



2015 APC/PCUG Conference

The 22nd Annual APC/PCUG Conference is presented by Reinhold Environmental (www.reinholdenvironmental.com)

Hosted by Southern Company

Special thanks to the Conference Sponsors and Utility Host



Discovering what's possible with calcium



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Doug Ritzenthaler, Lead Engineer
Chao Lin, Senior Engineer

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Dwain Waters, Special Proj. & Envir. Assets



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TVA
Melissa Allen, FGD System Engineer
Lindy Johnson, Senior Program Manager



Entergy
Joseph Hantz, Mgr. of Environmental

WE Energies
John Nepscha, Principal Engineer



ESKOM
Ebrahim Patel, Sr. Consultant APC



2015 APC Round Table Agenda

July 13, 2015 - Monday - APC Round Table

Registration opens at 7:00 am outside of Grand Hall / Expo opens at 7:00 am with Continental Breakfast in Grand Hall

Technical Training Classes 8:00-11:30

8:00 - 9:30	Training Class 1: Grand Hall East A-B Live Demonstration of Corona and Back Corona in an Electrostatic Precipitator by David Johnston, Rob Hammell, B&W	Training Class 2: Grand Hall East C Fabric Filter O&M by Florin Popovici, Evonik Fibres	Training Class 3: Grand Hall East D Key Factors that Affect Hg Control in a Power Plant by Hal Kruger, Kruger Energy, & Environmental Consultants	Training Class 4: Regency Ballroom VII Smart MATS Compliance by Connie Senior, ADA-ES and Ned West, Southern Company/ Panelists: Melissa Allen, TVA; Grant Hilbers, DTE; Joe Hantz, Entergy
9:30 - 10:00	Training Class 5: Grand Hall East A-B ESP Mechanical O&M with Tips and Tricks by Tim Mallory, Air Advantage and Dave Watt, Southern Company	Break in Exhibition Hall in Grand Hall	Training Class 7: Grand Hall East D Startup under MATS - Implementation Lessons Learned by Joe Wong and Sheila Giesmann, ADA Carbon Solutions	Training Class 8: Regency Ballroom VII Discussion on Scrubber Corrosion Issues moderated by Steve Wolsifer, REC / Panelists: Ron Laws, Duke; Melissa Allen, TVA; Ron Richard, REC; John Nepscha WE Energies; Kevin Hayes, Southern Company
10:00-11:30	ESP Mechanical O&M with Tips and Tricks by Tim Mallory, Air Advantage and Dave Watt, Southern Company	Safety by Darren Hanby, AEP	Startup under MATS - Implementation Lessons Learned by Joe Wong and Sheila Giesmann, ADA Carbon Solutions	
11:30 - 12:30		Lunch in Exhibition Hall in Grand Hall		
12:30 - 1:30		General Session: Regency Ballroom VII		
1:30-2:00		Panel I: Regency Ballroom VII Presentation of Round Table Lifetime Award by Susan Reinhold (Scott Thomas, Duke; Paul Ford, Redkohl; Robert Cynack, Consultant)		Workshop 2: Grand Hall East D Treatment of FGD Wastewater with Chemical, Biological, and ZLD Technologies by Nelson Fonseca, GE Power & Water
2:15-3:15	Workshop 1: Grand Hall East A-B Guiding & Keeping Your Technicians Current Regarding Fault Finding / Performance of ESP Controls by Paul Ford, Redkoh Industries	Panel II: Regency Ballroom VII Startup & Shutdown Under MATS / Chairmen: Connie Senior, ADA-ES and Tony Licata, Licata Energy Panelists: Kevin Cown, Southern Company, John J. Berley, Duke		
3:15-4:00	Workshop 3: Grand Hall East A-B Modeling to Improve Baghouse Performance for Circulating Fluidized Bed Scrubber by Jeffrey D. Shellenberger, AMEC Foster Wheeler	Break in Exhibition Hall in Grand Hall		Workshop 4: Grand Hall East D Meeting Part-per-Trillion Mercury Limits and Impacts of MACT Changes by Kristen Jenkins, CF2M
4:00-5:00	Workshop 5: Grand Hall East A Ash Line Testing to Determine Their Expected Life by Gerry Klemm, Southern Company			
5:00-5:30				
5:30-6:30				

