



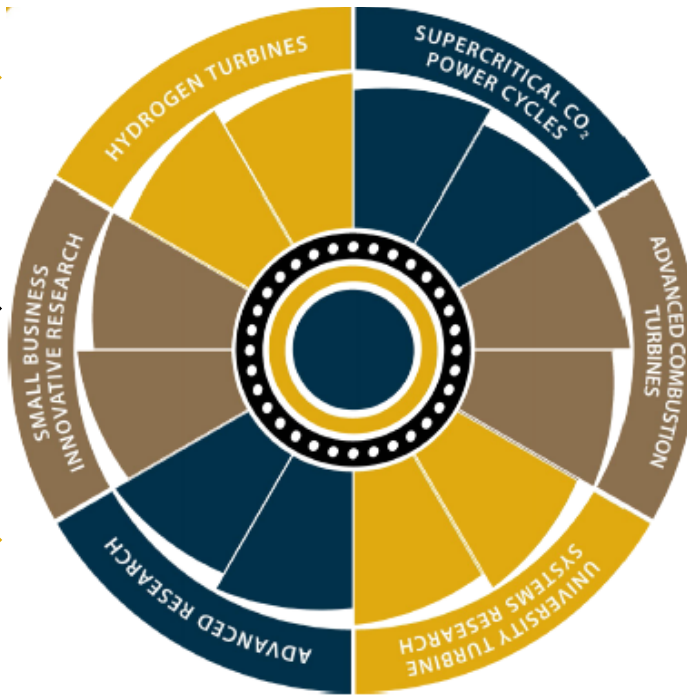
Driving Innovation ♦ Delivering Results



# 2015 University Turbine Systems Research Workshop

## Co-Chairs

- Tim Lieuwen; GA Tech
- Rich Dennis; U.S. DOE NETL



November 3, 2015



U.S. DEPARTMENT OF  
**ENERGY**

National Energy  
Technology Laboratory



- **Advance the goals of the FE Advanced Turbine (AT) Program**
  - Advance these goals by reviewing key AT program projects
  - Three key technology areas for the AT program:
    - **Advanced Combustion turbines for 65 % CC efficiency**
    - **Turbomachinery for SCO<sub>2</sub> power cycles**
    - **Pressure gain combustion**
- **Workshop theme: *Advanced Manufacturing for Gas Turbines***
  - Use advanced manufacturing technology to realize program goals

# Panels and Key Note Speakers

*Supporting the Workshop Theme: Advanced Manufacturing for Gas Turbines*



- **Panel: OEM Perspectives on Advanced Manufacturing Technology**
  - Bryan Dods - GE Power & Water
  - Allister James - Siemens Energy
  - Bob Provitola - Mitsubishi Hitachi Power Systems Americas
  - Bill Brindley – Pratt & Whitney
  - Karl Wygant - Samsung Techwin America
  - David Teraji - Solar Turbines
- **Panel: Developers and Practitioners of Advanced Manufacturing Technology**
  - Mike Aller - Energy Florida / CAPE Project
  - Tim Simpson - Innovative Materials Proc. through Direct Digital Deposition, PSU
  - Bruce Pint – Oak Ridge National Laboratory
  - Suman Das – Director Direct Digital Manufacturing Laboratory, GA Tech
  - Sanjay Sampath – Dir. Thermal Spray Research, Stony Brook University
- **Key Note**
  - Thomas Kurfess - Chair in Fluid Power and Motion Control, GA Tech
- **Dinner Speaker**
  - David Garrison – VP-Engineering, Quality and Planning, Delta Airlines

# Upcoming Events



## EPRI INTERNATIONAL CONFERENCE ON CORROSION IN POWER PLANTS

October 13 – 15, 2015 • Hilton Mission Bay • San Diego, California USA



NETL-EPRI WORKSHOP ON HEAT EXCHANGERS FOR SUPERCRITICAL CO<sub>2</sub> POWER CYCLES

October 15, 2015 • Co-located with EPRI International Conference on Corrosion in Power Plants

## 2015 UNIVERSITY TURBINE SYSTEMS RESEARCH WORKSHOP

November 3-5, 2015

Georgian Terrace Hotel , Atlanta, Georgia



U.S. Department of Energy | Office of Fossil Energy | National Energy Technology Laboratory | Georgia Institute of Technology



20 ASME  
16 POWER & ENERGY  
JUNE 26-30, 2016

CHARLOTTE CONVENTION CENTER | CHARLOTTE, NC USA | [GO.ASME.ORG/POWERENERGY](http://GO.ASME.ORG/POWERENERGY)

ASME IGTI GAS TURBINE FORUM 2016



## TURBO EXPO

Turbomachinery Technical Conference & Exposition

Presented by the ASME International Gas Turbine Institute

CONFERENCE June 13 - 17, 2016 EXHIBITION June 14 - 16, 2016

COEX Convention & Exhibition Center, Seoul, South Korea

The 5<sup>th</sup> International



Supercritical CO<sub>2</sub>  
Power Cycles  
Symposium

will be held

March 29 to 31, 2016

in

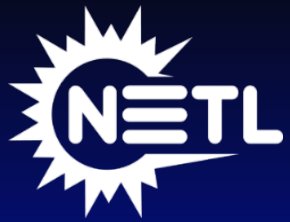
San Antonio, Texas



National Energy Technology Laboratory



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