

2018 AMR Preliminary Program at a Glance

Wednesday, June 13 – Friday, June 15 Oral Technical Sessions and Posters

Date	Wednesday, June 13				Thursday, June 14					Friday, June 15			
Topic	Fuel Cell R&D	H2 Fuel R&D	H2@Scale & Technology Acceleration	FE-SOFC	Fuel Cell R&D	H2 Fuel R&D	H2@Scale & Technology Acceleration	FE-SOFC	Interagency Activities	Fuel Cell R&D	H2 Fuel R&D	H2@Scale & Technology Acceleration	FE-SOFC
Room	Thurgood East/North	Thurgood South/West	Lincoln 6	Lincoln 5	Thurgood East/North	Thurgood South/West	Lincoln 6	Lincoln 5	Lincoln 3-4	Thurgood East/North	Thurgood South/West	Lincoln 6	Lincoln 5
7:30 AM	Continental Breakfast <i>Thurgood Marshall Foyers</i>				Continental Breakfast <i>Atrium & Thurgood Marshall Foyers</i>					Continental Breakfast <i>Atrium & Thurgood Marshall Foyers</i>			
8:30 AM	Welcome and General Plenary <i>Thurgood Marshall Ballroom</i>				FC	H2	H2S / TA	SOFC	IA	FC	H2	H2S / TA	SOFC
9:00 AM					FC	H2	H2S / TA	SOFC	IA	FC	H2	H2S / TA	SOFC
9:30 AM					FC	H2	H2S / TA	SOFC	IA	FC	H2	H2S / TA	SOFC
10:00 AM	Program Overview and Sub-Program Overviews <i>Thurgood Marshall Ballroom</i>				FC	H2	H2S / TA	SOFC	IA	FC	H2	H2S / TA	SOFC
10:30 AM					Break <i>Atrium & Thurgood Marshall Foyers</i>					Break <i>Atrium & Thurgood Marshall Foyers</i>			
11:00 AM					FC	H2	H2S / TA	SOFC	IA	FC	H2	H2S / TA	SOFC
11:30 AM					FC	H2	H2S / TA	SOFC	IA	FC	H2	H2S / TA	SOFC
12:00 PM					FC	H2	H2S / TA	SOFC	IA	FC	H2	H2S / TA	SOFC
12:15 PM	Lunch <i>Exhibit Hall A</i>				FC	H2	H2S / TA	SOFC	IA	FC	H2	H2S / TA	SOFC
12:30 PM					Lunch <i>Exhibit Hall A</i>					Lunch <i>Exhibit Hall A</i>			
1:00 PM					Lunch <i>Exhibit Hall A</i>					Lunch <i>Exhibit Hall A</i>			
1:15 PM	Sub-Program Overviews and AMR Award Ceremony <i>Thurgood Marshall Ballroom</i>				FC	H2	H2S / TA	SOFC	IA	FC	H2	H2S / TA	SOFC
1:30 PM					FC	H2	H2S / TA	SOFC	IA	FC	H2	H2S / TA	SOFC
1:45 PM					FC	H2	H2S / TA	SOFC	IA	FC	H2	H2S / TA	SOFC
2:15 PM	Break - Atrium & Thurgood Marshall Foyers				FC	H2	H2S / TA	SOFC	IA	FC	H2	H2S / TA	SOFC
2:45 PM	Break - Atrium & Thurgood Marshall Foyers				FC	H2	H2S / TA	SOFC	IA	FC	H2	H2S / TA	SOFC
3:15 PM	FC	H2	H2S / TA	SOFC	FC	H2	H2S / TA	SOFC	IA	FC	H2	H2S / TA	SOFC
3:45 PM	FC	H2	H2S / TA	SOFC	Break <i>Atrium & Thurgood Marshall Foyers</i>					Break <i>Atrium & Thurgood Marshall Foyers</i>			
4:15 PM	FC	H2	H2S / TA	SOFC	FC	H2	H2S / TA	SOFC	IA	FC	H2	H2S / TA	SOFC
4:45 PM	FC	H2	H2S / TA	SOFC	FC	H2	H2S / TA	SOFC	IA	FC	H2	H2S / TA	SOFC
5:15 PM	FC	H2	H2S / TA	SOFC	FC	H2	H2S / TA	SOFC	IA	FC	H2	H2S / TA	SOFC
5:45 PM	FC	H2	H2S / TA	SOFC	FC	H2	H2S / TA	SOFC	IA	FC	H2	H2S / TA	SOFC
6:30 PM to 8:00 PM	Poster Session A <i>Exhibit Halls B&C</i>				Poster Session B <i>Exhibit Halls B&C</i>					Poster Session C <i>Exhibit Halls B&C</i>			

Wednesday, June 13 Plenary Schedule

	Presentation	Location
7:30 AM	Registration, Reviewer Orientation, and Continental Breakfast	
8:30 AM	Welcome Remarks from the DOE Office of Energy Efficiency and Renewable Energy: Steven Chalk, Deputy Assistant Secretary for Transportation and Sunita Satyapal, Director, Fuel Cell Technologies Office	Thurgood Marshall Ballroom
8:45 AM	Hydrogen Council and Industry Panel Pierre-Etienne Franc, Vice President, Air Liquide, Hydrogen Energy World Business Unit Katsuhiko Hirose, Professional Partner, Toyota Motor Corporation Thierry Lepercq, Executive Vice President, Research, Technology and Innovation, ENGIE	
9:20 AM	DOE Hydrogen and Fuel Cells Program Overview Sunita Satyapal, Director, Fuel Cell Technologies Office	
10:00 AM	Break	Thurgood Marshall Foyers
10:30 AM	Hydrogen Fuel R&D Overview – Hydrogen Production, Delivery and Storage Eric Miller, Neha Rustagi, and Ned Stetson, Fuel Cell Technologies Office	Thurgood Marshall Ballroom
11:15 AM	Technology Acceleration & H2 Infrastructure R&D Overview Fred Joseck, Pete Devlin, Nancy Garland, Chris LaFleur, Jason Marcinkoski, Neha Rustagi, Fuel Cell Technologies Office	
12:00 PM	Keynote Remarks Daniel Simmons, Principal Deputy Assistant Secretary, DOE Office of Energy Efficiency and Renewable Energy	
12:15 PM	Lunch	Exhibit Hall A
1:30 PM	Fuel Cell R&D Overview EE Fuel Cell R&D Overview - Dimitrios Papageorgopoulos, Fuel Cell Technologies Office FE-SOFC Program Overview - Shailesh Vora, National Energy Technology Laboratory	Thurgood Marshall Ballroom
2:30 PM	AMR Award Ceremony	
2:45 PM	Break	Atrium
3:15 PM	Beginning of Technical Sessions	

WEDNESDAY JUNE 13 Oral Presentations

Time	Fuel Cell R&D Thurgood East/North	Hydrogen Fuel R&D Thurgood South/West
3:15 PM	FC160 ElectroCat (Electrocatalysis Consortium) Deborah Myers, ANL & Piotr Zelenay, LANL	PD148 HydroGEN Overview: A Consortium on Advanced Water Splitting Materials Huyen Dinh, NREL
3:45 PM		PD148A HydroGEN: Low-Temperature Electrolysis Guido Bender, NREL
4:15 PM	FC170 ElectroCat: Durable Mn-based PGM-Free Catalysts for Polymer Electrolyte Membrane Fuel Cells Hui Xu, Giner, Inc.	PD148B HydroGEN: High-Temperature Electrolysis Richard Boardman, INL
4:45 PM	FC171 ElectroCat: Advanced PGM-free Cathode Engineering for High Power Density and Durability Shawn Litster, Carnegie Mellon University	PD148C HydroGEN: Photoelectrochemical Hydrogen Production Adam Weber, LBNL
5:15 PM	FC172 ElectroCat: Highly Active and Durable PGM- free ORR Electrocatalysts through the Synergy of Active Sites Yuyan Shao, PNNL	PD148D HydroGEN: Solar Thermochemical Hydrogen Production Anthony McDaniel, SNL
5:45 PM	FC173 ElectroCat: PGM-free Engineered Framework Nanostructure Catalysts Prabhu Ganesan, Greenway Energy, LLC	PD170 Benchmarking Advanced Water Splitting Technologies: Best Practices in Materials Characterization Kathy Ayers, Proton OnSite
6:30 PM- 8:00 PM	Poster Session (See Detail)	

WEDNESDAY JUNE 13 Oral Presentations

Time	H2@Scale & Technology Acceleration Lincoln 6	Fossil Energy - Solid Oxide Fuel Cells Lincoln 5
3:15 PM	H2@SCALE	FE1 SOFC Development Update at FuelCell Energy Hossein Ghezeli-Ayagh, FuelCell Energy
	H2000 H2@Scale Overview Bryan Pivovar & Mark Ruth, NREL	
3:45 PM	TV045 H2@Scale Analysis Mark Ruth, NREL	FE2 LG Fuel Cell Systems SOFC Power System Development Cris DeBellis, LG Fuel Cell System
4:15 PM	SA059 Sustainability Analysis: Hydrogen Regional Sustainability (HyReS) Elizabeth Connelly, NREL	FE3 NETL R&D: SOFC Materials Development and Degradation Modeling Gregory Hackett, National Energy Technology Laboratory
4:45 PM	TV031 Dynamic Modeling and Validation of Electrolyzers in Real Time Grid Simulation Rob Hovsopian, INL	FE4 SOFC Development at PNNL: Overview Jeff Stevenson, Pacific Northwest National Lab
5:15 PM	TV043 Integrated Systems Modeling of the Interactions between Stationary Hydrogen, Vehicle, and Grid Resources Max Wei, LBNL	FE5 Durability and Reliability of Materials and Components for SOFCs Edgar Lara-Curzio, Oak Ridge National Laboratory
5:45 PM	TV041 Modular SOEC System for Efficient H2 Production at High Current Density Hossein Ghezeli-Ayagh, FuelCell Energy	FE6 Evaluation of Cathode Materials for SOFC Performance Reliability Brian Ingram, Argonne National Laboratory
6:30 PM- 8:00 PM	Poster Session (See Detail)	