Reception in Grand Hall (open to all attendees and their families)

July 14, 2015 - Tuesday - APC Round Table

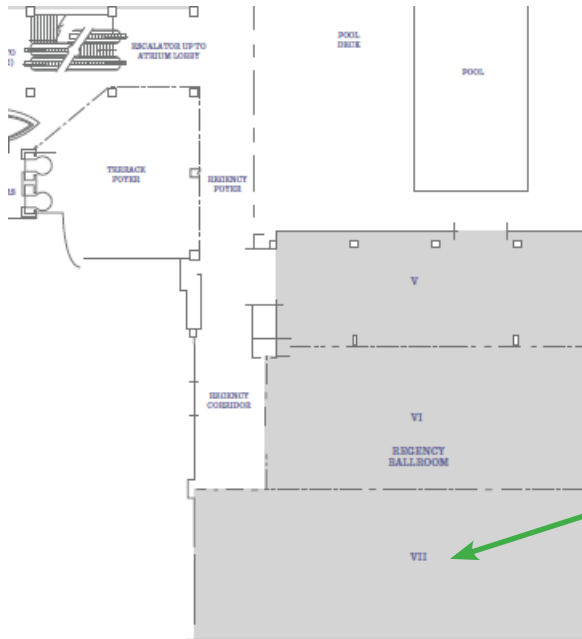
Registration opens at 7:30 am outside of Grand Hall / Expo opens at 7:30 am with Continental Breakfast in Grand Hall

7:30 - 8:30	Workshop 6: Grand Hall East B CCR Regulation update by Mark Rokoff, AECOM	Workshop 7: Grand Hall East C Simultaneous HCl and Hg Control with a Single Sorbent and DSI System by Jim Dickerman and Jerry Hunt, Lhoist	Workshop 8: Grand Hall East D Collision of MATS and ELG Compliance at the FGD System by Shannon Brown, B&W
8:30-9:30	Workshop 9: Grand Hall East A Transitioning from SCR to IGBT Controlled Power Supplies for ESP by Paul Ford, Redkoh Industries	Workshop 10: Grand Hall East B Weighing the Economics of Options for Converting to Dry Ash Disposal by Kevin McDonough, UCC	Workshop 11: Grand Hall East C Operational Improvement with High Reactivity Hydrated Lime DSI by Chad Donner, Duke Energy; Cal Lockert, Green; Curt Biehn, Mississippi Lime
9:30-10:30	Workshop 12: Grand Hall East D Plant Efficiency Improvement Via SO ₂ Control and APH Upgrade by Sterling Grey, AECOM; Louis Bondurani, ARVOS	Workshop 13: Grand Hall East A Rapping Optimization and Troubleshooting by John Wells, AirTek	Workshop 14: Grand Hall East B New Trends in Fabric Filter Technologies and Optimization for Power Generation by Rich Miller, Solaft
10:30-11:30	Workshop 15: Grand Hall East C DSI for High level (up to 90%) SO ₂ & Hg Removal on a large Coal-fired Unit Equipped with an ESP & FF by Conner Cox, UCC	Workshop 16: Grand Hall East D Efficient Oxidation Air Control for WFGD Systems by Roy Gansley, Alstom	Workshop 17: Grand Hall East A Rapping Optimization and Troubleshooting by John Wells, AirTek
11:30-1:00	Workshop 18: Grand Hall East B Impact of MATS on ESPs and How to Deal With It by John Knapik, B&W	Workshop 19: Grand Hall East C Guaranteed Particle Size, Process Efficiency and Reliability for Sorbent Milling by Joseph Riley, STM EcoSystems	Workshop 20: Grand Hall East D Successful Operation of Flue Gas Humidification/cooling Using Spray Nozzles Upstream of DSI by Robert Van Durme, Lechter
1:00-2:00	Workshop 21: Grand Hall East A Engineering an Optimum ESP Upgrade by Chris Roglieri, KC Cottrell	Workshop 22: Grand Hall East B Reduction of Carbon Dioxide Emissions from Existing Coal-Fired Boilers by Tony Licata, Licata Energy & Environmental Consulting	Workshop 23: Grand Hall East C Hydrate Lime DSI for MATS Compliance by Carl Laird, Carmeuse and Mitch Lund, Nol-Tec
2:15-3:15			
3:15-4:15			
4:15-5:15			

