

**Wednesday, September 30, 2020**

Moderator: Barbara Carney, NETL

10:00 AM **High Temperature Gas Sensor for Coal Combustion System**  
Xingbo Liu, West Virginia University

10:30 AM **High Temperature Electrochemical Sensors for In-Situ Corrosion Monitoring in Coal-Based Power Generation Boilers**  
Xingbo Liu, West Virginia University

11:00 AM **Ultrasonic Measurements of Temperature Profile and Heat Fluxes in Coal-Fired Power Plants**  
Mikhail Skliar, University of Utah

11:30 AM **Mid Infra-Red Laser Sensor for Continuous Sulfur Trioxide Monitoring to Improve Coal-Fired Power Plant Performance During Flexible Operations**  
Jason Kriesel, Opto-Knowledge Systems

12:00 PM **Technology Maturation of Wireless Harsh-Environment Sensors for Improved Condition-Based Monitoring of Coal-Fired Power Generation**  
Mauricio Pereira da Cunha, University of Maine

12:30 PM **Break**

Moderator: Matthew Adams, NETL

1:00 PM **Advanced Anti-Fouling Coatings to Improve Coal-Fired Condenser Efficiency**  
Matthew Nakatsuka, Oceanit Laboratories

1:30 PM **Scenarios of Future Implications for Existing and New Coal Plants or Flexible Coal Plants Base Study**  
Marc Turner, Leidos

2:00 PM **Dynamic Power Plant Modeling for Flexible Operations**  
Steve Zitney, NETL

2:30 PM **Boiler Modeling for Flexible Operations**  
Chris Guenther, NETL



**TRANSFORMATIVE POWER GENERATION  
PROJECT REVIEW MEETING  
Virtual Agenda  
Wednesday, September 30, 2020**

- 3:00 PM **Online System ID for Predicting Power Plant Performance Throughout Cycling Operations**  
Larry Shadle, NETL
- 3:30 PM **Adjourn**

