

# 2018 NOx-Combustion-CCR Round Table

February 19-20, 2018; Marriott St. Louis Airport Hotel, St. Louis, MO



## February 19, 2018 - Monday - NOx-Combustion-CCR Round Table

Registration - Continental Breakfast & Breaks in expo from 7:00 am to 6:30 pm (Grand Ballroom A)				
8:00-9:00	Training Class 1 (Salon 3)	Workshop 1 (Salon 4)	Workshop 2 (Salon 1-2)	Workshop 3 (Salon 5)
	<b>SCR O&amp;M 101</b> <i>by Ron Richard, RE Consulting</i>	<b>An Economics-Based Approach to SCR Catalyst Cleaning</b> <i>by Michael Ware, Thompson Industrial Services</i>	<b>LaCygne Unit 1 and 2 SCR Reactor Design Features and Catalyst Management Comparison</b> <i>by Scott Hiedeman KCPL and Noel Rosha, CERAM</i>	<b>Federal Regulatory Update: Rulemakings and Litigation (2018)</b> <i>by Michael Goo, AJW</i>
9:15-10:15	Training Class 2 (Salon 3)	Workshop 4 (Salon 4)	Workshop 5 (Salon 1-2)	Workshop 6 (Salon 5)
	<b>Ammonia Injection and Mixing Systems 101 (Coal &amp; Gas)</b> <i>by Kanthan Rajendran, Airflow Sciences</i>	<b>Improved On-Line Catalyst Cleaning with the Latest Acoustic Cleaner Technology</b> <i>by Jake Shelton, Acoustic Cleaning Systems &amp; Sean Ellifritz, Dominion</i>	<b>Catalyst Deactivation Mechanisms</b> <i>by Chris DiFrancesco, Cormetech</i>	<b>Safety Issues</b> <i>by Michael Shipman, FirstEnergy and Darren Hanby, AEP</i>
10:15-11:00	Break in Exhibition Hall (Grand Ballroom A)			
11:00-12:00	Training Class 3 (Salon 3)	Workshop 7 (Salon 4)	Workshop 8 (Salon 1-2)	Workshop 9 (Salon 5)
	<b>Hydrated Lime Injection Upstream of the SCR to Mitigate SO<sub>3</sub></b> <i>by Mark Thomas, Mark Thomas &amp; Assoc</i>	<b>Addressing the Root Cause of Catalyst Pluggage</b> <i>by Greg Holscher, CERAM</i>	<b>Mitigating Arsenic Poisoning of SCR Catalyst from Burning Gibson IB Coal</b> <i>by Jason Bookout, Southern Company</i>	<b>Methodology for Determination of Annual Plant Heat Rate</b> <i>by Tony Licata, Licata Energy</i>
12:00-1:30	Lunch in Exhibition Hall (Grand Ballroom A)			
General Session (Grand Pavillon)				
1:30-2:45	<b>Welcome/Presentation of Round Table Award to Randy Fields, Dynege and Gary Tonnemacher, Breen</b> <i>by Susan Reinhold, Reinhold Environmental</i> <b>Keynote: Changes and Challenges in Our Industry</b> <i>by James R. Kipp, VP and General Manager Plant Operations for Dynege</i>			
3:00-4:00	Training Class 4 (Salon 3)	Panel I (Salon 1-2)		
	<b>Coal to Gas Conversion 101</b> <i>by Kevin Davis, REI</i>	<b>Ammonia Mixing Issues - Lessons Learned</b> <i>Chairman: Darren Hanby, AEP / Panelists: Matt Wilson, TVA; Adam Hoalcraft, FirstEnergy; Kyle Neidig, MHPS; Kanthan Rajendran, Airflow Sciences; Larry Muzio, FERCo</i>		
4:00-4:30	Break in Exhibition Hall (Grand Ballroom A)			
4:30-5:30	Training Class 5 (Salon 3)	Panel II (Salon 1-2)		
	<b>Catalyst 101</b> <i>by Scott Rutherford, Cormetech</i>	<b>Load Following: Operating at Lower Temperatures</b> <i>Chairman: Mark Thomas, Mark Thomas &amp; Assoc.</i> <i>Panelists: Michael O'Connor, Dynege; Chad Donner, Duke Energy; Tom Weir, Cormetech; Chelsea Lucas, Southern Company</i>		
5:30-6:30	Reception for all attendees and families			

