, University of Louisiana at Lafayette
10:30 AM	Break		
11:00 AM	TA005 In-line Quality Control of PEM Materials Andrew Wagner, Mainstream Engineering Corporation	IN004 Magnetocaloric Hydrogen Liquefaction Jamie Holladay, PNNL	FE20 Cathode Cleaning for Chromium Poisoning Recovery Uday Pal, Trustees of Boston University
11:30 AM	TA007 Roll-to-Roll Advanced Materials Manufacturing Lab Consortium Claus Daniel, ORNL	IN012 Low-cost Magnetocaloric Materials Discovery Robin Ihnfeldt, GE&R	FE21 Highly-Active and Durable Cathodes for Solid Oxide Fuel Cells Meilin Liu, Georgia Tech Research Corporation
12:00 PM	TA019 Modular SOEC System for Efficient H2 Production at High Current Density Hossein Ghezal-Ayagh, FuelCell Energy	TA017 Innovative Advanced Hydrogen Mobile Fueler Spencer Quong, Electricore	FE22 Operating Stresses and Their Effects on Degradation of LSM-Based SOFC Cathodes Mark DeGuire, Case Western Reserve University
12:30 PM	Lunch		
1:45 PM	SA169 Market Segmentation Analysis of Medium and Heavy Duty Trucks with a Fuel Cell Emphasis Chad Hunter, NREL	SCS010 R&D for Safety, Codes and Standards: Hydrogen Behavior Ethan Hecht, SNL	FE23 Synthesis of Novel Cathode Hetero-Structures for Solid Oxide Fuel Cells Srikanth Gopalan, Trustees of Boston University
2:15 PM	TA024 Analysis of Fuel Cells for Trucks Ram Vijayagopal, ANL	SCS019 Hydrogen Safety Panel, Safety Knowledge Tools and First Responder Training Resources Nick Barilo, PNNL	FE24 Development & Validation of Low-Cost, Highly-Durable, Spinel-Based Contact Materials For SOFC Cathode-Side Contact Application Jiahong Zhu, Tennessee Technological University
2:45 PM	SA044 Cost Benefit Analysis of Technology Improvements in Medium and Heavy Duty Fuel Cell Vehicles Aymeric Rousseau, ANL	SCS021 NREL Hydrogen Sensor Testing Laboratory William Buttner, NREL	FE25 Minimizing Cr-Evaporation from Balance of Plant Components by Utilizing Cost-Effective Alumina-Forming Austenitic Steels Xingbo Liu, West Virginia University Research Corporation
3:15 PM	TA016 Fuel Cell Hybrid Electric Delivery Van Jason Hanlin, Center for Transportation and the Environment	SCS007 Fuel Quality Assurance R&D and Impurity Testing in Support of Codes & Standards Tommy Rockward, LANL	FE26 Probing Temperature Profiles in Solid Oxide Fuel Cell During its operation with 5-mm spatial resolution and its implication for Optimization Kevin Chen, University of Pittsburgh
3:45 PM	Break		
4:15 PM	TA011 FedEx Express Hydrogen Fuel Cell Extended-Range Battery Electric Vehicles Phillip Galbach, FedEx Express	IN001 H-Mat Overview: Metals Chris San Marchi, SNL	FE27 Multi-Gas Sensors for Enhanced Reliability of SOFC Operation Radislav Potyrailo, General Electric (GE) Company
4:30 PM			FE28 Tuning Surface Stoichiometry of SOFC Electrodes at the Molecular and Nano-scale for Enhanced Performance and Durability Eric Wachsmann, University of Maryland
4:45 PM	TA012 Northeast Demonstration and Deployment of FCRx200 Abas Goodarzi, US Hybrid	SCS026 H-Mat Overview: Polymers Kevin Simmons, PNNL	FE29 Influence of surface chemistry of fluorite-type cathode materials on oxygen reduction reaction Clement Nicollet, Massachusetts Institute of Technology
5:00 PM			FE30 Computationally Guided Design of MULTIPLE Impurities Tolerant Electrode Yu Zhong, Worcester Polytechnic Institute
5:15 PM	TA013 Fuel Cell Bus Evaluations	P143 High Temperature Alkaline Water Electrolysis	
5:30 PM	Leslie Eudy, NREL	Hui Xu, Giner, Inc.	