WEDNESDAY JUNE 13 Poster Presentations, 6:30-8:00 PM Exhibit Halls B & C

Fuel Cells R&D		
FC01	Fuel Cells R&D – Sub-Program Overview	FCTO staff, as available
FC117	FY15 SBIR II Release 2: 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 De Castro, Advent Technologies, Inc.
FC129	Advanced Catalysts and MEAs for Reversible Alkaline Membrane Fuel Cells	Hui Xu, Giner, Inc.
FC154	FY16 SBIR II Release 1: Regenerative Fuel Cell System SBIR Phase II	Paul Matter, pH Matter LLC
FC176	FY17 SBIR II Release 1: Novel Hydrocarbon Ionomers for Durable PEMs	William Harrison, Nanosonic, Inc.
FC177	FY17 SBIR I Release 2: Over-Molded Plates for Reduced Cost and Mass of PEM Fuel Cells	Daniel O'Connell, American Fuel Cell
FC178	Lab Call FY18 (Membrane): Spirocyclic Anion Exchange Membranes for Improved Performance and Durability	Bryan Pivovar, NREL
FC179	Lab Call FY18 (Membrane): Stable Alkaline Membrane Based on Proazaphosphatranes Organic Super Base	Gao Liu, LBNL
FC180	Lab Call FY18 (Membrane): High Performing and Durable Pyrophosphate Based Composite Membranes for Intermediate Temperature Fuel Cells	Cortney Kreller, LANL
FC181	Lab Call FY18 (Reversible FC): Microstructured Electrodes and Diffusion Layers for Enhanced Transport in Reversible Fuel Cells	Jacob Spendelow, LANL
FC182	Lab Call FY18 (Reversible FC): Bipolar Membrane Development to Enable Regenerative FCs	Todd Deutsch, NREL
FC183	Lab Call FY18 (Reversible FC): Technology-Enabling Materials, Cell Design for Reversible PEMFCs	Nem Danilovic, LBNL
Hydrogen Fuels R&D - HydroGEN Seedling Projects		
PD152	Proton-Conducting Solid Oxide Electrolysis Cells for Large-scale Hydrogen Production at Intermediate Temperatures	Prabhakar Singh, University of Connecticut
PD153	Degradation Characterization and Modeling of a New Solid Oxide Electrolysis Cell Utilizing Accelerated Life Testing	Scott Barnett, Northwestern University
PD154	Thin-Film, Metal-Supported High-Performance and Durable Proton-Solid Oxide Electrolyzer Cell	Tianli Zhu, United Technologies Research Center
PD155	High Efficiency PEM Water Electrolysis Enabled by Advanced Catalysts, Membranes and Processes	Kathy Ayers, Proton OnSite
PD156	Developing Novel Platinum Group Metal-Free Catalysts for Alkaline Hydrogen and Oxygen Evolution Reactions	Sanjeev Mukerjee, Northeastern University
PD157	PGM-free OER Catalysts for PEM Electrolyzer	Di-Jia Liu, ANL
PD158	High-Performance Ultralow-Cost Non-Precious Metal Catalyst System for AEM Electrolyzer	Hoon Chung, LANL
PD159	Scalable Elastomeric Membranes for Alkaline Water Electrolysis	Yu Seung Kim, LANL
PD160	Best-in-class Platinum Group Metal-free (PGM-free) Catalyst Integrated Tandem Junction PEC Water Splitting Devices	Charles Dismukes, Rutgers University
PD161	Protective Catalyst Systems on III-V and Si-based Semiconductors for Efficient, Durable PEC Water Splitting Devices	Thomas Jaramillo, Stanford University
PD162	Novel Chalcopyrites For Advanced PEC Water Splitting	Nicolas Gaillard, University of Hawaii at Manoa
PD163	Monolithically Integrated Thin-Film/Silicon Tandem Photoelectrodes for High Efficiency and Stable PEC Water Splitting	Zetian Mi, University of Michigan
PD164	Efficient Solar Water Splitting with 5,000 Hours Stability Using Earth-Abundant Catalysts and Durable Layered 2D Perovskites	Aditya Mohite, LANL
PD165	Accelerated Discovery of STCH Hydrogen Production Materials via High-Throughput Computational and Experimental Methods	Ryan O'Hayre, Colorado School of Mines
PD166	Computationally Accelerated Discovery and Experimental Demonstration of High-Performance Materials for Advanced STCH Hydrogen Production	Charles Musgrave, University of Colorado - Boulder
PD167	Transformative Materials for High-Efficiency Thermochemical Production of Solar Fuels	Chris Wolverton, Northwestern University
PD168	Mixed Ionic Electronic Conducting Quaternary Perovskites: Materials by Design for STCH H2	Ellen Stechel, Arizona State University
PD169	High Temperature Reactor Catalyst Material Development for Low Cost and Efficient Solar Driven Sulfur-based Processes	Claudio Corgnale, Greenway Energy
SLAC	Reduced-Temperature Thermochemical Redox Reactions	William Chueh, SLAC National Accelerator Laboratory/Stanford

WEDNESDAY JUNE 13 Poster Presentations, 6:30-8:00 PM Exhibit Halls B & C

Technology Acceleration		
TA01	Technology Acceleration & Hydrogen Infrastructure R&D – Sub-Program Overview	FCTO staff, as available
TA02	Technology Acceleration – Status and Accomplishments	FCTO staff, as available
TA03	Safety, Codes and Standards R&D – Sub-Program Overview	FCTO staff, as available
MT011	Fuel Cell Powered Airport Ground Support Equipment Deployment	Larry Pitts, Plug Power
MT014	Demonstration of Fuel Cell Auxiliary Power Unit (APU) to Power Truck Refrigeration Units (TRUs) in Refrigerated Trucks	Kriston Brooks, PNNL
TV001	Fuel Cell Electric Vehicle Evaluation	Shaun Onorato, NREL
TV029	Performance and Durability Testing of Volumetrically Efficient Cryogenic Vessels and High Pressure Liquid Hydrogen Pump	Salvador Aceves, LLNL
TV039	Innovative Advanced Hydrogen Mobile Fueler	Spencer Quong, Electricore
TV146	H2@Scale: Experimental Characterization of Durability of Advanced Electrolyzer Concepts in Dynamic Loading	Shaun Alia, NREL
TV148	Hydrogen Stations for Urban Sites	Brian Ehrhart, NREL/SNL
TV149	Mirai Testing	Henning Lohse-Busch, ANL
TV150	Analysis of Fuel Cells for Trucks	Ram Vijayagopal, ANL
SCS005	R&D for Safety, Codes and Standards: Materials and Components Compatibility	Chris San Marchi, SNL
SCS011	Hydrogen Quantitative Risk Assessment	Alice Muna, SNL
SCS021	NREL Hydrogen Sensor Testing Laboratory	William Buttner, NREL
SCS030	Advancing Fuel Cell Electric Vehicles in San Francisco and Beyond	Jessie Denver, City and County of San Francisco
MN012	Integrated Regional Technical Exchange Centers	Patrick Valente, Ohio Fuel Cell Coalition
MN013	Hydrogen Fuel Cell Nexus Business to Business Website	Alleyn Harned, Virginia Clean Cities at JMU
MN017	Manufacturing Competitiveness Analysis for Hydrogen Refueling Stations	Ahmad Mayyas, NREL
MN019	Material-Process-Performance Relationships in PEM Catalyst Inks and Coated Layers	Scott Mauger, NREL
SBIR Phase 1 Projects (invited)		
FC184	New Fluorinated Ionomers for Enhanced Oxygen Transport in Fuel Cell Cathodes	Robert Lousenberg, Compact Membrane Systems
FC185	Novel Fluorinated Ionomer for PEM Fuel Cells	Hui Xu, Giner, Inc.
FC186	New Approaches to Improved PEMFC Catalyst Layer	Brad Morgan, Tetramer Technologies LLC
FC187	Development of Innovative Gas Diffusion Layers for Polymer Electrolyte Membrane Fuel Cells	Jason Morgan, AvCarb Material Solutions, LLC
FC188	High Performance Gas Diffusion Layer	Minette Ocampo, pH Matter, LLC
FC189	GDL Media Development for Improved PEM Fuel Cell Performance	Ashok Damle, Techverse, Inc.
FC190	Advanced Manufacturing of Gas Diffusion Layers with Highly Engineered Porosity	David Driscoll, Glacigen Materials, Inc.
FC191	Controlled Porosity and Surface Coatings for Advanced Gas Diffusion Layers	Christopher Lang, Physical Sciences Inc.
FC192	Nanostructured Carbon-Based Gas Diffusion Layers for Enhanced Fuel Cell Performance	Girish Srinivas, TDA Research, Inc.
FC193	Innovative Bilayer Microporous Layer for PEM Fuel Cells	Chao Lei, Giner, Inc.
PD173	Novel Membranes for Electrochemical Hydrogen Compression enabling Increased Pressure Capability and Higher Pumping Efficiency	Taoli Gu, Xergy
PD174	Novel Sulfonated Block Copolymers for Efficient Electrochemical Hydrogen Compression	Trent Molter, Sustainable Innovations
ST149	General Techniques for Increasing Packing Density of Metal-Organic Frameworks for Enhanced Volumetric Storage of Hydrogen	William Morris, NuMat Technologies
ST150	High Density Hydrogen Storage in Space-filling Polyhedral Sorbents	Ganesh Skandan, NEI Corporation
ST151	Development of Novel Compaction Regimes for Hydrogen Storage Materials	Brandon Ennis, E&G Associates, Inc.

