

AIR QUALITY MEASUREMENT

METHODS AND TECHNOLOGY

April 23–25, 2025 • Aurora, CO



Call for Abstracts

Submission Deadline: October 18, 2024

Explore advances in measurement technology, data quality assurance, and data uses at the Air & Waste Management Association's Air Quality Measurement Methods and Technology conference to be held April 23-25, 2025 at the Hyatt Regency Aurora-Denver in Aurora, Colorado.

The conference continues the decades-long A&WMA legacy of promoting current air quality measurement methods and data use. The technical program will include the latest information on the assessment of key substances of concern for humans and the environment, including criteria pollutants, greenhouse gases, and air toxics.

The conference provides a forum to discuss current advances in measurement technology covering all aspects of air quality, including ambient air, indoor air, point sources, and fugitive sources. This conference also seeks to expand the forum to discuss the uses of these advances in community monitoring with emphasis of these efforts in environmental justice communities.

Participants include a full range of investigators from academia, industry, consultants, and government agencies with data-focused presentations. Three concurrent sessions and vendor exhibits are planned, along with a technical tour and poster session. The sessions are expected to be data focused and could include field evaluations, laboratory studies, monitoring data analysis, model assessment, and research and development.

Submissions from equipment manufacturers are encouraged and must be devoid of promotional content; discussion of new technology should not focus on a specific manufacturer's instrument. These papers should have a technical emphasis, be evidence-based, and detail general methodology or intended applications.

Solicitation of Abstracts

A 200-400 word electronic abstract must be submitted for review by **October 18, 2024**, including all relevant author contact information; please indicate preference for poster or platform presentation. Abstracts undergo critical review by the conference committee for originality, technical content, objectivity, and absence of commercialism. **[Submit your abstract via the online survey.](#)**

Presentations are sought for air measurement topics, including (but not limited to) the following:

Ambient Air and Climate Impacts

- Advancements in Low-Cost Sensors
- Sampling of Super Pollutants (e.g., methane, HFCs, N₂O black carbon)
- Measurements from Wildfires

- Advances in Measurement of Emerging Pollutants of Concern (e.g., PFAS)
- Agricultural Emissions and Odor Measurements
- Community Monitoring Efforts, including Environmental Justice Communities
- NAAQS Measurement Techniques and Updates (e.g., PM_{2.5})
- Advances in Ambient Air Toxic Measurement Methods
- Monitoring Network Assessments
- Advanced Mobile Monitoring Platforms (ground-based and aerial)
- Advancements in Greenhouse Gas (GHG) Monitoring

Stationary and Mobile Source Measurements

- Stationary Source Measurement Advances and New Technologies
- Measurements from Oil and Gas Wells and Refineries
- Advances in Mobile Source Measurements (e.g., 6PPD)
- Fugitive Emissions (including dust) and LDAR Programs
- New EPA Regulations and Updated Methods (e.g., HON, Commercial Sterilization, EPA Methods 325 and 327)
- Next Generation Emissions Monitoring (NGEM)

Other Topics of Interest

- Artificial Intelligence (AI) and Machine Learning (ML) for Air Quality Measurements
- Measurement Data Quality, Detection Limits and Quality Assurance
- Advancement in Satellite Monitoring Platforms and Updates from Satellite Measurements
- Indoor Air Monitoring

Presenters are not required to prepare papers or extended abstracts; however, the technical committee will require a draft of your PowerPoint presentation as a mandatory prerequisite for presentation at the conference. Your draft PowerPoint presentation must be submitted for review to your Session Chair by **March 7, 2025**, with the final version by **April 18, 2025**. Presenters are encouraged to follow the schedule below to ensure inclusion in the conference and proceedings. Proceedings with the presentations (with author permission) will be available soon after the conference.

Please contact **Conference Co-Chairs**, Eric Winegar (winegar.eric@gmail.com) or Aurelie Marcotte (amarcotte@entanglementtech.com) with any questions.

Conference Technical Committee:

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Important Dates

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| ▪ October 18, 2024 | Abstract Submission Deadline |
| ▪ November 22, 2024 | Author Notifications |
| ▪ January 31, 2025 | Preliminary Agenda Available |
| ▪ March 7, 2025 | Draft PowerPoint Presentations Due to Session Chairs for Review |
| ▪ March 2025 | Hotel Room Block Cutoff & Early Registration Cutoff |
| ▪ March 28, 2025 | Session Chair Comments Due Back to Presenters |
| ▪ April 11, 2025 | Final PowerPoint Presentations Due to Session Chairs |
| ▪ April 23-25, 2025 | Air Quality Measurement Methods and Technology Conference |