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IETC CONFERENCE SESSIONS

Wednesday Morning, June 3

- 7:00 am - 5:00 pm** Registration, **Parish Hall, 10th Floor**
7:15 am - 7:50 am Breakfast for Wednesday's and Thursday's Authors and Session Chairs
Feliciana Room, 10th Floor, sponsored by ICF International
- For all other attendees breakfast is in **Parish Hall**, Registration Area
- 7:15 am - 7:50 pm** Exhibits open, **Parish Hall, 10th Floor**
- 8:00 am - 8:25 am** **Welcoming Remarks:** James Eggebrecht, Executive Director, IETC and Paul Miller. Assistant Director Energy, Louisiana Department of Natural Resources
Louisiana Ballroom, 10th Floor
- 8:25 am - 8:40 am** American Chemistry Council Recognition of Responsible Care Energy Awards
- 8:40 am - 9:05 am** Keynote Speaker: Kenneth Colburn, Senior Associate, The Regulatory Assistance Project
- 9:15 am - 11:50 am** Sessions 1 - 4

Session 1 - American Chemistry Council Award Winners 1

Session Chair: Dave Lauterbach, DuPont

Feliciana East Room, 10th Floor

- 9:15 am - 9:45 am** "LyondellBasell Completes a Major Plant Workover to Dramatically Improve Energy Intensity in LaPorte Texas," 1
Nani R. Deole and Hans Stam, LyondellBasell.
- 9:50 am - 10:20 am** "Occidental Chemical Corporation Alters the Geismar EDC Unit and Reduces Energy Usage by 50%," 8
Harry Anderson and Jim Strathe, Occidental Chemical Corporation.
- 10:20 am - 10:45 am** Coffee Break and Exhibits – **Parish Hall, 10th Floor**
- 10:45 am - 11:15 am** "DuPont Parlin Energy Conservation Team," 18
Rich Derer, Mike Pollock, Bryan Mumink, Vee Guidry and Jimmy Kersch, E. I. DuPont.

Session 2 -Combined Heat and Power

Session Chair: Scott Harrison, TXU Energy

Felician West Room, 10th Floor

- 9:15 am - 9:45 am** "Stabilized Cogeneration," 28
K. A. "Bud" Leavell, Piller USA Inc.
- 9:50 am - 10:20 am** "Case Studies: Thermal Energy Corporation at Texas Medical Center, Houston, Texas," 38
Scott Clark, Burns & McDonnell.
- 10:20 am - 10:45 am** Coffee Break and Exhibits – **Parish Hall, 10th Floor**
- 10:45 am -11:15 am** "Combined Heat and Power in EPA's Clean Power Plan," 49
Meegan Kelly, American Council for an Energy Efficient Economy.
- 11:20 am - 11:50 am** "Energy Savings Opportunities through Combined Heat and Power Systems Optimization Model Case Studies," 57
Mana M. Owaidh, Saudi Aramco Company.

Session 3 - ISO 50001 and SEP

Session Chair: Vern Martin, FLOWCARE Engineering Inc.

St. Landry Room, 9th Floor

- 9:15 am - 9:45 am** "Global Collaboration on Energy Management," 373
Graziella Siciliano, U.S. Department of Energy.
- 9:50 am - 10:20 am** "Implementing ISO 50001 and SEP – How ICT Facilitates Implementation," 72
Mike Brogan, Enerit Ltd.
- 10:20 am - 10:45 am** Coffee Break and Exhibits – **Parish Hall, 10th Floor**
- 10:45 am - 11:15 am** "ISO 50001 Energy Management Standard as a Vehicle to Sustainable Energy Management at 3M Company," 86
Andrew Hejnar, 3M Canada.
- 11:20 am - 11:50 am** "Wisconsin's SEM Leaders Program: Meeting Industry's Needs for Strategic Energy Management," 98
Timothy Dantoin, and John Nicol, Leidos Engineering.

Session 4 - Demand Response Programs

Session Chair: James E. Robinson, DES Global, LLC

St. Tammany Room, 9th Floor

- 9:15 am - 9:45 am** "Utility Assessments for Real Time Pricing and Demand Response Environments," 109
James E. Robinson, DES Global, LLC.
- 9:50 am -10:20 am** "Facility Scale Energy Storage for Peak Demand Management and Demand Response," 127
Jesse Remillard and Jeffrey N. Perkins, Energy & Resource Solutions.
- 10:20 am - 10:45 am** Coffee Break and Exhibits – **Parish Hall, 10th Floor**
- 10:45 am - 11:15 am** "Demand Response and Peak Load Management; Programs, Products and Technology," 137
Andrew Barth, Links Energy Partners.
- 11:20 am - 11:50 am** "Smart Grid – You Are Not Alone," 147
David Heitzer, EDF Trading North America LLC.