WEDNESDAY JUNE 13 Poster Presentations, 6:30-8:00 PM Exhibit Halls B & C

Fossil Energy – Solid Oxide Fuel Cells Program		
FE050-p	Development of Agile and Cost Effective Routes for Manufacturing Reliable Ceramic Components for SOFC Systems	John Pietras, Saint-Gobain
FE051-p	Mapping of Temperature Profiles of the Entire Solid Oxide Fuel Cells with 8-mm Spatial Resolution During 800oC Operations	Kevin P. Chen, University of Pittsburgh
FE052-p	Highly Active Hybrid Catalyst Impregnated Cathode for Proton Conducting Solid Oxide Fuel Cells	Fanglin (Frank) Chen, University of South Carolina
FE053-p	High Throughput, In-line Coating Metrology Development for Solid Oxide Fuel Cell (SOFC) Manufacturing	Sean R. Bishop, Redox Power Systems, LLC
FE054-p	Highly-Active and Contaminant-Tolerant Cathodes for Durable Solid Oxide Fuel Cells	Meilin Liu, Georgia Institute of Technology
FE055-p	On-Demand Designing of Cathode Internal Surface Architecture for Dramatic Enhancement of SOFC Performance and Durability	Xueyan Song, West Virginia University
FE056-p	Effect of Spinel Composition on the Electrical Conductivity and Coefficient of Thermal Expansion in the (Ni,Co,Fe)3O4 System	Jiahong Zhu, Tennessee Technological University
FE057-p	Operating Stresses and their Effects on Degradation of LSM-Based SOFC Cathodes	Chenxin Deng, Case Western Reserve University
FE058-p	Degradation & Performance Studies of ALD-Stabilized Nano-Composite SOFC Cathodes	Kevin Huang, Michigan State University
FE059-p	Improving Ni-Based Sofc Anode Resilience And Durability Through Secondary Phase Formation	Robert A. Walker, Montana State University
FE060-p	Carbon Tolerant Anode for Controlled Hydrocarbon Reformation in SOFC	Prabhakar Singh, University of Connecticut
FE061-p	Core-Shell Heterostructures As Solid Oxide Fuel Cell Electrodes	Srikanth Gopalan, Boston University
FE062-p	Improvement in Lifetime of SOFCs, Utilizing Novel, In-situ Methods to Remove Cathodic Chromium Deposits	Uday B. Pal, Boston University
FE063-p	Cost-effective Stabilization of Nanostructured Cathodes by Atomic Layer Deposition	Raymond J. Gorte, University of Pennsylvania
FE064-p	LGFCs SOFC Prototype System Testing	Crispin DeBellis, LG Fuel Cell Systems, Inc.
FE065-p	High Temperature Oxidation Behavior of 3D Printed, HIP and Wrought AFA25 Alloys	Amit Pandey, LG Fuel Cell Systems, Inc.
FE066-p	Ultra High Temperature Anode Recycle Blower for Solid Oxide Fuel Cell	Garrett M. Davis, Mohawk Innovative Technology, Inc
FE067-p	Pressurized Operation of a Planar Solid Oxide Fuel Cell Stack	Louis G. Carreiro , Naval Undersea Warfare Center Division Newport
FE068-p	Fluidized Bed Production of Surface Functionalized Powders for Solid Oxide Fuel Cell Cathodes	Nick M. Brockey, Structured Materials Industries, Inc
FE069-p	Laser 3D Printing of SOFC	Jian Liu, PolarOnyx, Inc
FE070-p	Hybridization of freeze casting with additive manufacturing for simplified production of high performance SOFCs	David R. Driscoll , Glacigen Materials, Inc.
FE071-p	Cold Spray Additive Manufacturing of Thermoelectric Generators	Alexander A. Baker, Lawrence Livermore National Laboratory
FE072-p	Flame-Powered SOFC Generators	Michael C. Tucker, Lawrence Berkeley National Laboratory
FE073-p	Progress in Metal-Supported Solid Oxide Fuel Cells	Emir Dogdibegovic , Lawrence Berkeley National Laboratory
FE074-p	Electrode Engineering Research and Development Progress at NETL	Gregory Hackett , National Energy Technology Laboratory
FE075-p	Cell and Stack Degradation Evaluation and Modeling Progress at NETL	Gregory Hackett , National Energy Technology Laboratory
FE076-p	Advanced Reduced Order Model (ROM) Prediction and Error Quantification Framework for SOFC Stacks	Brian Koeppel , Pacific Northwest National Laboratory
FE077-p	Optimal Operating Conditions for Performance and Reliability of SOFCs	Kurtis P. Recknagle, Pacific Northwest National Laboratory
FE078-p	Small-Scale Test Platform (SSTP) for SOFC Stacks	Jeff Stevenson, Pacific Northwest National Laboratory
FE079-p	Composite Approach to Tailoring Thermal Expansion of LSCo-based Ceramic Cathode Contact for Solid Oxide Fuel Cell Applications	Y-S Chou, Pacific Northwest National Laboratory
FE080-p	Cr Mitigation by LSCF-based Materials for Solid Oxide Fuel Cells	Y-S Chou, Pacific Northwest National Laboratory
FE081-p	Long Term Stability Tests of Low Temperature and Standard Reactive Air Aluminization Process	Jung Pyung Choi , Pacific Northwest National Laboratory
FE082-p	LSM/YSZ Button Cell Tests in Cathode Air with Measured Cr Concentrations	John S. Hardy, Pacific Northwest National Laboratory
FE083-p	Air Braze Optimization for Markets Targeted by Aegis Technology, Inc.	John S. Hardy, Pacific Northwest National Laboratory
FE084-p	ALD Produced Interconnect Barriers for Improved Glass Seal Performance	Jeffrey F. Roeder, Sonata LLC
FE085-p	Surface Modification of LSCF Cathode Powders by Atomic Layer Deposition	Jeffrey F. Roeder, Sonata LLC
FE086-p	Application of Computational Thermodynamics in Solid Oxide Fuel Cell	Yu (Michael) Zhong, Worcester Polytechnic Institute

THURSDAY JUNE 14 Oral Presentations

Time	Fuel Cell R&D Thurgood East/North	Hydrogen Fuel R&D Thurgood South/West
7:30 AM	Continental Breakfast - Atrium & Thurgood Marshall Foyers	
8:30 AM	FC135 FC-PAD: Fuel Cell Performance and Durability Consortium Rod Borup, LANL	PD136 Electrochemical Compression Monjid Hamdan, Giner ELX, Inc.
9:00 AM		PD137 Hybrid Electrochemical-Metal Hydride Compression Claudio Corgnale, Greenway Energy, Inc.
9:30 AM		PD138 Metal Hydride Compression Terry Johnson, SNL
10:00 AM	FC155 Novel Ionomers & Electrode Structures for Improved PEMFC Electrode Performance at Low PGM Loadings Andrew Haug, 3M	PD146 Advancing Hydrogen Dispenser Technology by Using Innovative Intelligent Networks Bryan Gordon, Ivys Inc.
10:30 AM	Break - Atrium & Thurgood Marshall Foyers	
11:00 AM	FC156 Durable High-Power Membrane Electrode Assemblies with Low-Pt-Loading Swami Kumaraguru, General Motors	PD140 Dispenser Reliability Michael Peters, NREL
11:30 AM	FC157 High Performance PEFC Electrode Structures Mike Perry, UTRC	PD149 Hydrogen Dispensing Hose Jennifer Lalli, NanoSonic
12:00 PM	FC158 Fuel Cell Membrane-Electrode-Assemblies with Ultra-Low Pt Nanofiber Electrodes Peter Pintauro, Vanderbilt University	PD150 Coatings for Compressor Seals Shannan O'Shaughnessy, GVD
12:30 PM	Lunch - Exhibit Hall A	
1:45 PM	FC140 Tailored High Performance Low-PGM Alloy Cathode Catalysts Vojislav Stamenkovic, ANL	PD143 High Temperature Alkaline Water Electrolysis Hui Xu, Giner, Inc.
2:15 PM	FC141 Platinum Monolayer Electrocatalysts Jia Wang, BNL	PD151 New Approaches to Improved PEM Electrolyzer Ion Exchange Membranes Earl Wagener, Tetramer Technologies LLC
2:45 PM	FC142 Extended Surface Electrocatalyst Development Shaun Alia, NREL	ST001 System Level Analysis of Hydrogen Storage Options Rajesh Ahluwalia, ANL
3:15 PM	FC143 Highly Active, Durable, and Ultra-low PGM NSTF Thin Film ORR Catalysts and Supports Andrew Steinbach, 3M	ST100 Hydrogen Storage Cost Analysis Brian James, Strategic Analysis, Inc.
3:45 PM	Break - Atrium & Thurgood Marshall Foyers	
4:15 PM	FC144 Highly-Accessible Catalysts for Durable High-Power Performance Anusorn Kongkanand, General Motors	ST127 HyMARC: A Consortium for Advancing Hydrogen Storage Materials Mark Allendorf & Tom Gennett, SNL; NREL
4:45 PM	FC145 Corrosion-Resistant Non-Carbon Electrocatalyst Supports for PEFCs Vijay Ramani, Washington University	
5:15 PM	FC161 Advanced Electro-Catalysts through Crystallographic Enhancement Jacob Spendelow, LANL	ST129 HyMARC: LLNL Technical Activities Brandon Wood, LLNL
5:45 PM	FC162 Vapor Deposition Process for Engineering of Dispersed PEMFC ORR Pt/NbOx/C Catalysts Jim Waldecker, Ford Motor Co.	ST130 HyMARC: LBNL Technical Activities David Prendergast, LBNL
6:30 PM- 8:00 PM	Poster Session (See Detail)	

THURSDAY JUNE 14 Oral Presentations

Time	H2@Scale & Technology Acceleration Lincoln 6	FE-SOFC Lincoln 5	Interagency Activities Lincoln 3-4
7:30 AM	Continental Breakfast - Atrium & Thurgood Marshall Foyers		
8:30 AM	TV042 Optimal Stationary Fuel Cell Integration and Control (Energy Dispatch Controller) Genevieve Saur, NREL	FE7 Degradation and Reliability Advancements in Tubular SOFC Wensheng Wang, Atrex energy	IA001 Interagency Collaboration Panel - Session Moderator: Peter Devlin, FCTO Sunita Satyapal, Director, DOE-EERE Fuel Cell Technologies Office Paul Rogers, Director, U.S. Army Tank Automotive Research, Development and Engineering Center (TARDEC) RuthAnne Darling, Director of Innovation, Office of the Deputy Assistant Secretary of Defense for Operational Energy Rickey Shyne, Director, Research and Engineering, NASA Glenn Research Center
9:00 AM	TV040 High Temperature Electrolysis Test Stand Richard Boardman, INL	FE8 Deposition of Nickel Nanoparticles in SOFC Anodes to Improve Performance Soumendra N. Basu, Boston University	
9:30 AM	MN001 Fuel Cell MEA Manufacturing R&D Michael Ulsh, NREL	FE9 Scalable Nano-Scaffold Architecture on the Internal Surface of SOFC Anode for Direct Hydrocarbon Utilization Xueyan Song, West Virginia University Research Corporation	IA002 State-Funded Hydrogen and Fuel Cell Activities Panel - Session Moderator: Fred Joseck, FCTO Andrew Martinez, California Air Resources Board Jean Baronas, California Energy Commission Naveen Berry - South Coast Air Quality Management District
10:00 AM	MN018 Roll to Roll Advanced Materials Manufacturing Lab Consortium Claus Daniel, ORNL	FE10 Development and Understanding of Highly Active and Durable Oxygen Electrodes for Solid Oxide Fuel Cells Xiao-Dong Zhou, University of Louisiana at Lafayette	
10:30 AM	Break - Atrium & Thurgood Marshall Foyers		
	H2 INFRASTRUCTURE		
11:00 AM	TV017 Hydrogen Station Data Collection and Analysis Sam Sprik, NREL	FE11 Self-Regulating Surface Chemistry For More Robust Highly Durable Solid Oxide Fuel Cell Cathodes Clement Nicollet, Massachusetts Institute of Technology	IA003 Hydrogen Fuel Cells for Powered Industrial Vehicles Carroll Burgess, U.S. Postal Service
11:30 AM	SA170 Analysis of Cost Impacts of Integrating Advanced On-Board Storage Systems with Hydrogen Delivery Amgad Elgowainy, ANL	FE12 Scalable and Cost Effective Barrier Layer Coating to Improve Performance and Stability of SOFC Cathode Xingbo Liu, West Virginia University Research Corporation	IA004 Fuel Cell Development for Tactical Vehicles Kari Drotleff, U.S. Army TARDEC
12:00 PM	PD135 Liquid Hydrogen Infrastructure Analysis Guillaume Petitpas, LLNL	FE13 Development of a Thermal Spray, Redox Stable, Ceramic Anode for Metal Supported SOFC Richard Hart, General Electric Company	IA005 Fuel Cell Unmanned Aerial Vehicle Development Richard Stroman, Naval Research Laboratory
12:15 PM			IA006 State and Federal-Supported Hydrogen RD&D in Hawaii Dave Molinaro, Hawaii Center For Advanced Transportation Technologies
12:30 PM	Lunch - Exhibit Hall A		Lunch - Exhibit Hall A Featuring a Ride-and-Learn in DOE's Fuel Cell Cars - Main Lobby
1:45 PM	PD131 Magnetocaloric Hydrogen Liquefaction Jamie Holladay, PNNL	FE14 Metal-Supported Ceria Electrolyte-Based SOFC Stack for Scalable, Low Cost, High Efficiency and Robust Stationary Power Systems Charles Vesely and Bal Dosanjh, Cummins Power Generation/Ceres Power	MT013 Maritime Fuel Cell Generator Project Lennie Klebanoff, Sandia National Laboratories
2:15 PM	SCS025 Enabling Hydrogen Infrastructure Through Science-based Codes and Standards Alice Muna, SNL	FE15 Innovative, Versatile and Cost-Effective Solid Oxide Fuel Cell Stack Concept Nguyen Minh, University of California, San Diego	IA007 Federal Railroad Administration-Sponsored Locomotive Project Jack Brouwer, University of California, Irvine
2:30 PM			IA015 NSF-Sponsored Hydrogen and Fuel Cell Related R&D Carole Read, National Science Foundation
2:45 PM	SCS010 R&D for Safety, Codes and Standards: Hydrogen Behavior Ethan Hecht, SNL	FE16 IT-SOFCs: Overview of Stack Size Scaling Efforts and Red-Ox Robust All-Ceramic Anode Cell Based Stacks Sean Bishop and Bryan Blackburn, Redox Power Systems	IA008 National Fuel Cell Bus Program Sean Ricketson, Federal Transit Administration
3:15 PM	SCS026 Compatibility of Polymeric Materials Used in the Hydrogen Infrastructure Kevin Simmons, PNNL	FE17 Performance and Reliability Advancements in a Durable Low Temperature Tubular SOFC Praveen Cheeatamaria, Atrex energy	MT008 Hydrogen Energy Systems as a Grid Management Tool Mitch Ewan, Hawaii Natural Energy Institute
3:45 PM	Break - Atrium & Thurgood Marshall Foyers		
4:15 PM	PD025 Fatigue Performance of High-Strength Pipeline Steels and Their Welds in Hydrogen Gas Service Joe Ronevich, SNL	FE18 Mitigation of Chromium Impurity Effects and Degradation in Solid Oxide Fuel Cells: Role of Thermodynamics and Transport Srikanth Gopalan, Boston University	IA009 Fuel Cell R&D for Earth and Space Applications Ian Jakupca, NASA
4:30 PM			IA010 The Brentwood Station Experience Robin Nixon, National Park Service
4:45 PM	MN015 Continuous Fiber Composite Electrofusion Coupler Brett Kimball, Automated Dynamics	FE19 Materials and Approaches for the Mitigation of SOFC Cathode Degradation in SOFC Power Systems Prabhakar Singh, University of Connecticut	IA011 Alternative Fuel Corridor Program Diane Turchetta, Federal Highway Administration
5:00 PM			IA012 Hydrogen-Related Activities at EPA Susan Burke, Environmental Protection Agency
5:15 PM	SCS007 Fuel Quality Assurance R&D and Impurity Testing in Support of Codes & Standards Tommy Rockward, LANL	FE20 Chromium Sensor for Monitoring Solid Oxide Fuel Cell Systems Jeffrey Fergus, Auburn University	IA013 Regional Hydrogen Infrastructure Panel - Session Moderator: Nancy Garland, FCTO Bill Elrick, California Fuel Cell Partnership Pat Valente, Ohio Fuel Cell Coalition Joel Rinebold, Connecticut Center for Advanced Technology, Inc.
5:45 PM	SA169 Market Segmentation Analysis of Medium and Heavy Duty Trucks with a Fuel Cell Emphasis Chad Hunter, NREL	FE21 Highly Selective and Stable Multivariable Gas Sensors for Enhanced Robustness and Reliability of SOFC Operation Radislav Potyrailo, General Electric Company	
6:30 PM-8:00 PM	Poster Session (See Detail)		