5:45 PM	END of SESSIONS		

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Presenter Last	Presenter First	Presenter Organization	Day/Time	Project ID	Session	Room
Abbasi	Reza	University of Delaware	4/30 6:30 PM	ARPAE11	Poster	Independence AB
Abernathy	Harry	National Energy Technology Laboratory	4/30 6:30 PM	FE069	Poster	Independence AB
Addison	Dan	Liox Power	5/1 2:45 PM	ST137	Hydrogen Fuel R&D	Regency Ballroom F
Ahluwalia	Rajesh	ANL	5/1 8:30 AM	ST001	Hydrogen Fuel R&D	Regency Ballroom F
Ahluwalia	Rajesh	ANL	5/1 1:45 PM	FC017	Fuel Cell R&D	Regency Ballroom AB
Albuquerque	Mahesh	Colorado Division of Oil & Public Safety	4/30 9:30 AM	IA002	Interagency Activities	Washington
Albuquerque	Mahesh	Colorado Division of Oil & Public Safety	4/30 6:30 PM	IA028	Poster	Independence AB
Alia	Shaun	NREL	4/30 11:00 AM	TA022	Technology Acceleration and Hydrogen Infrastructure R&D	Regency Ballroom E
Allahyar	Maryam	DOT - Federal Railroad Administration	4/30 8:30 AM	IA001	Interagency Activities	Washington
Allendorf	Mark	SNL	5/1 9:30 AM	ST127	Hydrogen Fuel R&D	Regency Ballroom F
Anton	Donald	SRNL	4/30 6:30 PM	H2026	Poster	Independence AB
Aphale	Ashish	University of Connecticut	4/30 6:30 PM	FE065	Poster	Independence AB
Autrey	Tom	PNNL	5/1 10:00 AM	ST132	Hydrogen Fuel R&D	Regency Ballroom F
Ayers	Kathy	Proton OnSite	4/30 9:00 AM	P155	Hydrogen Fuel R&D	Regency Ballroom F
Ayers	Kathy	Proton OnSite	4/30 6:30 PM	P170	Poster	Independence AB
Bae	Chulsung	Rensselaer Polytechnic Institute	4/30 6:30 PM	ARPAE09	Poster	Independence AB
Bae	Chulsung	Rensselaer Polytechnic Institute	4/29 6:30 PM	FC307	Poster	Independence AB
Bao	Jie	PNNL	4/30 6:30 PM	FE061	Poster	Independence AB
Barilo	Nick	PNNL	4/30 6:30 PM	H2053	Poster	Independence AB
Barilo	Nick	PNNL	4/30 6:30 PM	H2056	Poster	Independence AB
Barilo	Nick	PNNL	5/1 2:15 PM	SCS019	Technology Acceleration and Hydrogen Infrastructure R&D	Washington
Barnett	Scott	Northwestern University	4/29 6:30 PM	FC314	Poster	Independence AB
Barnett	Scott	Northwestern University	5/1 9:00 AM	P153	Technology Acceleration and Hydrogen Infrastructure R&D 2	Regency Ballroom E
Basu	Soumendra N.	Trustees of Boston University	4/30 2:45 PM	FE10	FE-SOFC	Regency Ballroom CD
Bender	Guido	NREL	4/30 6:30 PM	H2001	Poster	Independence AB
Bender	Guido	NREL	4/30 6:30 PM	P148A	Poster	Independence AB
Bender	Guido	NREL	4/30 6:30 PM	P148G	Poster	Independence AB
Bishop	Sean	Redox Power Systems, LLC	4/30 1:45 PM	FE8	FE-SOFC	Regency Ballroom CD
Blackburn	Bryan	Redox Power Systems, LLC	4/30 1:45 PM	FE8	FE-SOFC	Regency Ballroom CD
Boardman	Richard	INL	4/30 6:30 PM	H2035	Poster	Independence AB
Boardman	Richard	INL	4/30 6:30 PM	H2052	Poster	Independence AB
Boardman	Richard	INL/DOE-NE	4/30 6:30 PM	IA024	Poster	Independence AB
Boardman	Richard	INL	4/30 6:30 PM	P148B	Poster	Independence AB
Borup	Rod	LANL	4/29 6:30 PM	FC319	Poster	Independence AB
Borup	Rod	LANL	4/30 1:45 PM	FC135	Fuel Cell R&D	Regency Ballroom AB
Braun	Robert	Colorado School of Mines	4/30 6:30 PM	ARPAE04	Poster	Independence AB
Broerman	Eugene	SwRI	4/30 6:30 PM	IN003	Poster	Independence AB
Buttner	William	NREL	5/1 2:45 PM	SCS021	Technology Acceleration and Hydrogen Infrastructure R&D	Washington
Campbell	Patrick	LLNL	4/29 6:30 PM	FC312	Poster	Independence AB
Capuano	Christopher	Nel Hydrogen	4/30 6:30 PM	ARPAE07	Poster	Independence AB
Carr	Daniel	Skyhaven Systems	4/30 6:30 PM	ST140	Poster	Independence AB
Centeck	Kevin	U.S. Army CCDC, Ground Vehicle Systems Center	4/30 12:00 PM	IA006	Interagency Activities	Washington
Cheekatamarla	Praveen	Atrex Energy, Inc.	4/30 11:30 AM	FE6	FE-SOFC	Regency Ballroom CD
Chen	Fanglin (Frank)	University of South Carolina	5/1 9:30 AM	FE18	FE-SOFC	Regency Ballroom CD