## February 20, 2018 - Tuesday - NOx-Combustion-CCR Round Table

Registration - Continental Breakfast & Breaks in expo from 7:30 am to 5:15 pm (Grand Ballroom A)				
8:30 - 9:30	Training Class 6 (Salon 3)	Workshop 10 (Salon 4)	Workshop 11 (Salon 1-2)	Workshop 12 (Salon 5)
	<b>Ash Pond Closure 101</b> <i>by Anita Perry, Southern Company</i>	<b>Combined Cycle Units SCR retrofits (industry experiences)</b> <i>by Wayne Jones, Umicore</i>	<b>Optimization of Direct Injection of Aqueous Ammonia on CCGT Power Station</b> <i>by Mark Pavol, Blender Products</i>	<b>Lessons learned/Getting the Most from Bench-scale Testing/Data</b> <i>by Marc Harton, Innovative Combustion Technologies</i>
9:30 - 10:30	Break in Exhibition Hall (Grand Ballroom A)			
10:30 - 11:30	Training Class 7 (Salon 3)	Workshop 13 (Salon 4)	Workshop 14 (Salon 1-2)	Workshop 15 (Salon 5)
	<b>Mercury Mitigation 101</b> <i>by Sharon Sjostrom, ADA-ES</i>	<b>Catalyst Management in the Current Energy Market: Load Cycling and Reserve Outages</b> <i>by Jared Koliha, CERAM</i>	<b>Controlling Flue Gas Condensable Species for Plant Cost Improvements</b> <i>by Cal Lockert, Mississippi Lime</i>	<b>DSI : Present and Future – Case Studies on Heavy Metals and Acid Gas Abatement</b> <i>by Marty Dillon, Lhoist North Am.</i>
11:30 - 1:00	Lunch in Exhibition Hall (Continental Ballroom A)			
1:00-2:00	Training Class 8 (Salon 3)	Workshop 16 (Salon 4)	Workshop 17 (Salon 1-2)	Workshop 18 (Salon 5)
	<b>DSI 101</b> <i>by Greg Filippelli, Lhoist North Am.</i>	<b>Optimizing SCR Catalyst Utilization</b> <i>by Volker Rummenhohl, V-Tack LLC</i>	<b>EPRI Laboratory Comparison Study: SCR Catalyst DeNOx Activity, SO<sub>2</sub> Conversion, and Mercury Oxidation Measurements</b> <i>by Scott Hinton, WS Hinton &amp; Assoc.</i>	<b>Improvement of Coal-Fired Power Plant Operation and Lifetime through Integration of New Data Streams</b> <i>by George Kychakoff, Energetmix</i>
2:15-3:15	Workshop 19 (Salon 3)	Workshop 20 (Salon 4)	Workshop 21 (Salon 1-2)	Workshop 22 (Salon 5)
	<b>Dewatering Pilot Tests and Geotechnical Considerations for CCR Impoundment Closures</b> <i>by John Klamut, GAI &amp; Greg Landry, MoreTrench</i>	<b>SOx and the SCR – How Sulfur Influences Catalyst Operation</b> <i>by Chris Bertole, Cormetech</i>	<b>Wave Impact Heat Management SCR Cleaning Applications</b> <i>by Johan Holmér, Heat Management</i>	<b>Integrated Approach to Combustion Engineering Delivers Flexible Ultra-low NOx Emissions Performance Solutions</b> <i>by Lawrence Berg, RIM International</i>
3:15-4:15	Break in Exhibition Hall (Expo) - drawing of the Treasure Hunt Winners			
4:15 - 5:15	Panel III (Salon 1-2)			
	<b>Catalyst Issues: New, Regenerated &amp; Disposal</b> <i>Chairman: Nancy Stephenson, Cormetech / Utility Panelists: George Valentine, Dominion; John Brotherton, Duke Energy; Mike O'Connor, Dynege; Jason Bookout, Southern Co; Scott Hiedeman, KCPL; Tony Engelmeier, OUC; Jonathan Christopher, PacifiCorp</i>			
6:00 - 10:00	<b>Conference Event....Dinner, brewery tour and Clydesdales at Budweiser Biergarten</b> <b>free to all attendees and their families (bus transportation provided)</b>			