THURSDAY JUNE 14 Poster Presentations, 6:30-8:00 PM Exhibit Halls B & C

Hydrogen Fuels R&D - Hydrogen Production and Delivery		
H2F01	Hydrogen Production R&D – Sub-Program Overview	FCTO staff, as available
H2F02	Hydrogen Delivery R&D – Sub-Program Overview	FCTO staff, as available
PD038	Biomass to Hydrogen (B2H2)	Pin-Ching Maness, NREL
PD100	700 bar Hydrogen Dispenser Hose Reliability Improvement	Kevin Harrison & Owen Smith, NREL
PD102	Analysis of Advanced H2 Production Pathways	Brian James, Strategic Analysis, Inc.
PD108	Hydrogen Compression Application of the Linear Motor Reciprocating Compressor (LMRC)	Eugene Broerman, SwRI
PD114	Flowing Particle Bed Solar Thermal RedOx Process to Split Water	Alan Weimer, University of Colorado Boulder
PD116	Wide Bandgap Chalcopyrite Photoelectrodes for Direct Solar Water Splitting	Nicolas Gaillard, University of Hawaii
PD125	Tandem Particle-Slurry Batch Reactors for Solar Water Splitting	Shane Ardo, University of California, Irvine
PD129	Novel Hybrid Microbial Electrochemical System for Efficient Hydrogen Generation from Biomass	Hong Liu, Oregon State University
PD172	Low-cost Magnetocaloric Materials Discovery	Robin Ihnfeldt, GE&R
HEF01	HEF Student Design Contest -- Motion+: Amphibious Yacht and Fuel Station	Mathew Chen, et. al. , University of Toronto, University of Florida
HEF02	HEF Student Design Contest --Power-to-Gas: Energy Infrastructure for a Manufacturing Facility in South Western Ontario	Ushnik Mukherjee, University of Waterloo,
HEF03	HEF Student Design Contest --Hydrogen for Heat: Utilizing Hydrogen for Long-Term Energy Storage in Northern Climates	Zachary Taie, University of Oregon, Cascades
Hydrogen Fuels R&D - Hydrogen Storage		
H2F03	Hydrogen Storage R&D – Sub-Program Overview	FCTO staff, as available
ST014	Hydrogen Sorbent Measurement Qualification and Characterization	Phil Parilla, NREL
ST119	High-capacity Hydrogen Storage Systems via Mechanochemistry	Shalabh Gupta, Ames Laboratory
ST120	Design and Synthesis of Materials with High Capacities for Hydrogen Physisorption	Brent Fultz, California Institute of Technology
ST134	Investigation of Solid State Hydrides for Autonomous Fuel Cell Vehicles	Patrick Ward, SRNL
ST135	HySCORE: Technical Activities at NIST	Jacob Tarver, NREL
ST136	HyMARC Seedling: “Graphene-Wrapped” Complex Hydrides as High-Capacity, Regenerable Hydrogen Storage Materials	Di Jia Liu, ANL
ST137	HyMARC Seedling: Electrolyte Assisted Hydrogen Storage Reactions	Channing Ahn, Liox Power
ST140	Emergency Hydrogen Refueler for Individual Consumer Fuel Cell Vehicles	Michael Kimble, Skyhaven Systems
ST142	HyMARC Seedling: Fluorinated Covalent Organic Frameworks: A Novel Pathway to Enhance Hydrogen Sorption and Control Isothermic Heats of Adsorption	Justin Johnson, NREL
ST143	HyMARC Seedling: ALD (Atomic Layer Deposition) Synthesis of Novel Nanostructured Metal Borohydrides	Steven Christensen, NREL
ST144	HyMARC Seedling: Optimized Hydrogen Adsorbents via Machine Learning and Crystal Engineering	Don Siegel, University of Michigan
ST145	HyMARC Seedling: Super Metallated Frameworks as Hydrogen Sponges	Sophia Steffens, University of California, Berkeley
ST146	Precursor Processing Development for Low Cost, High Strength Carbon Fiber for Composite Overwrapped Pressure Vessel Applications	Matthew Weisenberger, University of Kentucky
ST147	Developing a New Polyolefin Precursor for Low-Cost, High-Strength Carbon Fiber	Mike Chung, Penn State University
ST148	Novel Plasticized Melt Spinning Process of PAN Fibers Based on Task-Specific Ionic Liquids	Sheng Dai, ORNL

THURSDAY JUNE 14 Poster Presentations, 6:30-8:00 PM Exhibit Halls B & C

Systems Analysis		
SA01	Systems Analysis – Sub-Program Overview	FCTO staff, as available
SA039	Regional Water Stress Analysis with Hydrogen Production at Scale	Amgad Elgowainy, ANL
SA063	Regional Supply of Hydrogen	Michael Penev, NREL
H2@Scale CRADA Projects (invited)		
H2001	Scalable Electrolytic Systems for Renewable Hydrogen Production	Guido Bender, NREL
H2004	Tatsuno Coriolis Flow Meter Development Testing in High Pressure Hydrogen	Rob Burgess, 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	Chris LaFleur, SNL
H2012	Evaluate High Temperature Steam Electrolysis Coupled to PWR/MCFR/TWR for H2 Production and Energy Storage	Jamie Holladay, PNNL
H2013	Development, Validation, and Benchmarking of Quantitative Risk Assessment Tools for Hydrogen Refueling Stations	Chris LaFleur, SNL
H2021	Hydrogen Component Performance Diagnostic Testing	Danny Terlip, NREL
H2022	Develop a Tool to Estimate the Benefits of Tube-Trailer Consolidation Scheme for Station Builders	Amgad Elgowainy, ANL
H2025	Optimizing an Integrated Renewable-Electrolysis System	Josh Eichman, NREL
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	Michael Peters, NREL
H2039	Turboexpander: Alternative Fueling Concept for Fuel Cell Electric Vehicle Fast Fill	Rob Burgess, 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
H2049	Valuation of Hydrogen Technology on the Electric Grid Using Production Cost Modeling	Josh Eichman, NREL
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
Interagency Activities		
IA016	Neutron Imaging Study of the Water Transport in Operating Fuel Cells	David Jacobson, National Institute of Standards and Technology
IA017	Hydrogen from Wastewater Biogas	Nick Josefik, Army Corps of Engineers
IA018	Operational Energy from Seawater	Heather Willauer, Naval Research Laboratory
IA019	Designing a Fuel Cell Watercraft	Dana Wilkes, National Oceanic and Atmospheric Administration
IA021	Chemical Catalysis for Bioenergy (ChemCatBio): Accelerating R&D in Catalytic Conversion of Biomass for Biofuels, Bioproducts, and Biopower	Nichole Fitzgerald and Robert Natelson, DOE Bioenergy Technologies Office
IA022	Conversion of Methane to Hydrogen and Carbon via Catalytic Methane Decomposition	Ranjani Siriwardane, DOE - National Energy Technology Laboratory

THURSDAY JUNE 14 Poster Presentations, 6:30-8:00 PM Exhibit Halls B & C

DOE Intra-agency Activities		
IA014	Basic Science Underpinning Hydrogen and Fuel Cells at DOE	Viviane Schwartz, DOE Office of Basic Energy Sciences
IA020	DOE Advanced Manufacturing Office: What we Do	Kenneth Kort, DOE Advanced Manufacturing Office
ARPAE01	Dual Mode Energy Conversion and Storage Flow Battery	Chris Capuano, Proton On Site
ARPAE02	Precious Metal Free Regenerative Hydrogen Electrode	Barr Zulevi, Pajarito Powder
ARPAE03	Low Temperature NH3 Cracking Membrane Reactor for H2 Refueling Stations	Lin-Feng Li, Bettergy Corp.
ARPAE04	Protonic Ceramics for Energy Storage and Electricity Generation with Ammonia	Hossein Ghezeli-Ayagh, Fuel Cell Energy
ARPAE05	Electricity From An Energy-Dense Carbon-Neutral Energy Carrier	Trent Molter, Sustainable Innovation
ARPAE06	Low-Cost Intermediate-Temperature Fuel-Flexible Protonic-Ceramic Fuel Cell and Stack	Ryan O'Hayre, CO School of Mines
ARPAE07	High-Efficiency Ammonia Production from Water and Nitrogen	Hui Xu, Giner
ARPAE08	High Rate Ammonia Synthesis by Intermediate Temperature Solid-State Alkaline Electrolyzer	Feng Zhao, Storagenergy
ARPAE09	Direct Ammonia Fuel Cells for Transport Applications	Shimshon Gottesfeld, U. Delaware
ARPAE10	AEM electrolyzers: the low cost alternative for renewable hydrogen generation?"	Rich Masel, Dioxide Materials
Fossil Energy – Solid Oxide Fuel Cells Program		
Posters will be displayed but not staffed (See Wednesday for detail)		
Hydrogen Fuels R&D - HydroGEN Seedling Projects		
Posters will be displayed but not staffed (See Wednesday for detail)		