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Chen	Peng	University of Pittsburgh	5/1 3:15 PM	FE26	FE-SOFC	Regency Ballroom CD
Christensen	Steven	NREL	5/1 3:15 PM	ST143	Hydrogen Fuel R&D	Regency Ballroom F
Choi	Jung Pyung	PNNL	4/30 6:30 PM	FE055	Poster	Independence AB
Chou	Katherine	NREL	4/30 6:30 PM	P038	Poster	Independence AB
Chou	Yeong-Shyung	PNNL	4/30 6:30 PM	FE057	Poster	Independence AB
Chou	Yeong-Shyung	PNNL	4/30 6:30 PM	FE058	Poster	Independence AB
Chung	Hoon	LANL	4/30 11:00 AM	P158	Hydrogen Fuel R&D	Regency Ballroom F
Chung	Hoon	LANL	4/30 6:30 PM	P180	Poster	Independence AB
Chung	Mike	Penn State University	5/1 4:45 PM	ST147	Hydrogen Fuel R&D	Regency Ballroom F
Connelly	Elizabeth	DOE-EERE Fuel Cell Technologies Office	4/30 9:30 AM	IA002	Interagency Activities	Washington
Cordova	Jose Luis	Mohawk Innovative Technology, Inc.	5/1 8:30 AM	FE16	FE-SOFC	Regency Ballroom CD
Corgnale	Claudio	Greenway Energy	4/30 12:00 PM	P169	Hydrogen Fuel R&D	Regency Ballroom F
Dabo	Ismaila	Penn State University	4/30 6:30 PM	IA023	Poster	Independence AB
Dai	Sheng	ORNL	5/1 5:15 PM	ST148	Hydrogen Fuel R&D	Regency Ballroom F
Daniel	Claus	ORNL	5/1 11:30 AM	TA007	Technology Acceleration and Hydrogen Infrastructure R&D	Regency Ballroom E 2
Danilovic	Nemanja	LBNL	4/29 6:30 PM	FC313	Poster	Independence AB
Danilovic	Nemanja	LBNL	4/30 6:30 PM	P181	Poster	Independence AB
Danilovic	Nemanja	LBNL	4/30 6:30 PM	P148E	Poster	Independence AB
Danilovic	Nemanja	LBNL	5/1 5:30 PM	FC183	Fuel Cell R&D	Regency Ballroom AB
Davenport	Timothy	United Technologies Research Center	4/29 6:30 PM	FC306	Poster	Independence AB
DeCastro	Emory	Advent Technologies, Inc.	4/29 6:30 PM	FC128	Poster	Independence AB
DeGuire	Mark	Case Western Reserve University	5/1 12:00 PM	FE22	FE-SOFC	Regency Ballroom CD
Deng	Chenxin	Case Western Reserve University	4/30 6:30 PM	FE051	Poster	Independence AB
Deutsch	Todd	NREL	4/30 6:30 PM	P178	Poster	Independence AB
Deutsch	Todd	NREL	5/1 5:15 PM	FC182	Fuel Cell R&D	Regency Ballroom AB
Devlin	Pete	DOE-EERE Fuel Cell Technologies Office	4/30 8:30 AM	IA001	Interagency Activities	Washington
Dinh	Huyen	NREL	4/30 8:30 AM	P148	Hydrogen Fuel R&D	Regency Ballroom F
Dogdibegovic	Emir	LBNL	4/30 6:30 PM	ARPAE06	Poster	Independence AB
Dogdibegovic	Emir	LBNL	4/30 6:30 PM	FE052	Poster	Independence AB
Dosanjh	Bal	Cummins Power Generation, Inc.	4/30 12:00 PM	FE7	FE-SOFC	Regency Ballroom CD
Duan	Chuancheng	Colorado School of Mines	4/30 6:30 PM	ARPAE02	Poster	Independence AB
Duan	Chuancheng	Colorado School of Mines	4/30 6:30 PM	ARPAE03	Poster	Independence AB
Duan	Chuancheng	Colorado School of Mines	4/30 6:30 PM	ARPAE13	Poster	Independence AB
Elrick	Bill	California Fuel Cell Partnership	4/30 5:15 PM	IA013	Interagency Activities	Washington
Ehrhart	Brian	NREL/SNL	4/30 6:30 PM	H2011	Poster	Independence AB
Ehrhart	Brian	NREL/SNL	5/1 10:00 AM	TA023	Technology Acceleration and Hydrogen Infrastructure R&D	Washington
Elgowainy	Amgad	ANL	4/30 9:00 AM	SA172	Technology Acceleration and Hydrogen Infrastructure R&D	Regency Ballroom E
Elgowainy	Amgad	ANL	4/30 2:45 PM	SA170	Technology Acceleration and Hydrogen Infrastructure R&D	Regency Ballroom E
Eudy	Leslie	NREL	5/1 5:15 PM	TA013	Technology Acceleration and Hydrogen Infrastructure R&D	Regency Ballroom E 2
Gaillard	Nicolas	University of Hawaii	4/30 5:15 PM	P162	Hydrogen Fuel R&D	Regency Ballroom F

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Galbach	Phillip	FedEx Express	5/1 4:15 PM	TA011	Technology Acceleration and Hydrogen Infrastructure R&D	Regency Ballroom E 2
Ganesan	Prabhu	Greenway Energy, LLC	4/30 11:30 AM	FC173	Fuel Cell R&D	Regency Ballroom AB
Garland	Nancy	DOE-EERE Fuel Cell Technologies Office	4/30 5:15 PM	IA013	Interagency Activities	Washington
Gennett	Thomas	NREL	5/1 9:00 AM	ST127	Hydrogen Fuel R&D	Regency Ballroom F
