

# AGENDA

## **FY14 Hydrogen Turbines Peer Review**

**April 14 – 15, 2014**

**Sheraton Station Square  
Pittsburgh, PA**

**Monday, April 14, 2014 –**

- 7:00 – 8:00 a.m.      **Registration –**
- 8:00 – 9:00 a.m.      **Peer Review Panel Kick-Off Meeting**  
Open to National Energy Technology Laboratory (NETL) and American Society of Mechanical Engineers (ASME) staff only
- Peer Review Process Overview – Dave Wildman, LTI
  - Meeting Logistics – Dave Wildman, LTI
  - Review of ASME Process – Michael Tinkleman, ASME
  - Role of Panel Chair – Chair, ASME
- 9:00 – 9:15 a.m.      **Technology Manager and Panel Q&A** Open to NETL and ASME staff only
- Hydrogen Turbines Technology Manager – Richard Dennis, NETL
- 9:15 – 9:30 a.m.      **BREAK**
- 9:30 – 10:00 a.m.      **01 – Project # OPPB/PD-1 – Assessment of Supercritical CO<sub>2</sub> Cycles**  
*Presenter, National Energy Technology Laboratory*
- 10:00 – 10:30 a.m.      Q&A
- 10:30 – 11:45 a.m.      Discussion
- 11:45 – 12:45 p.m.      **Lunch (on your own)**
- 12:45 – 1:15 p.m.      **02 – Project # FE0011822 – Effects of Exhaust Gas Recirculation (EGR) on Turbulent Combustion and Emissions in Advanced Gas Turbine Combustors with High-Hydrogen-Content (HHC) Fuels**  
*Presenter, Purdue University*
- 1:15 – 1:45 p.m.      Q&A
- 1:45 – 3:00 p.m.      Discussion
- 3:00 – 3:15 p.m.      **BREAK**
- 3:15 – 3:45 p.m.      **03 – Project # FE0011875 – Thermally Effective and Efficient Cooling Technologies for Advanced Gas Turbines**  
*Presenter, University of North Dakota*
- 3:45 – 4:15 p.m.      Q&A
- 4:15 – 5:30 p.m.      Discussion

## Tuesday, April 15, 2014 –

- 7:00 – 8:00 a.m.      **Registration –**
- 8:00 – 8:30 a.m.      **04 – Project # FWP-2012.03.02 Tasks 2, 3 and 4 – Turbine Thermal Management: Near Surface Embedded Micro-channel (NSEMC) Concept**  
*Mary Anne Alvin, Minking Chyu, Iver Anderson, and Jill Klinger, National Energy Technology Laboratory*
- 8:30 – 9:00 a.m.      Q&A
- 9:00 – 10:15 a.m.      Discussion
- 10:15 – 10:30 a.m.      **BREAK**
- 10:30 – 11:00 a.m.      **05 – Project # FWP-FEAA112 – Materials Issues in Supercritical Carbon Dioxide**  
*Bruce A. Pint, Oak Ridge National Laboratory*
- 11:00 – 11:30 a.m.      Q&A
- 11:30 – 12:45 p.m.      Discussion
- 12:45 – 1:45 p.m.      **Lunch (on your own)**
- 1:45 – 2:30 p.m.      **06 – Project # FC26-05NT42644 – Recovery Act: Advanced Hydrogen Turbine Development**  
*Presenter, Siemens Energy, Inc.*
- 2:30 – 3:15 p.m.      Q&A
- 3:15 – 4:30 p.m.      Discussion
- 4:30 – 4:45 p.m.      **BREAK**
- 4:45 – 6:15 p.m.      **Wrap-up Session**