FRIDAY JUNE 15 Oral Presentations

Time	Fuel Cell R&D Thurgood East/North	Hydrogen Fuel R&D Thurgood South/West
7:30 AM	Continental Breakfast - Atrium & Thurgood Marshall Foyers	
8:30 AM	FC017 Fuel Cell System Modeling and Analysis Rajesh Ahluwalia, ANL	ST128 HyMARC: SNL Technical Activities Vitalie Stavila, SNL
9:00 AM	FC163 Fuel Cell Systems Analysis Brian James, Strategic Analysis, Inc.	ST131 HySCORE: NREL Technical Activities Thomas Gennett, NREL
9:30 AM	FC146 Advanced Materials for Fully-Integrated MEAs in AEMFCs Yu Seung Kim, LANL	ST133 HySCORE: LBNL Technical Activities Jeffrey Long, LBNL
10:00 AM	FC147 Advanced Ionomers & MEAs for Alkaline Membrane Fuel Cells Bryan Pivovar, NREL	ST132 HySCORE: PNNL Technical Activities Tom Autrey, PNNL
10:30 AM	Break - Atrium & Thurgood Marshall Foyers	
11:00 AM	FC174 Highly Efficient and Durable Cathode Catalyst with Ultralow Pt Loading through Synergetic Pt/PGM-Free Catalytic Interaction Di-Jia Liu, ANL	ST138 HyMARC Seedling: Development of Magnesium Boride Etherates as Hydrogen Storage Materials Godwin Severa, University of Hawaii
11:30 AM	FC175 Polymer-based Fuel Cells that Operate from 80-220 C Yu Seung Kim, LANL	ST122 Hydrogen Adsorbents with High Volumetric Density: New Materials and System Projections Don Siegel, University of Michigan
12:00 PM	MN016 In-line Quality Control of PEM Materials Paul Yelvington, Mainstream	ST008 Hydrogen Storage System Modeling: Public Access, Maintenance, and Enhancements David Tamburello, SRNL

FRIDAY JUNE 15 Oral Presentations

Time	H2@Scale & Technology Acceleration Lincoln 6	FE-SOFC Lincoln 5
7:30 AM Continental Breakfast - Atrium & Thurgood Marshall Foyers		
8:30 AM	SA044 Cost Benefits Analysis of Technology Improvement in Light Duty Fuel Cell Vehicles Aymeric Rousseau, ANL	FE22 System Analysis of Fuel Cell Plant Configurations Gregory Hackett, National Energy Technology Laboratory
9:00 AM	MT021 Northeast Demonstration and Deployment of FCRx200 Abas Goodarzi, US Hybrid	FE23 Durable, Impermeable Solid Oxide Fuel Cell Brazes Jason Nicholas, Michigan State University
9:30 AM	SCS001 National Codes and Standards Deployment and Outreach Carl Rivkin, NREL	FE24 Development of Chromium and Sulfur Getter for Solid Oxide Fuel Cell (SOFC) Systems Prabhakar Singh, University of Connecticut
10:00 AM	SCS019 Hydrogen Safety Panel, Safety Knowledge Tools and First Responder Training Resources Nick Barilo, PNNL	FE25 Effects of Composition and Operating Conditions on the Microstructure and Performance of LSM-Based SOFC Cathodes Mark DeGuire, Case Western Reserve University
10:30 AM Break - Atrium & Thurgood Marshall Foyers		
11:00 AM	TV008 Fuel Cell Bus Evaluations Leslie Eudy, NREL	FE26 High Temperature Anode Recycle Blower for Solid Oxide Fuel Cell Jose Luis Cordova, Mohawk Innovative Technology, Inc.
11:30 AM	MT017 FedEx Express Hydrogen Fuel Cell Extended-Range Battery Electric Vehicles Phillip Galbach, FedEx Express	FE27 Minimizing Cr-Evaporation from Balance of Plant Components by Utilizing Cost-Effective Alumina-Forming Austenitic Steels Xingbo Liu, West Virginia University Research Corporation
12:00 PM	TV034 Fuel Cell Hybrid Electric Delivery Van Jason Hanlin, Center for Transportation and the Environment	
12:30 PM	HEF01 HEF Student Design Contest -- Motion+: Amphibious Yacht and Fuel Station Matthew Chen, et. al., University of Toronto and University of Florida	

Alphabetical List of Presenters

Presenter Last	Presenter First	Presenter Organization	Day/Time	Project ID	Session	Room
Aceves	Salvador	LLNL	6/13 6:30 PM	TV029	Poster	Exhibit Halls B&C
Ahluwalia	Rajesh	ANL	6/14 2:45 PM	ST001	Hydrogen Fuel R&D	Thurgood South/West
Ahluwalia	Rajesh	ANL	6/15 8:30 AM	FC017	Fuel Cell R&D	Thurgood East/North
Ahn	Channing	Liox Power	6/14 6:30 PM	ST137	Poster	Exhibit Halls B&C
Alia	Shaun	NREL	6/13 6:30 PM	TV146	Poster	Exhibit Halls B&C
Alia	Shaun	NREL	6/14 2:45 PM	FC142	Fuel Cell R&D	Thurgood East/North
Allendorf	Mark	SNL	6/14 4:15 PM	PD025	H2@Scale & Technology Acceleration	Lincoln 6
Anton	Donald	SRNL	6/14 6:30 PM	H2026	Poster	Exhibit Halls B&C
Ardo	Shane	University of California, Irvine	6/14 6:30 PM	PD125	Poster	Exhibit Halls B&C
Autrey	Tom	PNNL	6/15 10:00 AM	ST132	Hydrogen Fuel R&D	Thurgood South/West
Ayers	Kathy	Proton OnSite	6/13 5:45 PM	PD170	Hydrogen Fuel R&D	Thurgood South/West
Ayers	Kathy	Proton OnSite	6/13 6:30 PM	PD155	Poster	Exhibit Halls B&C
Barilo	Nick	PNNL	6/15 10:00 AM	SCS019	H2@Scale & Technology Acceleration	Lincoln 6
Barnett	Scott	Northwestern University	6/13 6:30 PM	PD153	Poster	Exhibit Halls B&C
Baronas	Jean	California Energy Commission	6/14 9:30 AM	IA002	Interagency Activities	Lincoln 3-4
Basu	Soumendra	Boston University	6/14 9:00 AM	FE8	FE – Solid Oxide Fuel Cells Program	Lincoln 5
Bender	Guido	NREL	6/13 3:45 PM	PD148A	Hydrogen Fuel R&D	Thurgood South/West
Bender	Guido	NREL	6/14 6:30 PM	H2001	Poster	Exhibit Halls B&C
Berry	Naveen	South Coast Air Quality Management District	6/14 9:30 AM	IA002	Interagency Activities	Lincoln 3-4
Bishop	Sean	Redox Power Systems	6/13 6:30 PM	FE053-p	Poster	Exhibit Halls B&C
Bishop	Sean	Redox Power Systems	6/14 2:45 PM	FE16	FE – Solid Oxide Fuel Cells Program	Lincoln 5
Blackburn	Bryan	Redox Power Systems	6/14 2:45 PM	FE16	FE – Solid Oxide Fuel Cells Program	Lincoln 5
Boardman	Richard	INL	6/13 4:15 PM	PD148B	Hydrogen Fuel R&D	Thurgood South/West
Boardman	Richard	INL	6/14 9:00 AM	TV040	H2@Scale & Technology Acceleration	Lincoln 6
Boardman	Richard	INL	6/14 6:30 PM	H2035	Poster	Exhibit Halls B&C
Boardman	Richard	INL	6/14 6:30 PM	H2052	Poster	Exhibit Halls B&C
Borup	Rod	LANL	6/14 8:30 AM	FC135	Fuel Cell R&D	Thurgood East/North
Broerman	Eugene	SwRI	6/14 6:30 PM	PD108	Poster	Exhibit Halls B&C
Brooks	Kriston	PNNL	6/13 6:30 PM	MT014	Poster	Exhibit Halls B&C
Brouwer	Jack	University of California, Irvine	6/14 2:15 PM	IA007	Interagency Activities	Lincoln 3-4
Burgess	Carroll	U.S. Postal Service	6/14 11:00 AM	IA003	Interagency Activities	Lincoln 3-4
Burgess	Rob	NREL	6/14 6:30 PM	H2004	Poster	Exhibit Halls B&C
Burgess	Rob	NREL	6/14 6:30 PM	H2039	Poster	Exhibit Halls B&C
Burke	Susan	Environmental Protection Agency	6/14 5:00 PM	IA012	Interagency Activities	Lincoln 3-4
Buttner	William	NREL	6/13 6:30 PM	SCS021	Poster	Exhibit Halls B&C
Capuano	Chris	Proton OnSite	6/14 6:30 PM	ARPAE01	Poster	Exhibit Halls B&C
Carreiro	Louis	Naval Undersea Warfare Center Division Newport	6/13 6:30 PM	FE067-p	Poster	Exhibit Halls B&C
Cheekatamarla	Praveen	Atrex energy	6/14 3:15 PM	FE17	FE – Solid Oxide Fuel Cells Program	Lincoln 5
Chen	Kevin	University of Pittsburgh	6/13 6:30 PM	FE051-p	Poster	Exhibit Halls B&C
Chen	Fanglin (Frank)	University of South Carolina	6/13 6:30 PM	FE052-p	Poster	Exhibit Halls B&C
Chou	Matt	Pacific Northwest National Laboratory	6/13 6:30 PM	FE079-p	Poster	Exhibit Halls B&C
Chou	Matt	Pacific Northwest National Laboratory	6/13 6:30 PM	FE080-p	Poster	Exhibit Halls B&C
Christensen	Steven	NREL	6/14 6:30 PM	ST143	Poster	Exhibit Halls B&C
Chueh	William	SLAC National Accelerator Laboratory/Stanford	6/13 6:30 PM	SLAC	Poster	Exhibit Halls B&C