Gennett	Thomas	NREL	5/1 1:45 PM	ST131	Hydrogen Fuel R&D	Regency Ballroom F
Ghezel-Ayagh	Hossein	FuelCell Energy	4/30 8:30 AM	FE1	FE-SOFC	Regency Ballroom CD
Ghezel-Ayagh	Hossein	Fuel Cell Energy	4/30 6:30 PM	P177	Poster	Independence AB
Ghezel-Ayagh	Hossein	FuelCell Energy	5/1 12:00 PM	TA019	Technology Acceleration and Hydrogen Infrastructure R&D	Regency Ballroom E 2
Goodarzi	Abas	US Hybrid	5/1 4:45 PM	TA012	Technology Acceleration and Hydrogen Infrastructure R&D	Regency Ballroom E 2
Goodbody	Leslie	California Air Resources Board	4/30 9:30 AM	IA002	Interagency Activities	Washington
Gopalan	Srikanth	Trustees of Boston University	5/1 1:45 PM	FE23	FE-SOFC	Regency Ballroom CD
Gordon	Bryan	Ivys Inc.	5/1 8:30 AM	IN009	Technology Acceleration and Hydrogen Infrastructure R&D	Washington
Gorte	Raymond J.	University of Pennsylvania	4/30 6:30 PM	FE053	Poster	Independence AB
Gorte	Raymond J.	University of Pennsylvania	4/30 4:45 PM	FE13	FE-SOFC	Regency Ballroom CD
Greenblatt	Jeff	Emerging Futures, LLC	4/30 10:00 AM	TA021	Technology Acceleration and Hydrogen Infrastructure R&D	Regency Ballroom E
Grein	Alfred	U.S. Army Combat Capabilities Development Command (CCDC), Ground Vehicle Systems Center	4/30 8:30 AM	IA001	Interagency Activities	Washington
Gu	Taoli	Xergy, Inc.	4/29 6:30 PM	FC311	Poster	Independence AB
Guo	Jinghua	LBNL	4/29 6:30 PM	IA020	Poster	Independence AB
Hackett	Gregory	National Energy Technology Laboratory	4/30 9:00 AM	FE2	FE-SOFC	Regency Ballroom CD
Hamdan	Monjid	Giner ELX, Inc.	4/30 3:15 PM	IN005	Technology Acceleration and Hydrogen Infrastructure R&D	Regency Ballroom E
Hanlin	Jason	Center for Transportation and the Environment	5/1 3:15 PM	TA016	Technology Acceleration and Hydrogen Infrastructure R&D	Regency Ballroom E 2
Hardy	John S.	PNNL	4/30 6:30 PM	FE059	Poster	Independence AB
Hardy	John S.	PNNL	4/30 6:30 PM	FE060	Poster	Independence AB
Harrison	Kevin	NREL	4/30 6:30 PM	H2007	Poster	Independence AB
Harrison	William	Nanosonic, Inc.	4/29 6:30 PM	FC176	Poster	Independence AB
Haug	Andrew	3M	4/30 3:15 PM	FC155	Fuel Cell R&D	Regency Ballroom AB
Hecht	Ethan	SNL	5/1 1:45 PM	SCS010	Technology Acceleration and Hydrogen Infrastructure R&D	Washington
Heo	Tae Wook	LLNL	4/30 6:30 PM	ST129A	Poster	Independence AB
Hibbs	Michael	SNL	4/29 6:30 PM	FC320	Poster	Independence AB
Hickner	Michael	Pennsylvania State University	4/29 6:30 PM	FC308	Poster	Independence AB
Hickner	Michael	Pennsylvania State University	4/30 6:30 PM	IA022	Poster	Independence AB
Holladay	Jamie	PNNL	4/30 6:30 PM	H2045	Poster	Independence AB
Holladay	Jamie	PNNL	5/1 11:00 AM	IN004	Technology Acceleration and Hydrogen Infrastructure R&D	Washington
Hong	Junsung	University of Connecticut	4/30 6:30 PM	FE063	Poster	Independence AB

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Presenter Last	Presenter First	Presenter Organization	Day/Time	Project ID	Session	Room
Hovsopian	Rob	INL	4/30 11:30 AM	TA015	Technology Acceleration and Hydrogen Infrastructure R&D	Regency Ballroom E
Howell	Thomas	Air Force Research Laboratory	4/30 11:15 AM	IA004	Interagency Activities	Washington
Hu	Boxun	University of Connecticut	4/30 6:30 PM	FE064	Poster	Independence AB
Hu	Boxun	University of Connecticut	4/30 6:30 PM	FE066	Poster	Independence AB
Huang	Kevin	University of South Carolina	4/30 5:45 PM	FE15	FE-SOFC	Regency Ballroom CD
Hunter	Chad	NREL	5/1 1:45 PM	SA169	Technology Acceleration and Hydrogen Infrastructure R&D 2	Regency Ballroom E
Hwang	Shinjae	Rutgers University	4/30 4:15 PM	P160	Hydrogen Fuel R&D	Regency Ballroom F
Ihnfeldt	Robin	GE&R	5/1 11:30 AM	IN012	Technology Acceleration and Hydrogen Infrastructure R&D	Washington
Impullitti	Joseph	South Coast Air Quality Management District	4/30 9:30 AM	IA002	Interagency Activities	Washington
