

TRANSFORMATIONAL POWER GENERATION TUESDAY APRIL 21					
Organization	PI	Title			
7:00 AM	REGISTRATION AND BREAKFAST				
7:30 AM					
8:00 AM	KEYNOTES				
8:30 AM					
9:00 AM					
9:30 AM	BREAK				
10:00 AM	Improvements for Existing Plants				
10:30 AM	GE Steam Power, Inc.	Stanley Boguszewski	Extended Low Load Boiler Operation to Improve Performance and Economics of an Existing Coal Fired Power Plant		
11:00 AM	Opto-Knowledge Systems, Inc.	Jason Kriesel	Mid Infra-Red Laser Sensor for Continuous Sulfur Trioxide Monitoring to improve Coal-Fired Power Plant Performance During Flexible Operations		
11:30 AM	Microbeam Technologies, Inc.	Shuchita Patwardhan	Improving Coal Fired Plant Performance through Integrated Predictive and Condition-Based Monitoring Tools		
NOON	LUNCH				
	Improvements for Existing Plants				
1:00 PM	University of Maine System	Mauricio Pereira da Cunha	Technology Maturation of Wireless Harsh-Environment Sensors for Improved Condition-Based Monitoring of Coal-Fired Power Generation		
1:30 PM	West Virginia University Research Corporation	Xingbo Liu	High Temperature Electrochemical Sensors for In-Situ Corrosion Monitoring in Coal-Based Power Generation Boilers		
2:00 PM	Reaction Engineering International	Marc Cremer	Combustion Performance and Emissions Optimization Through Integration of a Miniaturized High-Temperature Multi Process Monitoring System		
2:30 PM	University of Utah	Mikhail Skliar	Ultrasonic Measurements of Temperature Profile and Heat Fluxes in Coal-Fired Power Plants		
3:00 PM	BREAK				
	Improvements for Existing Plants				
3:30 PM	Electric Power Research Institute, Inc.	Kent Coleman	Integrated Boiler Management through Advanced Condition Monitoring and Component Assessment		
4:00 PM	Electric Power Research Institute, Inc.	Horst Hack	Evaluation of Steam Cycle Upgrades to Improve the Competitiveness of U.S. Coal Power Plants		
4:30 PM	Oceanit Laboratories, Inc.	Matthew Nakatsuka	Advanced Anti-Fouling Coatings to Improve Coal-Fired Condenser Efficiency		
5:00:00 PM - 7:30 PM	POSTER SESSION				

	Organization	PI	Title
7:00 AM	REGISTRATION AND BREAKFAST		
7:30 AM			
8:00 AM			
8:30 AM			
9:00 AM			
9:30 AM			
10:00 AM	BREAK		
10:30 AM			
11:00 AM			
11:30 AM			
NOON	LUNCH		
	TRANSFORMATIONAL POWER GENERATION WEDNESDAY APRIL 22		
1:00 PM	NETL	NETL SEA/EMAT/E PAT	Scenarios of Future Implications for Existing and new Coal Plants or Flexible Coal Plants - Baseline Study
1:30 PM	NETL	Zitney	Dynamic Power Plant Modeling for Flexible Operations
2:00 PM	NETL	Guenther	Boiler Modeling for Flexible Operations
2:30 PM	NETL	Shadle	Online System ID for Predicting Power Plant Performance Throughout Cycling Operations
3:00 PM	BREAK		
	Chemical Looping Combustion & Pressure Gain Combustion		
3:30 PM	University of Utah	Kevin J. Whitty	Development of Enabling Technologies for Chemical Looping Combustion and Chemical Looping with Oxygen Uncoupling
4:00 PM	University of North Dakota Energy and Environmental Research Center (UNDEERC)	Junior Nasah	Low-Cost and Recyclable Oxygen Carrier and Novel Process for Chemical Looping Combustion
4:30 PM	University of Central Florida	Dr. Kareem Ahmed	Advanced Cost-Effective Coal-Fired Rotating Detonation Combustor for High Efficiency Power Generation

TRANSFORMATIONAL POWER GENERATION THURSDAY APRIL 23			
	Organization	PI	Title
7:00 AM	REGISTRATION AND BREAKFAST		
7:30 AM			
	Oxy-combustion		
8:00 AM	Southwest Research Institute (SwRI)	Joshua Schmitt	Flameless Pressurized Oxy-Combustion Large Pilot Design, Construction, and Operation
8:30 AM	Southwest Research Institute (SwRI)	Joshua Schmitt	Particle Separator for Improved Flameless Pressurized Oxy-Combustion
9:00 AM	Brigham Young University	Dr. Bradley Adams	Development of Enabling Technologies for a Pressurized Dry Feed Oxy-Coal Reactor
9:30 AM	University of Texas at El Paso	Dr. Ahsan Choudhuri	Technology Demonstration of a High Pressure Swirl Oxy-Coal Combustor
10:00 AM	BREAK		
	Oxy-combustion		
10:30 AM	University of Illinois at Urbana-Champaign	Yongqi Lu	Catalytic Removal of Oxygen and Pollutants in Exhaust Gases from Pressurized Oxy-Combustors
11:00 AM	Reaction Engineering International	Kevin Davis	Characterizing Impacts of Dry Coal Feeding in High Pressure Oxy-Coal Combustion Systems
11:30 AM	TDA Research, Inc.	Gokhan Alptekin	Oxy-Combustion System Process Optimization
NOON	LUNCH		
1:00 PM			
1:30 PM			
2:00 PM			
2:30 PM			
3:00 PM	BREAK		
3:30 PM			
4:00 PM			
4:30 PM			