Presenter Last	Presenter First	Presenter Organization	Day/Time	Project ID	Session	Room
Chung	Hoon	LANL	6/13 6:30 PM	PD158	Poster	Exhibit Halls B&C
Chung	Mike	Penn State University	6/14 6:30 PM	ST147	Poster	Exhibit Halls B&C
Connelly	Elizabeth	NREL	6/13 4:15 PM	SA059	H2@Scale & Technology Acceleration	Lincoln 6
Cordova	Jose Luis	Mohawk Innovative Technology, Inc.	6/15 11:00 AM	FE26	FE – Solid Oxide Fuel Cells Program	Lincoln 5
Corgnale	Claudio	Greenway Energy	6/13 6:30 PM	PD169	Poster	Exhibit Halls B&C
Corgnale	Claudio	Greenway Energy, Inc.	6/14 9:00 AM	PD137	Hydrogen Fuel R&D	Thurgood South/West
Dai	Sheng	ORNL	6/14 6:30 PM	ST148	Poster	Exhibit Halls B&C
Damle	Ashok	Techverse, Inc.	6/13 6:30 PM	FC189	Poster	Exhibit Halls B&C
Daniel	Claus	ORNL	6/14 10:00 AM	MN018	H2@Scale & Technology Acceleration	Lincoln 6
Danilovic	Nem	LBNL	6/13 6:30 PM	FC183	Poster	Exhibit Halls B&C
Darling	Ruthanne	Office of the Secretary of Defense	6/14 8:30 AM	IA001	Interagency Activities	Lincoln 3-4
De Guire	Mark	Case Western Reserve University	6/13 6:30 PM	FE057-p	Poster	Exhibit Halls B&C
DeBellis	Cris	LG Fuel cell System	6/13 3:45 PM	FE2	FE – Solid Oxide Fuel Cells Program	Lincoln 5
DeBellis	Crispin	LG Fuel Cell Systems, Inc.	6/13 6:30 PM	FE064-p	Poster	Exhibit Halls B&C
De Castro	Emory	Advent Technologies, Inc.	6/13 6:30 PM	FC128	Poster	Exhibit Halls B&C
DeGuire	Mark	Case Western Reserve University	6/15 10:00 AM	FE25	FE – Solid Oxide Fuel Cells Program	Lincoln 5
Denver	Jessie	City and County of San Francisco	6/13 6:30 PM	SCS030	Poster	Exhibit Halls B&C
Deutsch	Todd	NREL	6/13 6:30 PM	FC182	Poster	Exhibit Halls B&C
Dinh	Huyen	NREL	6/13 3:15 PM	PD148	Hydrogen Fuel R&D	Thurgood South/West
Dismukes	Charles	Rutgers University	6/13 6:30 PM	PD160	Poster	Exhibit Halls B&C
Dogdibegovic	Emir	Lawrence Berkeley National Laboratory	6/13 6:30 PM	FE073-p	Poster	Exhibit Halls B&C
Dosanjh	Bal	Ceres Power	6/14 1:45 PM	FE14	FE – Solid Oxide Fuel Cells Program	Lincoln 5
Driscoll	David	Glacigen Materials, Inc.	6/13 6:30 PM	FC190	Poster	Exhibit Halls B&C
Driscoll	David	Glacigen Materials, Inc.	6/13 6:30 PM	FE070-p	Poster	Exhibit Halls B&C
Drotleff	Kari	U.S. Army TARDEC	6/14 11:30 AM	IA004	Interagency Activities	Lincoln 3-4
Ehrhart	Brian	NREL/SNLF	6/13 6:30 PM	TV148	Poster	Exhibit Halls B&C
Eichman	Josh	NREL	6/14 6:30 PM	H2025	Poster	Exhibit Halls B&C
Eichman	Josh	NREL	6/14 6:30 PM	H2049	Poster	Exhibit Halls B&C
Elgowainy	Amgad	ANL	6/14 6:30 PM	H2022	Poster	Exhibit Halls B&C
Elgowainy	Amgad	ANL	6/14 11:30 AM	SA170	H2@Scale & Technology Acceleration	Lincoln 6
Elgowainy	Amgad	ANL	6/14 6:30 PM	SA039	Poster	Exhibit Halls B&C
Elrick	Bill	California Fuel Cell Partnership	6/14 5:15 PM	IA013	Interagency Activities	Lincoln 3-4
Ennis	Brandon	E&G Associates, Inc.	6/13 6:30 PM	ST151	Poster	Exhibit Halls B&C
Eudy	Leslie	NREL	6/15 11:00 AM	TV008	H2@Scale & Technology Acceleration	Lincoln 6
Ewan	Mitch	Hawaii Natural Energy Institute	6/14 3:15 PM	MT008	Interagency Activities	Lincoln 3-4
Fergus	Jeffrey	Auburn University	6/14 5:15 PM	FE20	FE – Solid Oxide Fuel Cells Program	Lincoln 5
Fitzgerald	Nichole	DOE Bioenergy Technologies Office	6/14 6:30 PM	IA020	Poster	Exhibit Halls B&C
Fultz	Brent	California Institute of Technology	6/14 6:30 PM	ST120	Poster	Exhibit Halls B&C
Gaillard	Nicolas	University of Hawaii at Manoa	6/13 6:30 PM	PD162	Poster	Exhibit Halls B&C
Gaillard	Nicolas	University of Hawaii	6/14 6:30 PM	PD116	Poster	Exhibit Halls B&C
Galbach	Phillip	FedEx Express	6/15 11:30 AM	MT017	H2@Scale & Technology Acceleration	Lincoln 6
Ganesan	Prabhu	Greenway Energy, LLC	6/13 5:45 PM	FC173	Fuel Cell R&D	Thurgood East/North

Presenter Last	Presenter First	Presenter Organization	Day/Time	Project ID	Session	Room
Gennett	Tom	NREL	6/14 4:15 PM	ST127	Hydrogen Fuel R&D	Thurgood South/West
Gennett	Thomas	NREL	6/15 9:00 AM	ST131	Hydrogen Fuel R&D	Thurgood South/West
Ghezel-Ayagh	Hossein	FuelCell Energy	6/13 3:15 PM	FE1	FE – Solid Oxide Fuel Cells Program	Lincoln 5
Ghezel-Ayagh	Hossein	FuelCell Energy	6/13 5:45 PM	TV041	H2@Scale & Technology Acceleration	Lincoln 6
Ghezel-Ayagh	Hossein	FuelCell Energy	6/14 6:30 PM	ARPAE04	Poster	Exhibit Halls B&C
Goodarzi	Abas	US Hybrid	6/15 9:00 AM	MT021	H2@Scale & Technology Acceleration	Lincoln 6
Gopalan	Srikanth	Boston University	6/13 6:30 PM	FE061-p	Poster	Exhibit Halls B&C
Gopalan	Srikanth	Boston University	6/14 4:15 PM	FE18	FE – Solid Oxide Fuel Cells Program	Lincoln 5
Gordon	Bryan	Ivys Inc.	6/14 10:00 AM	PD146	Hydrogen Fuel R&D	Thurgood South/West
Gorte	Raymond	University of Pennsylvania	6/13 6:30 PM	FE063-p	Poster	Exhibit Halls B&C
Gottesfeld	Shimshon	University of Delaware	6/14 6:30 PM	ARPAE09	Poster	Exhibit Halls B&C
Gu	Taoli	Xergy	6/13 6:30 PM	PD173	Poster	Exhibit Halls B&C
Gupta	Shalabh	Ames Laboratory	6/14 6:30 PM	ST119	Poster	Exhibit Halls B&C
Hackett	Gregory	National Energy Technology Laboratory	6/13 4:15 PM	FE3	FE – Solid Oxide Fuel Cells Program	Lincoln 5
Hackett	Gregory	National Energy Technology Laboratory	6/15 8:30 AM	FE22	FE – Solid Oxide Fuel Cells Program	Lincoln 5
Hackett	Gregory	National Energy Technology Laboratory	6/13 6:30 PM	FE074-p	Poster	Exhibit Halls B&C
Hackett	Gregory	National Energy Technology Laboratory	6/13 6:30 PM	FE075-p	Poster	Exhibit Halls B&C
Hamdan	Monjid	Giner ELX, Inc.	6/14 8:30 AM	PD136	Hydrogen Fuel R&D	Thurgood South/West
Hanlin	Jason	Center for Transportation and the Environment	6/15 12:00 PM	TV034	H2@Scale & Technology Acceleration	Lincoln 6
Hardy	John	Pacific Northwest National Laboratory	6/13 6:30 PM	FE082-p	Poster	Exhibit Halls B&C
Hardy	John	Pacific Northwest National Laboratory	6/13 6:30 PM	FE083-p	Poster	Exhibit Halls B&C
Harned	Alleyn	Virginia Clean Cities at JMU	6/13 6:30 PM	MN013	Poster	Exhibit Halls B&C
Harrison	William	Nanosonic, Inc.	6/13 6:30 PM	FC176	Poster	Exhibit Halls B&C
Harrison	Kevin	NREL	6/14 6:30 PM	H2007	Poster	Exhibit Halls B&C
Harrison	Kevin	NREL	6/14 6:30 PM	PD100	Poster	Exhibit Halls B&C
Hart	Richard	General Electric Company	6/14 12:00 PM	FE13	FE – Solid Oxide Fuel Cells Program	Lincoln 5
Haug	Andrew	3M	6/14 10:00 AM	FC155	Fuel Cell R&D	Thurgood East/North
Hecht	Ethan	SNL	6/14 2:45 PM	SCS010	H2@Scale & Technology Acceleration	Lincoln 6
Heshmat	Hooshang	Mohawk Innovative Technology, Inc	6/13 6:30 PM	FE066-p	Poster	Exhibit Halls B&C
Holladay	Jamie	PNNL	6/14 1:45 PM	PD131	H2@Scale & Technology Acceleration	Lincoln 6
Holladay	Jamie	PNNL	6/14 6:30 PM	H2012	Poster	Exhibit Halls B&C
Holladay	Jamie	PNNL	6/14 6:30 PM	H2045	Poster	Exhibit Halls B&C
Hovsapian	Rob	INL	6/13 4:45 PM	TV031	H2@Scale & Technology Acceleration	Lincoln 6
Hunter	Chad	NREL	6/14 5:45 PM	SA169	H2@Scale & Technology Acceleration	Lincoln 6
Ihnfeldt	Robin	GE&R	6/14 6:30 PM	PD172	Poster	Exhibit Halls B&C
Ingram	Brian	Argonne National Laboratory	6/13 5:45 PM	FE6	FE – Solid Oxide Fuel Cells Program	Lincoln 5
Jacobson	David	National Institute of Standards and Technology	6/14 6:30 PM	IA016	Poster	Exhibit Halls B&C
Jakupca	Ian	NASA	6/14 4:15 PM	IA009	Interagency Activities	Lincoln 3-4
James	Brian	Strategic Analysis, Inc.	6/14 3:15 PM	ST100	Hydrogen Fuel R&D	Thurgood South/West
James	Brian	Strategic Analysis, Inc.	6/14 6:30 PM	PD102	Poster	Exhibit Halls B&C
James	Brian	Strategic Analysis, Inc.	6/15 9:00 AM	FC163	Fuel Cell R&D	Thurgood East/North
Jaramillo	Thomas	Stanford University	6/13 6:30 PM	PD161	Poster	Exhibit Halls B&C