Ingram	Brian	Argonne National Laboratory	4/30 11:00 AM	FE5	FE-SOFC	Regency Ballroom CD
Jacobson	David	NIST	4/30 6:30 PM	IA016	Poster	Independence AB
Jahnke	Frank C.	FuelCell Energy, Inc.	4/30 6:30 PM	ARPAE14	Poster	Independence AB
Jakupca	Ian	NASA Glenn Research Center	4/30 4:15 PM	IA011	Interagency Activities	Washington
James	Brian	Strategic Analysis, Inc.	4/30 6:30 PM	P102	Poster	Independence AB
James	Brian	Strategic Analysis, Inc.	5/1 9:00 AM	ST100	Hydrogen Fuel R&D	Regency Ballroom F
James	Brian	Strategic Analysis, Inc.	5/1 2:15 PM	FC163	Fuel Cell R&D	Regency Ballroom AB
Jaramillo	Thomas	Stanford University	4/30 4:45 PM	P161	Hydrogen Fuel R&D	Regency Ballroom F
Jia	Qingying	Northeastern University	4/29 6:30 PM	FC302	Poster	Independence AB
Johnson	Terry	SNL	4/30 4:45 PM	IN007	Technology Acceleration and Hydrogen Infrastructure R&D	Regency Ballroom E
Khan	Imran		4/30 6:30 PM	P148F	Poster	Independence AB
Kidner	Neil	Nexceris LLC	4/30 6:30 PM	FE054	Poster	Independence AB
Kim	Yu Seung	LANL	4/29 6:30 PM	FC301	Poster	Independence AB
Kim	Yu Seung	LANL	4/30 11:30 AM	P159	Hydrogen Fuel R&D	Regency Ballroom F
Kim	Yu Seung	LANL	5/1 2:45 PM	FC146	Fuel Cell R&D	Regency Ballroom AB
Kimball	Brett	Automated Dynamics	4/29 6:30 PM	TA004	Poster	Independence AB
Kirby	Brent	PNNL	4/30 6:30 PM	FE056	Poster	Independence AB
Klebanoff	Lennie	Sandia National Laboratories and DOT-MARAD	4/30 2:45 PM	TA009	Interagency Activities	Washington
Koeppel	Brian J.	PNNL	4/30 9:30 AM	FE3	FE-SOFC	Regency Ballroom CD
Koeppel	Brian J.	PNNL	4/30 6:30 PM	FE062	Poster	Independence AB
Kongkanand	Anusorn	General Motors	5/1 8:30 AM	FC144	Fuel Cell R&D	Regency Ballroom AB
Kreller	Cortney	LANL	5/1 4:45 PM	FC180	Fuel Cell R&D	Regency Ballroom AB
Kumar	Rajesh	University of Connecticut	4/30 6:30 PM	FE066	Poster	Independence AB
Kumaraguru	Swami	General Motors	4/30 4:15 PM	FC156	Fuel Cell R&D	Regency Ballroom AB
Kurtz	Jennifer	NREL	4/30 6:30 PM	H2041	Poster	Independence AB
Lalli	Jennifer	NanoSonic	5/1 9:00 AM	IN010	Technology Acceleration and Hydrogen Infrastructure R&D	Washington
Lany	Stephan	NREL	4/30 6:30 PM	IA020	Poster	Independence AB
Lara-Curzio	Edgar	Oak Ridge National Laboratory	4/30 10:00 AM	FE4	FE-SOFC	Regency Ballroom CD
Lee	Shiwoo	National Energy Technology Laboratory	4/30 6:30 PM	FE067	Poster	Independence AB
Lee	Yueh-Lin	National Energy Technology Laboratory	4/30 6:30 PM	FE070	Poster	Independence AB
Lei	Yinkai	National Energy Technology Laboratory	4/30 6:30 PM	FE071	Poster	Independence AB
Li	Xianglin	University of Kansas Center for Research, Inc.	4/29 6:30 PM	FC317	Poster	Independence AB
Li	Wenyuan	West Virginia University	4/30 6:30 PM	FE050	Poster	Independence AB

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Litster	Shawn	Carnegie Mellon University	4/30 10:00 AM	FC171	Fuel Cell R&D	Regency Ballroom AB
Liu	Di-Jia	ANL	4/30 10:00 AM	P157	Hydrogen Fuel R&D	Regency Ballroom F
Liu	Di-Jia	ANL	5/1 12:00 PM	FC174	Fuel Cell R&D	Regency Ballroom AB
Liu	Gao	LBNL	5/1 4:30 PM	FC179	Fuel Cell R&D	Regency Ballroom AB
Liu	Hong	Oregon State University	4/30 6:30 PM	P129	Poster	Independence AB
Liu	Meilin	Georgia Institute of Technology	4/29 6:30 PM	FC316	Poster	Independence AB
Liu	Meilin	Georgia Tech Research Corporation	5/1 11:30 AM	FE21	FE-SOFC	Regency Ballroom CD
Liu	Xingbo	West Virginia University	4/30 6:30 PM	P175	Poster	Independence AB
Liu	Xingbo	West Virginia University Research Corporation	5/1 2:45 PM	FE25	FE-SOFC	Regency Ballroom CD
Long	Jeffery	LBNL	5/1 12:00 PM	ST130	Hydrogen Fuel R&D	Regency Ballroom F
Maness	Pin-Ching	NREL	4/30 6:30 PM	P179	Poster	Independence AB
Marchi	Chris San	SNL	4/29 6:30 PM	SCS005	Poster	Independence AB
Marchi	Chris San	SNL	5/1 4:15 PM	IN001	Technology Acceleration and Hydrogen Infrastructure R&D	Washington
