

44th Stationary Source Sampling and Analysis for Air Pollutants Preliminary Technical Program

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1. Challenging Sampling Situations and Innovative Test Techniques (4/5/2020, 1930-2200)

Session Chair: Bill Hefley
hefleybl@oge.com

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

This session will discuss stack testing programs that are developed for unique and challenging testing environments ranging from issues with location access, location ambient conditions, and difficult compounds to measure based upon the stack matrix and the innovative techniques employed to safely and successfully complete the test program.

2. EPA Highlights (4/6/2020, 0830-1200)

Session Chair: Gerri Garwood
garwood.gerri@epa.gov

Session Chair: Ned Shappley
shappley.ned@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. Back to Basics (4/6/2020, 1930-2200)

Session Chair: Brian Story
brian.story@erm.com

Session Chair: Kurt Wepprecht
kwepprecht@montrose-env.com

Presentations in this session will discuss the foundations of stack sampling and employing the basic principles of stack testing in order to complete test programs safely and efficiently while providing clients with the highest quality data.

4. Particulate Matter Measurements (4/7/2020, 0830-1000)

Session Chair: Jim Guenthoer
jguenthoer@cleanair.com

Session Chair: Derek Sain
dsain@NCASI.org

This session will focus on challenges and advancements associated with PM measurement, including issues associated with condensable PM, PM_{2.5}, and PM CEMS. Additionally, PM speciation methods that can be used to assess how PM composition is affected by different operating conditions or measurement approaches will be discussed.

5. Emerging Compounds (4/7/2020, 1930-2200)

Session Chair: Josh Childers
jchilders@cleanair.com

Session Chair: Pete Zemek
pzemek@montrose-env.com

This session will focus on compounds that are a recent focus for state and federal agency personnel. Papers will include point source and ambient monitoring and testing of these compounds as well as control technologies designed to reduce emissions of these compounds.

6. Industry Focus and Perspectives on Air Emission Testing and Environmental Compliance (4/8/2020, 0830-1200)

Session Chair: John Buresh
john.f.buresh@xcelenergy.com

Session Chair: Phil McMaster
pmmcater@cemteks.com

This session will focus on a few industries and the challenges they face today and will face in the future in order to maintain compliance with an ever-changing environmental policy landscape.

7. Reporting (4/8/2020, 1930-2200)

Session Chair: Rudi Muenster
rudi.muenster@vimtechnologies.com

Session Chair: Angela Hansen
ahansen@montrose-env.com

This session will incorporate a variety of aspects of data reporting, including but not limited to state and federal agencies

utilizing data acquisition handling systems, emission test reporting through the electronic reporting tool, as well as the handling of plant instrumentation data to set operational limits on facilities and to optimize processes.

8. Instrumental Measurements, Quality Assurance, and Validation of FTIR Data (4/9/2020, 0830-1200)

Session Chair: Ilya Alimov
ialimov@trccompanies.com

Session Chair: Laura Kinner
lkinner@mindspring.com

This session will be divided into two sections; the first section will present data gathered in effort to solve real time testing, monitoring and control issues at industrial facilities using various instrumental techniques, which are used to provide data in real time. The second part of this session will address relatively new requests by regulatory agencies for raw FTIR spectral test data, corresponding manufacturer software, reference spectra, and quantification programs ("recipes"). Three presenters will describe: 1) A Regulatory Agency's efforts to post-test validate FTIR data, 2) A tester's perspective to releasing FTIR data to agencies for post-test review, and 3) Industry concerns about the standardization of this approach and potential uses of FTIR for future data gathering efforts.

9. Ambient (4/9/2020, 1630-1800)

Session Chair: Jeff Ryan
ryan.jeff@epa.gov

Session Chair: Tina Sanderson
tsanderson@ortech.ca

This session will include discussions on ambient air quality standards and how those standards have the potential to

impact air emission testing. Papers may cover new contaminants of concern and sampling methods, ambient monitoring programs and/or comparisons of ambient monitoring to modelled stack testing data.

10. Flash Presentations (4/10/2020, 0800-1000)

Session Chair: Ron McLeod
Ron.McLeod@alsglobal.com

Session Chair: Jonathan Cross
Jonathan.Cross@ohiolumex.com

Papers in this session will range from 5-15 minutes in length and cover a wide spectrum of subject matter as it relates to stack testing.

11. Poster Sessions

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

Session Chair: Sylvie Bosch-Charpenay
Sylvie_bosch@mksinst.com

Poster sessions will be held during the session breaks and afternoon/evening social hours. 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 topics presented during the other sessions.

12. Safety Shorts

Each of the 10 sessions will start with a Safety Short soliciting a number of thought-provoking short safety lessons, tips, tricks, reminders, suggestions, experiences, ideas and nightmares. This 10-part session is intended for us to share ways to more conveniently, efficiently and habitually weave safety into our working habits. We are soliciting short presentations (~5 minutes) that demonstrate how companies and individuals are making their lives safer.