Presenter Last	Presenter First	Presenter Organization	Day/Time	Project ID	Session	Room
Johnson	Terry	SNL	6/14 9:30 AM	PD138	Hydrogen Fuel R&D	Thurgood South/West
Johnson	Justin	NREL	6/14 6:30 PM	ST142	Poster	Exhibit Halls B&C
Josefik	Nick	Army Corps of Engineers	6/14 6:30 PM	IA017	Poster	Exhibit Halls B&C
Kim	Yu Seung	LANL	6/13 6:30 PM	PD159	Poster	Exhibit Halls B&C
Kim	Yu Seung	LANL	6/15 9:30 AM	FC146	Fuel Cell R&D	Thurgood East/North
Kim	Yu Seung	LANL	6/15 11:30 AM	FC175	Fuel Cell R&D	Thurgood East/North
Kimball	Brett	Automated Dynamics	6/14 4:45 PM	MN015	H2@Scale & Technology Acceleration	Lincoln 6
Kimble	Michael	Skyhaven Systems	6/14 6:30 PM	ST140	Poster	Exhibit Halls B&C
Klebanoff	Lennie	SNL	6/14 1:45 PM	MT013	Interagency Activities	Lincoln 3-4
Koeppel	Brian	Pacific Northwest National Laboratory	6/13 6:30 PM	FE076-p	Poster	Exhibit Halls B&C
Kongkanand	Anusorn	General Motors	6/14 4:15 PM	FC144	Fuel Cell R&D	Thurgood East/North
Kort	Kenneth	DOE Advanced Manufacturing Office	6/14 6:30 PM	IA020	Poster	Exhibit Halls B&C
Kreller	Cortney	LANL	6/13 6:30 PM	FC180	Poster	Exhibit Halls B&C
Kumaraguru	Swami	General Motors	6/14 11:00 AM	FC156	Fuel Cell R&D	Thurgood East/North
Kurtz	Jennifer	NREL	6/14 6:30 PM	H2041	Poster	Exhibit Halls B&C
LaFleur	Chris	SNL	6/14 6:30 PM	H2011	Poster	Exhibit Halls B&C
LaFleur	Chris	SNL	6/14 6:30 PM	H2013	Poster	Exhibit Halls B&C
Lalli	Jennifer	NanoSonic	6/14 11:30 AM	PD149	Hydrogen Fuel R&D	Thurgood South/West
Lang	Christopher	Physical Sciences Inc.	6/13 6:30 PM	FC191	Poster	Exhibit Halls B&C
Lara-Curzio	Edgar	Oak Ridge National Laboratory	6/13 5:15 PM	FE5	FE – Solid Oxide Fuel Cells Program	Lincoln 5
Lei	Chao	Giner, Inc.	6/13 6:30 PM	FC193	Poster	Exhibit Halls B&C
Li	Lin-Feng	Bettergy Corp.	6/14 6:30 PM	ARPAE03	Poster	Exhibit Halls B&C
Litster	Shawn	Carnegie Mellon University	6/13 4:45 PM	FC171	Fuel Cell R&D	Thurgood East/North
Liu	Gao	LBNL	6/13 6:30 PM	FC179	Poster	Exhibit Halls B&C
Liu	Meilin	Georgia Institute of Technology	6/13 6:30 PM	FE054-p	Poster	Exhibit Halls B&C
Liu	Jian	PolarOnyx, Inc	6/13 6:30 PM	FE069-p	Poster	Exhibit Halls B&C
Liu	Di-Jia	ANL	6/13 6:30 PM	PD157	Poster	Exhibit Halls B&C
Liu	Xingbo	West Virginia University Research Corporation	6/14 11:30 AM	FE12	FE – Solid Oxide Fuel Cells Program	Lincoln 5
Liu	Hong	Oregon State University	6/14 6:30 PM	PD129	Poster	Exhibit Halls B&C
Liu	Di Jia	ANL	6/14 6:30 PM	ST136	Poster	Exhibit Halls B&C
Liu	Di-Jia	ANL	6/15 11:00 AM	FC174	Fuel Cell R&D	Thurgood East/North
Liu	Xingbo	West Virginia University Research Corporation	6/15 11:30 AM	FE27	FE – Solid Oxide Fuel Cells Program	Lincoln 5
Lohse-Busch	Henning	ANL	6/13 6:30 PM	TV149	Poster	Exhibit Halls B&C
Lohse-Busch	Henning	ANL	6/13 6:30 PM	TV149	Poster	Exhibit Halls B&C
Long	Jeffrey	LBNL	6/15 9:30 AM	ST133	Hydrogen Fuel R&D	Thurgood South/West
Lousenberg	Robert	Compact Membrane Systems	6/13 6:30 PM	FC184	Poster	Exhibit Halls B&C
Maness	Pin-Ching	NREL	6/14 6:30 PM	PD038	Poster	Exhibit Halls B&C
Martinez	Andrew	California Air Resources Board	6/14 9:30 AM	IA002	Interagency Activities	Lincoln 3-4
Masel	Rich	Dioxide Materials	6/14 6:30 PM	ARPAE10	Poster	Exhibit Halls B&C
Matter	Paul	pH Matter LLC	6/13 6:30 PM	FC154	Poster	Exhibit Halls B&C
Mauger	Scott	NREL	6/13 6:30 PM	MN019	Poster	Exhibit Halls B&C
Mayyas	Ahmad	NREL	6/13 6:30 PM	MN017	Poster	Exhibit Halls B&C
McDaniel	Anthony	SNL	6/13 5:15 PM	PD148D	Hydrogen Fuel R&D	Thurgood South/West
Mi	Zetian	University of Michigan	6/13 6:30 PM	PD163	Poster	Exhibit Halls B&C
Minh	Nguyen	University of California, SanDiego	6/14 2:15 PM	FE15	FE – Solid Oxide Fuel Cells Program	Lincoln 5
Mohite	Aditya	LANL	6/13 6:30 PM	PD164	Poster	Exhibit Halls B&C
Molinaro	Dave	Hawaii Center For Advanced Transportation Technologies	6/14 12:15 PM	IA006	Interagency Activities	Lincoln 3-4
Molter	Trent	Sustainable Innovations	6/13 6:30 PM	PD174	Poster	Exhibit Halls B&C
Molter	Trent	Sustainable Innovations	6/14 6:30 PM	ARPAE05	Poster	Exhibit Halls B&C
Morgan	Brad	Tetramer Technologies LLC	6/13 6:30 PM	FC186	Poster	Exhibit Halls B&C

Presenter Last	Presenter First	Presenter Organization	Day/Time	Project ID	Session	Room
Morgan	Jason	AvCarb Material Solutions, LLC	6/13 6:30 PM	FC187	Poster	Exhibit Halls B&C
Morris	William	NuMat Technologies	6/13 6:30 PM	ST149	Poster	Exhibit Halls B&C
Mukerjee	Sanjeev	Northeastern University	6/13 6:30 PM	PD156	Poster	Exhibit Halls B&C
Muna	Alice	SNL	6/13 6:30 PM	SCS011	Poster	Exhibit Halls B&C
Muna	Alice	SNL	6/14 2:15 PM	SCS025	H2@Scale & Technology Acceleration	Lincoln 6
Musgrave	Charles	University of Colorado - Boulder	6/13 6:30 PM	PD166	Poster	Exhibit Halls B&C
Myers	Deborah	ANL	6/13 3:15 PM	FC160	Fuel Cell R&D	Thurgood East/North
Natelson	Robert	DOE Bioenergy Technologies Office	6/14 6:30 PM	IA021	Poster	Exhibit Halls B&C
Nicholas	Jason	Michigan State University	6/13 6:30 PM	FE058-p	Poster	Exhibit Halls B&C
Nicholas	Jason	Michigan State University	6/15 9:00 AM	FE23	FE – Solid Oxide Fuel Cells Program	Lincoln 5
Nicollet	Clement	Massachusetts Institute of Technology	6/14 11:00 AM	FE11	FE – Solid Oxide Fuel Cells Program	Lincoln 5
Nixon	Robin	National Park Service	6/14 4:30 PM	IA010	Interagency Activities	Lincoln 3-4
Ocampo	Minette	pH Matter, LLC	6/13 6:30 PM	FC188	Poster	Exhibit Halls B&C
O'Connell	Daniel	American Fuel Cell	6/13 6:30 PM	FC177	Poster	Exhibit Halls B&C
O'Hayre	Ryan	Colorado School of Mines	6/13 6:30 PM	PD165	Poster	Exhibit Halls B&C
O'Hayre	Ryan	Colorado School of Mines	6/14 6:30 PM	ARPAE06	Poster	Exhibit Halls B&C
Onorato	Shaun	NREL	6/13 6:30 PM	TV001	Poster	Exhibit Halls B&C
O'Shaughnessy	Shannan	GVD	6/14 12:00 PM	PD150	Hydrogen Fuel R&D	Thurgood South/West
Pal	Uday	Boston University	6/13 6:30 PM	FE062-p	Poster	Exhibit Halls B&C
Pandey	Amit	LG Fuel Cell Systems, Inc.	6/13 6:30 PM	FE065-p	Poster	Exhibit Halls B&C
Parilla	Phil	NREL	6/14 6:30 PM	ST014	Poster	Exhibit Halls B&C
Penev	Michael	NREL	6/14 6:30 PM	SA063	Poster	Exhibit Halls B&C
Perry	Mike	UTRC	6/14 11:30 AM	FC157	Fuel Cell R&D	Thurgood East/North
Peters	Michael	NREL	6/14 11:00 AM	PD140	Hydrogen Fuel R&D	Thurgood South/West
Peters	Michael	NREL	6/14 6:30 PM	H2036	Poster	Exhibit Halls B&C
Peters	Michael	NREL	6/14 6:30 PM	H2050	Poster	Exhibit Halls B&C
Petitpas	Guillaume	LLNL	6/14 12:00 PM	PD135	H2@Scale & Technology Acceleration	Lincoln 6
Pietras	John	Saint-Gobain	6/13 6:30 PM	FE050-p	Poster	Exhibit Halls B&C
Pintauro	Peter	Vanderbilt University	6/14 12:00 PM	FC158	Fuel Cell R&D	Thurgood East/North
Pitts	Larry	Plug Power	6/13 6:30 PM	MT011	Poster	Exhibit Halls B&C
Pivovar	Bryan	NREL	6/13 3:15 PM	H2000	H2@Scale & Technology Acceleration	Lincoln 6
Pivovar	Bryan	NREL	6/13 6:30 PM	FC178	Poster	Exhibit Halls B&C
Pivovar	Bryan	NREL	6/15 10:00 AM	FC147	Fuel Cell R&D	Thurgood East/North
Potyrailo	Radislav	General Electric Company	6/14 5:45 PM	FE21	FE – Solid Oxide Fuel Cells Program	Lincoln 5
Prendergast	David	LBNL	6/14 5:45 PM	ST130	Hydrogen Fuel R&D	Thurgood South/West
Pyung Choi	Jung	Pacific Northwest National Laboratory	6/13 6:30 PM	FE081-p	Poster	Exhibit Halls B&C
Quong	Spencer	Electricore	6/13 6:30 PM	TV039	Poster	Exhibit Halls B&C
Radousky	Harry	Lawrence Livermore National Laboratory	6/13 6:30 PM	FE071-p	Poster	Exhibit Halls B&C
Ramani	Vijay	Washington University	6/14 4:45 PM	FC145	Fuel Cell R&D	Thurgood East/North
Read	Carole	National Science Foundation	6/14 2:30 PM	IA015	Interagency Activities	Lincoln 3-4
Recknagle	Kurtis	Pacific Northwest National Laboratory	6/13 6:30 PM	FE077-p	Poster	Exhibit Halls B&C
Ricketson	Sean	Federal Transit Administration	6/14 2:45 PM	IA008	Interagency Activities	Lincoln 3-4
Rinebold	Joel	Connecticut Center for Advanced Technology	6/14 5:15 PM	IA013	Interagency Activities	Lincoln 3-4
Rivkin	Carl	NREL	6/15 9:30 AM	SCS001	H2@Scale & Technology Acceleration	Lincoln 6
Rockward	Tommy	LANL	6/14 5:15 PM	SCS007	H2@Scale & Technology Acceleration	Lincoln 6