Maric	Radenka	University of Connecticut	4/29 6:30 PM	TA027	Poster	Independence AB
Martin	Joshua	NREL	4/30 6:30 PM	H2036	Poster	Independence AB
Martinez	Andrew	California Air Resources Board	4/30 9:30 AM	IA002	Interagency Activities	Washington
Martinez	Andrew	California - Various Agencies	4/30 6:30 PM	IA027	Poster	Independence AB
Matranga	Christopher	National Energy Technology Laboratory	4/30 6:30 PM	IA019	Poster	Independence AB
Mauger	Scott	NREL	4/30 12:00 PM	TA008	Fuel Cell R&D	Regency Ballroom AB
McDaniel	Anthony	SNL	4/30 6:30 PM	P148D	Poster	Independence AB
Menon	Nalini	SNL	4/30 6:30 PM	IN013	Poster	Independence AB
Mi	Zetian	University of Michigan	4/30 5:45 PM	P163	Hydrogen Fuel R&D	Regency Ballroom F
Mikulin	John	Environmental Protection Agency	4/30 11:30 AM	IA010	Interagency Activities	Washington
Milliken	JoAnn	New Jersey Fuel Cell Coalition	4/30 5:15 PM	IA013	Interagency Activities	Washington
Minh	Nguyen	University of California - San Diego	4/30 2:15 PM	FE9	FE-SOFC	Regency Ballroom CD
Molinaro	Dave	Hawaii Center for Advanced Transportation Technologies	4/30 6:30 PM	IA025	Poster	Independence AB
Mukerjee	Sanjeev	Northeastern University	4/30 9:30 AM	P156	Hydrogen Fuel R&D	Regency Ballroom F
Muna	Alice	SNL	4/30 6:30 PM	H2013	Poster	Independence AB
Muna	Alice	SNL	5/1 9:30 AM	SCS011	Technology Acceleration and Hydrogen Infrastructure R&D	Washington
Musgrave	Charles	University of Colorado - Boulder	4/30 2:45 PM	P166	Hydrogen Fuel R&D	Regency Ballroom F
Myers	Charlie	Massachusetts Hydrogen Coalition	4/30 5:15 PM	IA013	Interagency Activities	Washington
Myers	Charlie	Massachusetts Hydrogen Coalition	4/30 6:30 PM	IA029	Poster	Independence AB
Myers	Deborah	ANL	4/30 8:30 AM	FC160	Fuel Cell R&D	Regency Ballroom AB
Myers	Deborah	ANL	4/29 6:30 PM	FC322	Poster	Independence AB
Nicholas	Jason	Michigan State University	5/1 9:00 AM	FE17	FE-SOFC	Regency Ballroom CD
Nicollet	Clement	Massachusetts Institute of Technology	5/1 4:45 PM	FE29	FE-SOFC	Regency Ballroom CD
Ocampo	Minette	pH Matter, LLC	4/29 6:30 PM	FC167	Poster	Independence AB
O'Brien	James	INL	4/30 12:00 PM	TA018	Technology Acceleration and Hydrogen Infrastructure R&D	Regency Ballroom E
O'Hayre	Ryan	Colorado School of Mines	4/30 2:15 PM	P165	Hydrogen Fuel R&D	Regency Ballroom F
Osserman	Stan	Hawaii Center for Advanced Transportation Technologies	4/30 5:15 PM	IA013	Interagency Activities	Washington

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Pal	Uday	Trustees of Boston University	5/1 11:00 AM	FE20	FE-SOFC	Regency Ballroom CD
Patel	Tapan	USACE ERDC	4/30 6:30 PM	IA015	Poster	Independence AB
Penev	Michael	NREL	4/30 6:30 PM	SA173	Poster	Independence AB
Perry	Mike	UTRC	4/30 4:45 PM	FC157	Fuel Cell R&D	Regency Ballroom AB
Peters	Michael	NREL	4/30 5:45 PM	IN008	Technology Acceleration and Hydrogen Infrastructure R&D	Regency Ballroom E
Peters	Michael	NREL	4/30 6:30 PM	H2050	Poster	Independence AB
Petri	Aaron	USACE ERDC	4/30 6:30 PM	IA015	Poster	Independence AB
Pietras	John	Saint-Gobain	4/30 6:30 PM	P176	Poster	Independence AB
Pintauro	Peter	Vanderbilt University	4/29 6:30 PM	FC304	Poster	Independence AB
Pintauro	Peter	Vanderbilt University	4/30 5:15 PM	FC158	Fuel Cell R&D	Regency Ballroom AB
Pivovar	Bryan	NREL	4/29 6:30 PM	FC142	Poster	Independence AB
Pivovar	Bryan	NREL	4/29 6:30 PM	FC301	Poster	Independence AB
Pivovar	Bryan	NREL	4/30 6:30 PM	H2000	Poster	Independence AB
Pivovar	Bryan	NREL	5/1 3:15 PM	FC147	Fuel Cell R&D	Regency Ballroom AB
Pivovar	Bryan	NREL	5/1 4:15 PM	FC178	Fuel Cell R&D	Regency Ballroom AB
Post	Matthew	NREL	4/30 6:30 PM	H2039	Poster	Independence AB
Potyrailo	Radislav	General Electric (GE) Company	5/1 4:15 PM	FE27	FE-SOFC	Regency Ballroom CD
Prendergast	David	LBNL	5/1 12:00 PM	ST130	Hydrogen Fuel R&D	Regency Ballroom F