12:00 pm - 1:30 pm IETC Energy Awards Luncheon Louisiana Ballroom, 10th Floor

Wednesday Afternoon, June 3

1:45 pm - 5:00 pm Sessions 5 – 7

Session 5 - American Chemistry Council Award Winners 2

Session Chair: Ray Ratheal, Eastman Chemical

Feliciano East Room, 10th Floor

- 1:45 pm - 2:15 pm** "MeadWestvaco Specialty Chemicals 'Sons of Energy' Team's Projects Garner Plant Energy Intensity Reductions," 441
Scott Crowell and John Pocta, MeadWestvaco.
- 2:20 pm - 2:50pm** "Ashland Inc. Installation of Heat Recovery Steam Generators Energy Savings Projects," N/A
Frank Stevens and Tim Whitaker, Ashland Inc.
- 2:50 pm - 3:15 pm** Coffee Break and Exhibits – **Parish Hall, 10th Floor**

Session 6 - Equipment Analysis One

Session Chair: Thomas Theising, Sustainable Energy Solutions, LLC

Feliciano West Room, 10th Floor

- 1:45 pm - 2:15 pm** "Increase Energy Efficiency by Analyzing Cooling Water Systems," 385
Peter Phelps, Phelps Engineering, and Todd Willman, EPI Engineering.
- 2:20 pm - 2:50 pm** "Major Energy Efficiency Retrofit Opportunities in Process Evaporation," N/A
Bryan Hackett, kW Engineering.
- 2:50 pm - 3:15 pm** Coffee Break and Exhibits – **Parish Hall, 10th Floor**
- 3:15 pm - 3:45 pm** "Simulating Energy Efficient Control of Multiple-Compressor Compressed Air Systems," 428
Sean Murphy, EnerNOC, and Kelly Kissock, University of Dayton Industrial Assessment Center.
- 3:50 pm - 4:20 pm** "Trending and Tracking Energy Surveys," 336
James Nipper, Petro Chemical Energy.

Session 7 - Process Energy Efficiency

Session Chair: Serge Bedard, Natural Resources Canada

St. Landry Room, 9th Floor

- 1:45 pm - 2:15 pm** "Comprehensive Energy Efficiency in the Process Industries," 157
Alan Rossiter, Rossiter and Associates, and Beth Jones, LyondellBasell (retired).
- 2:20 pm - 2:50 pm** "Caught Between a Rock and Hard Place – How Lehigh Hanson Achieves Energy Success at Aggregate Plants," 163
Stephen B. Austin, TenX Energy Corporation and Leroy Goree, Lehigh Hanson Incorporated.
- 2:50 pm - 3:15 pm** Coffee Break and Exhibits – **Parish Hall, 10th Floor**
- 3:15 pm - 3:45 pm** "Steinway & Sons Upgrades Its Turn-of-the-Century Brick Kilns to a Quick-Dry Partial Vacuum System,"
Ryan Bossis, Energy and Resource Solutions, and Bill Rigos, Steinway & Sons. 170
- 3:50 pm - 4:20 pm** "Use of a Comprehensive Utility Software for Optimal Energy Management and Electric Grid Failure Assessment in an Oil Refinery," 176
Serge, Bédard, Abdelaziz Hammache, Bruno Poulin, and Etienne Ayotte-Sauvé, Natural Resources Canada, CanmetENERGY, Industrial Systems Optimization.

5:30 - 7:30 p.m. Reception Sponsored by Champion Energy Services in the Parish Hall Registration Area

Thursday Morning June 4

- 7:30 am - 2:00 pm Registration for New Arrivals, **Parish Hall, 10th Floor**
- 7:45 am - 8:30 am Continental Breakfast, **Parish Hall, 10th Floor**
- 8:00 am - 2:00 pm Exhibits Open, **Parish Hall, 10th Floor**
- 8:30 am - 12:00 pm Sessions 8 - 12

Session 8 - American Chemistry Council Award Winners 3

Session Chair: Jim Eggebrecht, TAMU Energy Systems Laboratory

Feliciano East Room, 10th Floor

- 8:30 am - 9:00 am “BASF Corporate Energy Management Process,” 449
Ty Geiger, BASF Corporation.
- 9:05 am - 9:35 am “BASF Geismar Site Steam System Optimization,” 459
Jason Gathright, BASF Corporation.
- 9:35 am - 10:15 am Coffee Break and Exhibits – **Parish Hall, 10th Floor**

Session 9 - Energy Analysis

Session Chair: Walt Brockway, Alcoa, Inc.

