

AGENDA

FY16 Solid Oxide Fuel Cells Program Peer Review – April 25-26, 2016
FY16 Turbines Program Peer Review – April 27-29, 2016
Sheraton Pittsburgh Hotel at Station Square
Pittsburgh, Pennsylvania, USA

Monday, April 25, 2016 – Ellwood Room (Solid Oxide Fuel Cells Program)

- 7:00 – 8:00 a.m. **Registration – 2nd Floor Foyer**
- 8:00 – 8:30 a.m. **Peer Review Panel Kickoff Session – Solid Oxide Fuel Cells**
Open to National Energy Technology Laboratory (NETL) and ASM International staff only
- ASM International Welcome
 - Role of Panel Chair
 - Technology Manager / Division Director, Systems Engineering & Analysis (SEA) Team and Panel Question and Answer
 - Peer Review Process and Meeting Logistics
- 8:30 – 9:00 a.m. **01 – Project # FWP-FY16 Fuel Cells – Fuel Cells**
Gregory Hackett – National Energy Technology Laboratory (NETL-ORD)
- 9:00 – 9:45 a.m. Q&A
- 9:45 – 11:00 a.m. Discussion
- 11:00 – 12:00 p.m. **Lunch (on your own)**
- 12:00 – 12:30 p.m. **02 – Project # FE0023385 – Materials and Approaches for the Mitigation of SOFC Cathode Degradation in SOFC Power Systems**
Prabhakar Singh – University of Connecticut
- 12:30 – 1:15 p.m. Q&A
- 1:15 – 2:30 p.m. Discussion
- 2:30 – 2:45 p.m. **BREAK**
- 2:45 – 3:15 p.m. **03 – Project # FE0026098 – Advanced Materials and Manufacturing Processes for MW-Scale SOFC Power Systems for Improved Stack Reliability, Durability, and Cost**
Charles Osborne – LG Fuel Cell Systems Inc.
- 3:15 – 4:00 p.m. Q&A
- 4:00 – 5:15 p.m. Discussion

Tuesday, April 26, 2016 – Ellwood Room (Solid Oxide Fuel Cells Program)

7:00 – 8:00 a.m.	Registration – 2nd Floor Foyer
8:00 – 8:30 a.m.	04 – Project # FWP-FEAA121 – Reliability of Materials and Components for Solid Oxide Fuel Cells <i>Edgar Lara-Curzio – Oak Ridge National Laboratory (ORNL)</i>
8:30 – 9:15 a.m.	Q&A
9:15 – 10:30 a.m.	Discussion
10:30 – 10:45 a.m.	BREAK
10:45 – 11:15 a.m.	05 – Project # FE0026093– Innovative SOFC Technologies <i>Hossein Ghezeli-Ayagh – FuelCell Energy Inc. (FCE)</i>
11:15 – 12:00 p.m.	Q&A
12:00 – 1:15 p.m.	Discussion
1:15 – 2:15 p.m.	Lunch (on your own)
2:15 – 2:45 p.m.	06 – Project # FWP-66841 – SECA Core Technology Program - PNNL <i>Jeff Stevenson and Brian Koepfel – Pacific Northwest National Laboratory (PNNL)</i>
2:45 – 3:30 p.m.	Q&A
3:30 – 4:45 p.m.	Discussion
4:45 – 5:00 p.m.	BREAK
5:00 – 6:00 p.m.	Solid Oxide Fuel Cells Program Peer Review Wrap-up Session

Wednesday, April 27, 2016 – Ellwood Room (Turbines Program)

- 8:00 – 9:00 a.m. **Registration – 2nd Floor Foyer**
- 9:00 – 9:30 a.m. **Peer Review Panel Kickoff Session – Turbines**
Open to National Energy Technology Laboratory (NETL) and ASM International staff only
- ASM International Welcome
 - Role of Panel Chair
 - Technology Manager / Division Director, Systems Engineering & Analysis (SEA) Team and Panel Question and Answer
 - Peer Review Process and Meeting Logistics
- 9:30 – 10:00 a.m. **07 – Project # FE0011762 – Evaluation of Flow and Heat Transfer Inside Lean Pre-Mixed Combustor Systems Under Reacting Flow Conditions**
Srinath Ekkad and David Gomez-Ramirez – Virginia Polytechnic Institute and State University
- 10:00 – 10:45 a.m. Q&A
- 10:45 – 12:00 p.m. Discussion
- 12:00 – 1:00 p.m. **Lunch (on your own)**
- 1:00 – 1:30 p.m. **08 – Project # FE0025174 – Investigation of Autoignition and Combustion Stability of High Pressure Supercritical Carbon Dioxide Oxycombustion**
Wenting Sun – Georgia Tech Research Corporation
- 1:30 – 2:15 p.m. Q&A
- 2:15 – 3:30 p.m. Discussion

Thursday, April 28, 2016 – Ellwood Room (Turbines Program)

7:00 – 8:00 a.m.	Registration – 2nd Floor Foyer
8:00 – 8:30 a.m.	09 – Project # FWP-FEAA122 – High-Performance Thermal Barrier Coatings <i>Bruce Pint – Oak Ridge National Laboratory (ORNL)</i>
8:30 – 9:15 a.m.	Q&A
9:15 – 10:30 a.m.	Discussion
10:30 – 10:45 a.m.	BREAK
10:45 – 11:15 a.m.	10 – Project # FE0025011 – Improving Turbine Efficiencies Through Heat Transfer and Aerodynamic Research in the Steady Thermal Aero Research Turbine (START) <i>Karen Thole – Pennsylvania State University</i>
11:15 – 12:00 p.m.	Q&A
12:00 – 1:15 p.m.	Discussion
1:15 – 2:15 p.m.	Lunch (on your own)
2:15 – 2:45 p.m.	11 – Project # FWP-2012.03.02 – Turbine Thermal Management (Pressure Gain and Combustion) <i>Donald Ferguson and Peter Strakey – National Energy Technology Laboratory (NETL-ORD)</i>
2:45 – 3:30 p.m.	Q&A
3:30 – 4:45 p.m.	Discussion

Friday, April 29, 2016 – Ellwood Room (Turbines Program)

7:00 – 8:00 a.m.	Registration – 2nd Floor Foyer
8:00 – 8:30 a.m.	12 – Project # FE0025495 – Understanding Transient Combustion Phenomena in Low-NO_x Gas Turbines <i>Jacqueline O'Connor – Pennsylvania State University</i>
8:30 – 9:15 a.m.	Q&A
9:15 – 10:30 a.m.	Discussion
10:30 – 10:45 a.m.	BREAK
10:45 – 11:45 a.m.	Turbines Program Peer Review Wrap-Up Session