APC Round Table Conference Event in Regency Ballroom
Southern Nights Carnival / dinner, game and fun for all / 6:00pm to 9:00pm families invited

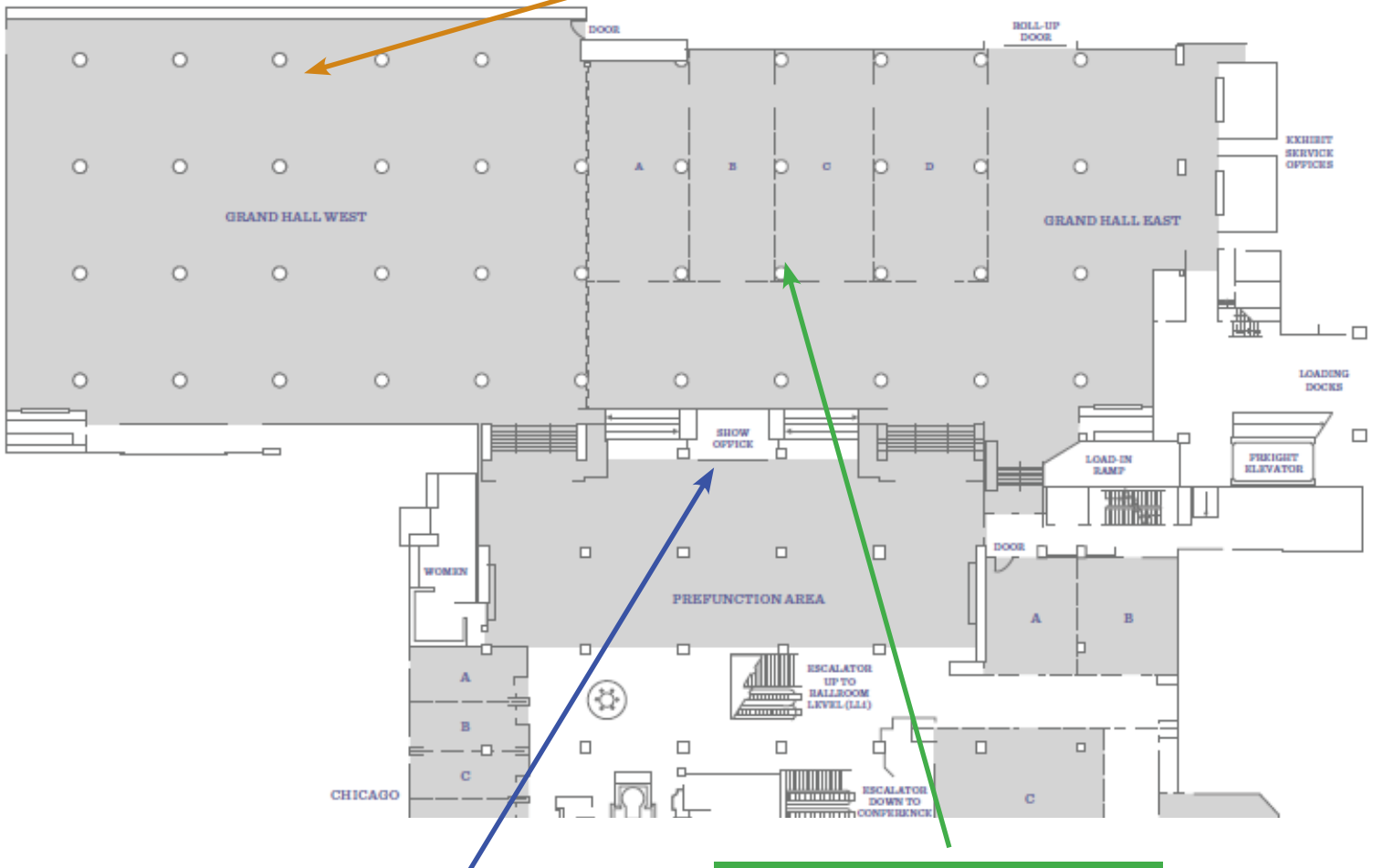
July 15-16, 2015 - Wednesday & Thursday - PCUG Meeting for Users only in Regency Ballroom