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Roeder	Jeffrey	Sonata LLC	6/13 6:30 PM	FE084-p	Poster	Exhibit Halls B&C
Roeder	Jeffrey	Sonata LLC	6/13 6:30 PM	FE085-p	Poster	Exhibit Halls B&C
Rogers	Paul	U.S. Army TARDEC	6/14 8:30 AM	IA001	Interagency Activities	Lincoln 3-4
Ronevich	Joe	SNL	6/14 4:15 PM	PD025	H2@Scale & Technology Acceleration	Lincoln 6
Rousseau	Aymeric	ANL	6/15 8:30 AM	SA044	H2@Scale & Technology Acceleration	Lincoln 6
Ruth	Mark	NREL	6/13 3:15 PM	H2000	H2@Scale & Technology Acceleration	Lincoln 6
Ruth	Mark	NREL	6/13 3:45 PM	TV045	H2@Scale & Technology Acceleration	Lincoln 6
San Marchi	Chris	SNL	6/13 6:30 PM	SCS005	Poster	Exhibit Halls B&C
Satyapal	Sunita	DOE Fuel Cell Technologies Office	6/14 8:30 AM	IA001	Interagency Activities	Lincoln 3-4
Saur	Genevieve	NREL	6/14 8:30 AM	TV042	H2@Scale & Technology Acceleration	Lincoln 6
Sbrockey	Nick	Structured Materials Industries, Inc	6/13 6:30 PM	FE068-p	Poster	Exhibit Halls B&C
Schwartz	Viviane	DOE Office of Basic Energy Sciences	6/14 6:30 PM	IA014	Poster	Exhibit Halls B&C
Severa	Godwin	University of Hawaii	6/15 11:00 AM	ST138	Hydrogen Fuel R&D	Thurgood South/West
Shao	Yuyan	PNNL	6/13 5:15 PM	FC172	Fuel Cell R&D	Thurgood East/North
Shyne	Rickey	NASA	6/14 8:30 AM	IA001	Interagency Activities	Lincoln 3-4
Siegel	Don	University of Michigan	6/14 6:30 PM	ST144	Poster	Exhibit Halls B&C
Siegel	Don	University of Michigan	6/15 11:30 AM	ST122	Hydrogen Fuel R&D	Thurgood South/West
Simmons	Kevin	PNNL	6/14 3:15 PM	SCS026	H2@Scale & Technology Acceleration	Lincoln 6
Simmons	Kevin	PNNL	6/14 6:30 PM	H2030	Poster	Exhibit Halls B&C
Singh	Prabhakar	University of Connecticut	6/13 6:30 PM	FE060-p	Poster	Exhibit Halls B&C
Singh	Prabhakar	University of Connecticut	6/13 6:30 PM	PD152	Poster	Exhibit Halls B&C
Singh	Prabhakar	University of Connecticut	6/14 4:45 PM	FE19	FE – Solid Oxide Fuel Cells Program	Lincoln 5
Singh	Prabhakar	University of Connecticut	6/15 9:30 AM	FE24	FE – Solid Oxide Fuel Cells Program	Lincoln 5
Siriwardane	Ranjani	National Energy Technology Laboratory	6/14 6:30 PM	IA022	Interagency Activities	Exhibit Halls B&C
Skandan	Ganesh	NEI Corporation	6/13 6:30 PM	ST150	Poster	Exhibit Halls B&C
Smith	Owen	NREL	6/14 6:30 PM	PD100	Poster	Exhibit Halls B&C
Song	Xueyan	West Virginia University	6/13 6:30 PM	FE055-p	Poster	Exhibit Halls B&C
Song	Xueyan	West Virginia University Research Corporation	6/14 9:30 AM	FE9	FE – Solid Oxide Fuel Cells Program	Lincoln 5
Spendelow	Jacob	LANL	6/13 6:30 PM	FC181	Poster	Exhibit Halls B&C
Spendelow	Jacob	LANL	6/14 5:15 PM	FC161	Fuel Cell R&D	Thurgood East/North
Sprick	Sam	NREL	6/14 11:00 AM	TV017	H2@Scale & Technology Acceleration	Lincoln 6
Srinivas	Girish	TDA Research, Inc.	6/13 6:30 PM	FC192	Poster	Exhibit Halls B&C
Stamenkovic	Vojislav	ANL	6/14 1:45 PM	FC140	Fuel Cell R&D	Thurgood East/North
Stavila	Vitalie	SNL	6/15 8:30 AM	ST128	Hydrogen Fuel R&D	Thurgood South/West
Stechel	Ellen	Arizona State University	6/13 6:30 PM	PD168	Poster	Exhibit Halls B&C
Steffens	Sophia	University of California, Berkeley	6/14 6:30 PM	ST145	Poster	Exhibit Halls B&C
Steinbach	Andrew	3M	6/14 3:15 PM	FC143	Fuel Cell R&D	Thurgood East/North
Stevenson	Jeff	Pacific Northwest National Lab	6/13 4:45 PM	FE4	FE – Solid Oxide Fuel Cells Program	Lincoln 5
Stevenson	Jeffry	Pacific Northwest National Laboratory	6/13 6:30 PM	FE078-p	Poster	Exhibit Halls B&C
Stroman	Richard	Naval Research Laboratory	6/14 12:00 PM	IA005	Interagency Activities	Lincoln 3-4
Tamburello	David	SRNL	6/15 12:00 PM	ST008	Hydrogen Fuel R&D	Thurgood South/West
Tarver	Jacob	NREL	6/14 6:30 PM	ST135	Poster	Exhibit Halls B&C
Terlip	Danny	NREL	6/14 6:30 PM	H2021	Poster	Exhibit Halls B&C

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Tucker	Michael	Lawrence Berkeley National Laboratory	6/13 6:30 PM	FE072-p	Poster	Exhibit Halls B&C
Turchetta	Diane	Federal Highway Administration	6/14 4:45 PM	IA011	Interagency Activities	Lincoln 3-4
Ulsh	Michael	NREL	6/14 9:30 AM	MN001	H2@Scale & Technology Acceleration	Lincoln 6
Ulsh	Michael	NREL	6/14 6:30 PM	H2006	Poster	Exhibit Halls B&C
Valente	Patrick	Ohio Fuel Cells Coalition	6/13 6:30 PM	MN012	Poster	Exhibit Halls B&C
Valente	Pat	Ohio Fuel Cell Coalition	6/14 5:15 PM	IA013	Interagency Activities	Lincoln 3-4
Vesely	Charles	Cummins Power Generation	6/14 1:45 PM	FE14	FE – Solid Oxide Fuel Cells Program	Lincoln 5
Vijayagopal	Ram	ANL	6/13 6:30 PM	TV150	Poster	Exhibit Halls B&C
Vijayagopal	Ram	ANL	6/13 6:30 PM	TV150	Poster	Exhibit Halls B&C
Wagener	Earl	Tetramer Technologies LLC	6/14 2:15 PM	PD151	Hydrogen Fuel R&D	Thurgood South/West
Waldecker	Jim	Ford Motor Co.	6/14 5:45 PM	FC162	Fuel Cell R&D	Thurgood East/North
Walker	Robert	Montana State University	6/13 6:30 PM	FE059-p	Poster	Exhibit Halls B&C
Wang	Wensheng	Atrex energy	6/14 8:30 AM	FE7	FE – Solid Oxide Fuel Cells Program	Lincoln 5
Wang	Jia	BNL	6/14 2:15 PM	FC141	Fuel Cell R&D	Thurgood East/North
Ward	Patrick	SRNL	6/14 6:30 PM	ST134	Poster	Exhibit Halls B&C
Weber	Adam	LBNL	6/13 4:45 PM	PD148C	Hydrogen Fuel R&D	Thurgood South/West
Wei	Max	LBNL	6/13 5:15 PM	TV043	H2@Scale & Technology Acceleration	Lincoln 6
Weimer	Alan	University of Colorado Boulder	6/14 6:30 PM	PD114	Poster	Exhibit Halls B&C
Weisenberger	Matthew	University of Kentucky	6/14 6:30 PM	ST146	Poster	Exhibit Halls B&C
Wilkes	Dana	National Oceanic and Atmospheric Administration	6/14 6:30 PM	IA019	Poster	Exhibit Halls B&C
Willauer	Heather	Naval Research Laboratory	6/14 6:30 PM	IA018	Poster	Exhibit Halls B&C
Wolverton	Chris	Northwestern University	6/13 6:30 PM	PD167	Poster	Exhibit Halls B&C
Wood	Brandon	LLNL	6/14 5:15 PM	ST129	Hydrogen Fuel R&D	Thurgood South/West
Xu	Hui	Giner, Inc.	6/13 4:15 PM	FC170	Fuel Cell R&D	Thurgood East/North
Xu	Hui	Giner, Inc.	6/13 6:30 PM	FC117	Poster	Exhibit Halls B&C
Xu	Hui	Giner, Inc.	6/13 6:30 PM	FC129	Poster	Exhibit Halls B&C
Xu	Hui	Giner, Inc.	6/13 6:30 PM	FC185	Poster	Exhibit Halls B&C
Xu	Hui	Giner, Inc.	6/14 1:45 PM	PD143	Hydrogen Fuel R&D	Thurgood South/West
Xu	Hui	Giner, Inc.	6/14 6:30 PM	ARPAE07	Poster	Exhibit Halls B&C
Yelvington	Paul	Mainstream	6/15 12:00 PM	MN016	Fuel Cell R&D	Thurgood East/North
Zelenay	Piotr	LANL	6/13 3:15 PM	FC160	Fuel Cell R&D	Thurgood East/North
Zhao	Feng	Storagenergy	6/14 6:30 PM	ARPAE08	Poster	Exhibit Halls B&C
Zhong	Yu	Worcester Polytechnic Institute	6/13 6:30 PM	FE086-p	Poster	Exhibit Halls B&C
Zhou	Xiao-Dong	University of Louisiana at Lafayette	6/14 10:00 AM	FE10	FE – Solid Oxide Fuel Cells Program	Lincoln 5
Zhu	Jiahong	Tennessee Technological University	6/13 6:30 PM	FE056-p	Poster	Exhibit Halls B&C
Zhu	Tianli	United Technologies Research Center	6/13 6:30 PM	PD154	Poster	Exhibit Halls B&C