Quackenbush	Karen	FCHEA	4/29 6:30 PM	SCS022	Poster	Independence AB
Quong	Spencer	Electricore	5/1 12:00 PM	TA017	Technology Acceleration and Hydrogen Infrastructure R&D	Washington
Ramani	Vijay	Washington University	5/1 11:00 AM	FC145	Fuel Cell R&D	Regency Ballroom AB
Reddi	Krishna	ANL	4/30 6:30 PM	H2022	Poster	Independence AB
Reisert	Michael	University of Connecticut	4/30 6:30 PM	FE065	Poster	Independence AB
Ricketson	Sean	DOT - Federal Transit Administration	4/30 1:45 PM	IA007	Interagency Activities	Washington
Rinebold	Joel	Connecticut Center for Advanced Technology, Inc.	4/30 9:30 AM	IA002	Interagency Activities	Washington
Rinebold	Joel	Connecticut Center for Advanced Technology, Inc.	4/30 6:30 PM	IA030	Poster	Independence AB
Rivkin	Carl	NREL	4/29 6:30 PM	SCS001	Poster	Independence AB
Rockward	Tommy	LANL	5/1 3:15 PM	SCS007	Technology Acceleration and Hydrogen Infrastructure R&D	Washington
Rojas-Carbonell	Santiago	University of Delaware	4/30 6:30 PM	ARPAE10	Poster	Independence AB
Ross	Ken	PNNL	4/29 6:30 PM	FC321	Poster	Independence AB
Rousseau	Aymeric	ANL	5/1 2:45 PM	SA044	Technology Acceleration and Hydrogen Infrastructure R&D 2	Regency Ballroom E
Ruth	Mark	NREL	4/30 8:30 AM	SA171	Technology Acceleration and Hydrogen Infrastructure R&D	Regency Ballroom E
Salvador	Paul	Carnegie Mellon University	4/30 6:30 PM	FE068	Poster	Independence AB
Satyapal	Sunita	DOE-EERE Fuel Cell Technologies Office	4/30 8:30 AM	IA001	Interagency Activities	Washington
Saur	Genevieve	NREL	4/30 1:45 PM	TA020	Technology Acceleration and Hydrogen Infrastructure R&D	Regency Ballroom E
Scarpino	Michael	U.S. Department of Transportation- Volpe Center	4/30 4:45 PM	IA012	Interagency Activities	Washington
Schumacher	Christian	Naval Undersea Warfare Center	4/30 11:00 AM	IA003	Interagency Activities	Washington
Serov	Alexey	Pajarito Powder	4/29 6:30 PM	FC305	Poster	Independence AB
Setzler	Brian	University of Delaware	4/30 6:30 PM	ARPAE12	Poster	Independence AB

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Severa	Godwin	University of Hawaii	4/30 6:30 PM	ST138	Poster	Independence AB
Shah	Shailesh	U.S. Army Communications- Electronics Research, Development, and Engineering Center (CERDEC)	4/30 3:15 PM	IA005	Interagency Activities	Washington
Shao	Yuyan	PNNL	4/30 11:00 AM	FC172	Fuel Cell R&D	Regency Ballroom AB
Shurland	Melissa	DOT - Federal Railroad Administration	4/30 2:15 PM	IA008	Interagency Activities	Washington
Siegel	Don	University of Michigan	5/1 2:15 PM	ST144	Hydrogen Fuel R&D	Regency Ballroom F
Simmons	Kevin	PNNL	4/30 6:30 PM	H2030	Poster	Independence AB
Simmons	Kevin	PNNL	4/30 6:30 PM	ST200	Poster	Independence AB
Simmons	Kevin	PNNL	5/1 4:45 PM	SCS026	Technology Acceleration and Hydrogen Infrastructure R&D	Washington
Singh	Prabhakar	University of Connecticut (UConn)	4/30 5:15 PM	FE14	FE-SOFC	Regency Ballroom CD
Singh	Prabhakar	University of Connecticut	5/1 8:30 AM	P152	Technology Acceleration and Hydrogen Infrastructure R&D	Regency Ballroom E 2
Siriwardane	Ranjani	National Energy Technology Laboratory	4/29 6:30 PM	IA019	Poster	Independence AB
Smirnov	Sergei	New Mexico State University	4/30 6:30 PM	ARPAE05	Poster	Independence AB
Snyder	Joshua	Drexel University	4/29 6:30 PM	FC309	Poster	Independence AB
Song	Xueyan	West Virginia University Research Corporation	4/30 3:15 PM	FE11	FE-SOFC	Regency Ballroom CD
Spendelow	Jacob	LANL	4/29 6:30 PM	FC318	Poster	Independence AB
Spendelow	Jacob	LANL	5/1 11:30 AM	FC161	Fuel Cell R&D	Regency Ballroom AB
Spendelow	Jacob	LANL	5/1 5:00 PM	FC181	Fuel Cell R&D	Regency Ballroom AB
Sprick	Sam	NREL	4/30 2:15 PM	TA014	Technology Acceleration and Hydrogen Infrastructure R&D	Regency Ballroom E
Stamenkovic	Vojislav	ANL	5/1 9:00 AM	FC140	Fuel Cell R&D	Regency Ballroom AB
