

43rd Stationary Source Sampling and Analysis for Air Pollutants Preliminary Technical Program

Conference Chair: Jason DeWees,
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Conference Co-Chair: Eric Ehlers,
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1. Improving Interactions to Enhance Test Programs (Sunday, 4/14/19, PM)

Session Chair: Heather McHale,
Heather.McHale@coterie-env.com

Session Chair: Ned Shappley,
shappley.ned@epa.gov

This session will be a discussion on how regulators, industry, testers, and test subcontractors (i.e., laboratories) can improve their communication and interactions to achieve a successful test program and improve data quality.

2. EPA Highlights (Monday, 4/15/19, AM)

Session Chair: Stef Johnson,
johnson.steffan@epa.gov

Session Chair: Kevin McGinn,
mcginn.kevin@epa.gov

EPA staff will provide a summary of the past years' key developments in air emissions measurement and monitoring techniques, tools, and policy from the EPA's Office of Air Quality Planning and Standards, as well as papers highlighting new and developing projects.

3. Refining and Chemical Sectors (Monday, 4/15/19, PM)

Session Chair: Josh Childers,
jchilders@cleanair.com

Session Chair: Bev Coleman,
bevcoleman@chevron.com

A collection of presentations and discussions focused on challenges and solutions specific to the refinery and chemical sectors.

4. Legal/Emerging Compounds (Tuesday, 4/16/19, AM)

Session Chair: Ray Merrill,
Merrill.raymond@epa.gov

Session Chair: Tate Strickler,
tstrickler@montrose-env.com

This session will have two topics of focus: statutory and legal issues related to source sampling and emissions standards and emerging compounds of interest for stationary sources.

5. Flowrate (Tuesday, 4/16/19, PM)

Session Chair: Aaron Johnson,
aaron.johnson@nist.gov

Session Chair: Jeff Ryan,
Ryan.Jeff@epa.gov

Significant error in measuring flow contributes bias to all associated emissions measurements. The S-probe is the most commonly used instrument for flow measurement, yet it can introduce biases of 10 % or more in highly distorted stack flows.

6. VOC, SVOC and Organic HAPs (Wednesday, 4/17/19, AM)

Session Chair: Jordan Laster,
jordan.laster@stacktest.com

Session Chair: Bryan Tyler,
bryan.tyler@enthalpy.com

There are many applications that require Volatile Organic Compounds (VOCs), Organic Hazardous Air Pollutants (OHAPs) and Semi-Volatiles (SVOC) measurements and numerous methods available to be used based on the analyte, source conditions/matrix and detection limit requirements.

7. FTIR (Wednesday, 4/17/19, PM)

Session Chair: Tom Dunder,
TDunder@trcsolutions.com

Session Chair: Steve Hall,
steve@spectrumenvsoln.com

This session will focus on topics related to sampling and analysis with FTIR. Potential topics will address detection limits, best practices on sampling and spiking,

uncertainties related reference gases or spiking surrogates, and critical data quality indicators.

8. Particulate Measurement (Thursday, 4/18/19, AM)

Session Chair: Jim Guenthoer,
jguenthoer@cleanair.com

Session Chair: David Nash,
nash.dave@epa.gov

A discussion of the challenges, advances, or insights related to particulate measurement including PM_{2.5}, condensable PM, and PM CEMS.

9. Instrumental Measurement Issues (Thursday, 4/18/19, PM)

Session Chair: Stephen Gibbons,
stephen.gibbons@de.abb.com

Session Chair: Mike Hayes,
mhayes@mathesongas.com

This is a session on the challenges, advances or insights related to instrumental measurement technology. Presentations will address issues around low level measurement challenges from gas standards to instrument technologies; providing an insight into the digital realm and internet of things

10. Ideas on How to Improve Field Work and/or Data Quality (Friday, 4/19/19, AM)

Session Chair: Jacob Byrne,
jbyrne@cem-solutions.com

Session Chair: Ron McLeod,
Ron.McLeod@ALSGlobal.com

Everyone has their little 'tricks' to help you get through your day. We are looking for 5-15 minute 'shorts' on an approach that helps you in the field – items or approaches that saves you time or improves safety and/or data quality, or generally makes life a little easier.

11. Poster Sessions

Session Chair: Ilya Alimov,
IAlimov@trcsolutions.com

Session Chair: Wade Bice,
jwbice@southernco.com

Poster sessions will be held during the session breaks. Poster topics can include late-breaking news and research. We would like to include multimedia or interactive display posters. The poster sessions can be used to expand on some topics presented during the other sessions.

12. Safety Shorts

Session Chair: Mukund Venkitachalam,
mukund.venkitachalam@dominionenergy.com

Session Chair: Sean Warden,
richard.s.warden@dominionenergy.com

Each of the sessions will start with a five-minute Safety Short soliciting a number of thought-provoking short safety lessons, tips, tricks, reminders, suggestions, experiences, nightmares, ideas, innovative technologies, and regulatory changes. This session is intended for us to share ways to more conveniently, efficiently and habitually weave safety into our working habits.