Feliciano West Room, 10th Floor

- 8:30 am - 9:00 am “Lean Analysis of Industrial Energy Assessments,” 190
Raul J. Viera, Jim Lee, and Sally McNerny, University of Louisiana – Lafayette, Department of Mechanical Engineering.
- 9:05 am - 9:35 am “Modern Visualization of Industrial Energy Use and Loss,” 202
Sabine Brueske, Energetics Incorporated.
- 9:35 am - 10:15 am Coffee Break and Exhibits – **Parish Hall, 10th Floor**
- 10:15 am - 10:45 am “Energy Savings Opportunity in Manufacturing Lightweight Structural Materials,” 209
Sabine Brueske, Energetics Incorporated.
- 10:50 am - 11:20 am “Preparing for a Successful Energy Audit,” 327
Thomas Theising, Sustainable Energy Solutions, LLC.

Session 10 - Water and Energy Issues

Session Chair: Vestal Tutterow, Project Performance Company

St. Landry Room, 9th Floor

- 8:30 am - 9:00 am** “Developing a Corporate Water Management Strategy,” 233
Vestal Tutterow and Jackson Stubbs, Project Performance Company.
- 9:05 am - 9:35 am** “Identifying Water Savings in Industrial Operations,” 240
Thomas Theising, Sustainable Energy Solutions, LLC.
- 9:35 am - 10:15 am** Coffee Break and Exhibits – **Parish Hall, 10th Floor**
- 10:15 am - 10:45 am** “Evaluation of Impacts on Energy and Plant Profitability of Responses to Water Curtailment,” 250
Kathey Ferland, University of Texas, and Peter Phelps, Phelps Engineering.
- 10:50 am - 11:20 am** “Water Savings in Food Processing Plants – Potentials and Case Studies,” 261
Alexander Trueblood, Mark Ritchie, and Sandra Chow, BASE Energy, and Ahmad R. Ganji, San Francisco State University.

Session 11 - Program Evaluation

Session Chair: Bruce Lung, U.S. Department of Energy

St. Tammany Room, 9th Floor

- 8:30 am - 9:00 am** “The Value Proposition of Industrial Energy Efficiency Programs,” 272
Ethan A. Rogers, American Council for an Energy Efficient Economy.
- 9:05 am - 9:35 am** “Costs and Benefits of Capital Finance Through Energy Service Outsourcing,” 280
Christopher Russell, Energy Pathfinder Management Consulting, LLC.
- 9:35 am - 10:15 am** Coffee Break and Exhibits – **Parish Hall, 10th Floor**
- 10:15 am - 10:45 am** “Overcoming Conservative Payback Rules for Energy Efficiency Projects,” 285
Andre de Fontaine, Advanced Manufacturing Office, U.S. Department of Energy.
- 10:50 am - 11:20 am** “Employee Based Energy Management Plan,” 292
Oluseum Osho, Jim Lee, and Sally Anne McInerney, The University of Louisiana at Lafayette, Department of Mechanical Engineering.
- 11:20 am - 11:50 am** “The Impact of Quality Control Scrap and Rework Reduction on Energy Use,” 305
Paul T. Otis, U. S. Department of Energy Energy Information Administration, and Konstantinos P. Triantis, Virginia Tech-Northern Virginia Center.

Session 12 - Equipment Analysis Two

Session Chair: Bryan Rasmussen, Texas A&M University

Pointe Coupee Room, 9th Floor

- 8:30 am - 9:00 am** "How to Avoid Danger, Damage, and Dollars Lost in Steam Systems," 316
James R. Risko, TLV Corporation.
- 9:05 am - 9:35 am** "A Case Study of In-situ Rejuvenation of Degraded Insulation on Industrial Piping in Hot Service," 360
John Williams, Aspen Aerogels, Inc.
- 9:35 am - 10:15 am** Coffee Break and Exhibits – **Parish Hall, 10th Floor**
- 10:15 am - 10:45 am** "Development of an Automated Fault Detection System Tool for Unitary Air Conditioners at Industrial Energy Audits," 396
Priyam Parikh, ClearResult, and Bryan P. Rasmussen, Texas A&M University Industrial Assessment Center.
- 10:50 am - 11:20 am** "What Problems can be Encountered when Efficiency Upgrades are Made to Fans and what Should the Approach be to Address Those Problems," 407
Vern Martin, FLOWCARE Engineering Inc.
- 11:20 am - 11:50 am** "Progressive Vacuum Degradation Within Pipestills and Vacuum Towers," 349
Jay D'Amico, Louisiana Steam Equipment Company.

12:00 - 1:30 p.m. Keynote Luncheon Louisiana Ballroom, 10th Floor