Stavila	Vitalie	SNL	4/30 6:30 PM	ST128A	Poster	Independence AB
Stavila	Vitalie	SNL	5/1 11:30 AM	ST128	Hydrogen Fuel R&D	Regency Ballroom F
Stechel	Ellen	Arizona State University	4/30 1:45 PM	P168	Hydrogen Fuel R&D	Regency Ballroom F
Steinbach	Andrew	3M	4/29 6:30 PM	TA026	Poster	Independence AB
Steinbach	Andrew	3M	4/30 5:45 PM	FC143	Fuel Cell R&D	Regency Ballroom AB
Stevenson	Jeff	PNNL	4/30 9:30 AM	FE3	FE-SOFC	Regency Ballroom CD
Strange	Nick	NREL	4/30 6:30 PM	ST201	Poster	Independence AB
Tao	Greg	Chemtronergy, LLC	4/30 6:30 PM	ARPAE15	Poster	Independence AB
Thompson	Chris	GVD	4/30 5:15 PM	IN011	Technology Acceleration and Hydrogen Infrastructure R&D	Regency Ballroom E
Thornton	Matt	NREL	4/30 6:30 PM	ST008	Poster	Independence AB
Tong	Jainhua "Joshua"	Clemson University	4/29 6:30 PM	TA025	Poster	Independence AB
Udovic	Terry	NIST	4/30 6:30 PM	ST135	Poster	Independence AB
Ulsh	Michael	NREL	4/30 6:30 PM	H2006	Poster	Independence AB
Ulsh	Michael	NREL	5/1 10:00 AM	TA001	Technology Acceleration and Hydrogen Infrastructure R&D	Regency Ballroom E 2
Valdes	Vincent	DOT - Federal Transit Administration	4/30 8:30 AM	IA001	Interagency Activities	Washington
Valente	Pat	Ohio Fuel Cell Coalition	4/30 5:15 PM	IA013	Interagency Activities	Washington
Valente	Pat	Ohio Fuel Cell Coalition	4/30 6:30 PM	IA026	Poster	Independence AB
Vesely	Charles	Cummins Power Generation, Inc.	4/30 12:00 PM	FE7	FE-SOFC	Regency Ballroom CD
Vetrano	John	US DOE, Office of Basic Energy Sciences	4/30 6:30 PM	IA018	Poster	Independence AB

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Vijayagopal	Ram	ANL	5/1 2:15 PM	TA024	Technology Acceleration and Hydrogen Infrastructure R&D 2	Regency Ballroom E
Vlassiuk	Ivan	General Graphene	4/30 6:30 PM	ARPAE05	Poster	Independence AB
Wachsmann	Eric	University of Maryland	5/1 4:30 PM	FE28	FE-SOFC	Regency Ballroom CD
Wagener	Earl	Tetramer Technologies LLC	4/30 6:30 PM	P151	Poster	Independence AB
Wagner	Andrew	Mainstream Engineering Corporation	5/1 11:00 AM	TA005	Technology Acceleration and Hydrogen Infrastructure R&D 2	Regency Ballroom E
Waldecker	Jim	Ford Motor Co.	5/1 10:00 AM	FC162	Fuel Cell R&D	Regency Ballroom AB
Walker	Robert A.	Montana State University	4/30 4:15 PM	FE12	FE-SOFC	Regency Ballroom CD
Wang	C.H.	TreadStone Technologies, Inc.	4/29 6:30 PM	FC105	Poster	Independence AB
Wang	Jia	BNL	5/1 9:30 AM	FC141	Fuel Cell R&D	Regency Ballroom AB
Weber	Adam	LBNL	4/30 6:30 PM	P148C	Poster	Independence AB
Weisenberger	Matthew	University of Kentucky	5/1 4:15 PM	ST146	Hydrogen Fuel R&D	Regency Ballroom F
Wolverton	Chris	Northwestern University	4/30 3:15 PM	P167	Hydrogen Fuel R&D	Regency Ballroom F
Wood	Brandon	LLNL	5/1 11:00 AM	ST129	Hydrogen Fuel R&D	Regency Ballroom F
Wycisk	Ryszard	Vanderbilt University	4/29 6:30 PM	FC310	Poster	Independence AB
Xie	Jian	Indiana University Purdue University	4/29 6:30 PM	FC303	Poster	Independence AB
Xu	Hui	Giner, Inc.	4/29 6:30 PM	FC117	Poster	Independence AB
Xu	Hui	Giner, Inc.	4/29 6:30 PM	FC315	Poster	Independence AB
Xu	Hui	Giner, Inc.	4/30 9:30 AM	FC170	Fuel Cell R&D	Regency Ballroom AB
Xu	Hui	Giner, Inc.	5/1 5:15 PM	P143	Technology Acceleration and Hydrogen Infrastructure R&D	Washington
Young	James	NREL	4/30 6:30 PM	P148H	Poster	Independence AB
Zelenay	Piotr	LANL	4/30 8:30 AM	FC160	Fuel Cell R&D	Regency Ballroom AB
Zhong	Yu	Worcester	5/1 5:00 PM	FE30	FE-SOFC	Regency Ballroom CD
Zhou	Xiao-Dong	University of Louisiana at Lafayette	5/1 10:00 AM	FE19	FE-SOFC	Regency Ballroom CD
Zhu	Jiahong	Tennessee Technological University	5/1 2:15 PM	FE24	FE-SOFC	Regency Ballroom CD
Zhu	Tianli	United Technologies Research Center	5/1 9:30 AM	P154	Technology Acceleration and Hydrogen Infrastructure R&D 2	Regency Ballroom E
Zulevi	Barr	Pajarito Powder LLC	4/30 6:30 PM	ARPAE08	Poster	Independence AB