Hotel Floor Plan



Technical Sessions (Ballroom Level)

Expo (exhibit level)



Registration Desk
(Exhibit Level)

Technical Sessions
(Exhibit Level)

2015 APC Round Table Exhibitors

Clyde Bergemann Power Group.....	1	Hempel Coatings.....	59
Horn Industrial Services.....	2	Evonik Fibres.....	60
Fuel Tech.....	3	STEAG Energy Services.....	61
Carmeuse Lime & Stone.....	4	Pollution Control Services.....	62
Ohio Lumex Co.....	5	FLSmidth-AFT Operations.....	63
Hamon Research Cottrell.....	6	ETS Inc.....	64
Johnson Matthey SEC.....	7	CCSI.....	65
Carbonxt.....	8-9	ICAC.....	66
Mitsubishi Hitachi Power Systems.....	10-11	Clean Air Engineering.....	67
Fox Equipment.....	12	AMEC Foster Wheeler.....	68-69
RE Consulting.....	14-15	United Conveyor Corp.....	70
Calgon Carbon Corp.....	16	Midwesco / TDC Filter.....	71
Novinda.....	17	AECOM.....	72
Menardi-Filtex.....	18	AirTek.....	73
F.O.S. Industrial Filter Technology.....	19	KC Cottrell.....	74
Altech Environmental.....	20	Hotfoil-EHS Inc.....	75-76
Solaft Filtration Solutions.....	21	Babcock & Wilcox.....	77-78
Martin Engineering.....	22	Stock Equipment.....	79
Spectrum Systems.....	23	BWF Envirotec.....	80
ADA Carbon Solutions.....	24	Dustex LLC.....	81-82
Sealeze.....	25	National Filter Media.....	83-84
Castell Interlocks.....	26	A.V.C. Specialists.....	85-86
Howden North America.....	27	Alstom Power.....	87-88
Gutsche Textile Engineering.....	28	Boiler Tube Company of America.....	A(89)
Integrated Global Services.....	29	Southern Felt/Lydall Industrial Filtration.....	B(90)
Garlock.....	30	Eurofins Frontier Global Sciences.....	C(91)
CoorsTek Engineered Ceramics.....	31		
C.E.M. Solutions.....	32		
High Temperature Technologies.....	33		
Hendrick Manufacturing.....	34		
Southern Research Institute.....	35		
Mississippi Lime.....	36-37		
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Lhoist North America.....	39-40		
Breen Energy Solutions.....	41		
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Kraft Powercon Inc.....	43-44		
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Southern Environmental Inc.....	47-48		
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Clarcor-BHA.....	50		
NWL.....	51-52		
Kirk Key Interlocks.....	53		
Airflow Sciences.....	54-55		
Redkoh Industries.....	56		
Stein Industries.....	57-58		

Wastewater- Ash PCUG Conference

September 22 - 23, 2015
Charlotte, NC
Hosted by Duke Energy