

Agenda
Biomass Boiler Workshop
May 22 - 23, 2024
Madison, Wisconsin

Wednesday, May 22

6:30 - 7:30 **Breakfast (provided by workshop sponsors)**

Morning Technical Session

7:30 - 7:50 **Opening and Welcome, Introductions, Workshop Intention/Approach** (Jansen)

7:50 - 8:45 **A Comparison of Biomass Combustion Systems and Guidelines for Combustion Optimization** (Jansen)

8:45 - 10:00 **Fans: Design, Efficiency, and Horsepower Requirements** (ProcessBarron)

10:00 - 10:15 **Mid-Morning Break**

10:15 - 11:20 **Optimization and Controls of Biomass Combustion Systems** (Enero Solutions)

11:20 - 12:20 **Sources and Nature of PM and Aerosol Emissions from Biomass Combustion** (LDX Solutions)

12:20 - 1:20 **Lunch (provided by workshop sponsors)**

Afternoon Technical Session

1:20 - 2:30 **Boiler Asset Risk Management
Are you handling ALL the Risks?** (Fornax Services)

2:30 - 3:30 **Principles of Overfire Air System Design for Combustion Optimization** (Jansen)

3:30 - 3:50 **Mid-Afternoon Break**

3:50 - 5:00 **Cleaner Heat Surfaces - Wasting Less Energy:
Systems For a Greener and More Available Boiler** (Heat Management)

5:15 - 6:30 **Attitude Adjustment Hour** All Invited

7:00 - 9:15 **Dinner (provided by workshop sponsors)** All Invited (*Guests welcome*)

Dinner Restaurant:

Steenbock's on Orchard (15 minutes walk from the hotel)

330 N Orchard Street

Madison, WI 53715 USA

Phone: +1 608.204.2733

www.steenbocksonorchard.com

Thursday, May 23

“Ask the Expert” Breakout Breakfast

6:45 - 7:45 **Breakfast (provided by workshop sponsors):**



Morning Technical Session

- 7:45 - 8:45 **Opportunities for Increased Steam and Power Generation** (Jansen)
- 8:45 - 10:00 **Materials Handling and Fuel Feed Equipment** (ProcessBarron)
- 10:00 - 10:15 **Mid-Morning Break**
- 10:15 - 11:15 **Stack Testing: Why We Do It and How to Perform it Successfully** (CleanAir)
- 11:15 - 12:15 **Boiler Condition Assessment During an Annual Shutdown** (Fornax Services)
- 12:15 - 1:15 **Lunch (provided by workshop sponsors)**

Afternoon Technical Session

- 1:15 - 2:00 **Analytical Tools for Evaluating Boiler Performance** (Jansen)
- 2:00 - 3:00 **Modern Multivariable Control of Cogeneration Systems** (Enero Solutions)
- 3:00 - 3:15 **Mid-Afternoon Break**
- 3:15 - 4:00 **Multiclone Dust Collectors; Design and Performance** (ProcessBarron)
- 4:00 - 5:00 **Technologies/Strategies to Control PM and Aerosol Emissions from Biomass Combustion** (LDX Solutions)
- 5:00 - 5:10 **Closing Remarks and Workshop Ends**

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