

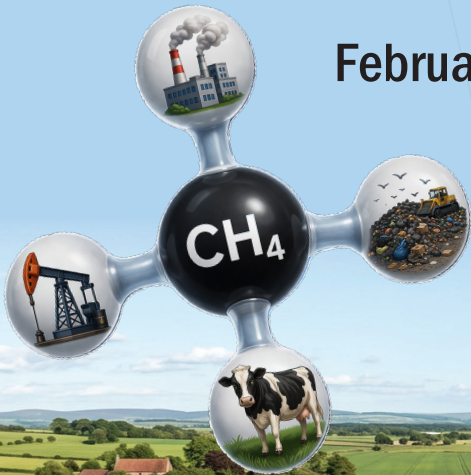


AIR & WASTE MANAGEMENT
ASSOCIATION

CONFERENCE PROGRAM

Methane Solutions for Cross-Sector Collaboration

February 16-17, 2027 • The Woodlands, TX



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www.awma.org/methane

CONFERENCE PROGRAM

General Information

ABOUT THE CONFERENCE

The Methane Solutions for Cross-Sector Collaboration Conference is a first-of-its-kind event intentionally designed to bring together diverse industries—including oil and gas, solid waste management (landfills, organics, and waste to energy), agriculture, and manufacturing—into a single forum focused on methane management. By uniting sectors that have traditionally operated in silos, the conference fosters a unique environment for knowledge exchange, strategic alignment, and innovation across the methane management landscape. The event convenes environmental, EHS and sustainability professionals from industry, service providers, research organizations, and technology developers to explore collaborative approaches to managing methane emissions. A defining feature is the emphasis on real-world, field proven experience, with practitioners sharing lessons learned, challenges, and regulatory-driving solutions that can be adapted and scaled across sectors.

LOCATION & LODGING

[The Woodlands Resort](#)

2301 N Millbend Dr.

The Woodlands, TX 77380

(281) 367-1100

A block of rooms has been reserved for the conference at \$239 per night plus resort fees through January 25, 2027.

Book your room online through the link on the website:

www.awma.org/methanelocation.

REGISTRATION

Register online at www.awma.org/methaneregistration and save over \$100 if you register by the advance deadline of January 15, 2027. Your registration will not be processed without payment.

REFUND POLICY

If written notice of cancellation is received on or before January 15, 2027 payment will be refunded, less a \$100 cancellation fee. Substitutions may be made at any time; payment for any difference is due at the time of substitution. This refund policy applies to all occurrences, including weather-related events and other natural disasters. In the unlikely occurrence of event cancellation, the Association is not liable for any expenses incurred by the registrant other than the full refund of registration fee(s) paid.

CONFERENCE COMMITTEE

Co-Chairs: Kyle Lapid, Onterris and Kerry Weichsel, Iconic Air

Jonah Gallant, Validere

Conor Merrigan, Onterris

Elizabeth McGurk, Highwood Emissions

Dylan Smith, Waste Connections

CONTINUING EDUCATION

Conference attendees may be eligible for continuing education credits and can apply to receive a Certificate of Participation for the sessions attended. Please sign the CEU sign in sheet available at the registration desk and order your Certificate through the A&WMA Online Store. Members are eligible for free certificates. For more information, please contact Gloria Henning at glhenning@awma.org.

CONFERENCE PROCEEDINGS

Conference abstracts will be posted on a secure website along with presenter slides and will be available for viewing and download for a limited time following the conference. Attendees will be notified by e-mail when the proceedings are available.

SPECIAL ACCOMMODATIONS

The Air & Waste Management Association supports the Americans with Disabilities Act (ADA). Attendees requiring specific equipment, food, or services should contact Cindy Fontanesi at cfontanesi@awma.org to make those needs known in advance. A&WMA will make every reasonable effort to accommodate them.

A&WMA MEETINGS POLICY

By registering for this meeting, attendees agree to abide by and accept the terms of the A&WMA Code of Conduct (available at www.awma.org/governance). Additionally, A&WMA conference attendees acknowledge that they may be photographed by A&WMA for promotional purposes while at events.

CONFERENCE PROGRAM

SESSION SCHEDULE – Tuesday, February 16

OPENING KEYNOTE SESSION

8:00 am - 8:15 am

Conference Welcome and Introduction

A&WMA President and Conference Chairs

8:15 am - 10:00 am

Cross Industry Panel

The conference plenary will bring together invited leaders from oil and gas, solid waste management, agriculture, and manufacturing to explore shared challenges and practical solutions for methane emissions. Panelists will discuss measurement and monitoring, mitigation strategies, emerging technologies, and opportunities for collaboration across sectors.

10:00 am - 10:15 am
Networking Break and
Exhibition Viewing

SESSION 1A: AI, Automation, and Digital Systems

10:15 am – 10:40 am

ME-8 AI-Driven Canonical Model Enabling Consistent Methane Reporting Across Expanding Disclosure Regimes

Dr. Raghavan Ramanan, Rakesh Sreekumar, Sunil Cherian, Impact Edge AI

10:40 am – 11:05 am

ME-27 Rapid Methane LDAQ Using Distributed Sensor Networks and AI Analytics

Graham Clarke Shirook Ali, Rama Goparaju, Ecosystem Informatics, Inc.

11:05 am - 11:30 am

ME-29 EMISSAI Commander: AI Platform for LDAR Compliance and Methane Quantification

Daniel Iver Nunez Salguero, EMISSAI LLC

11:30 am - 11:55 am

ME-16 Automated QA/QC and Uncertainty Modelling in Major LNG Assets

Caelum Camps, Breah Tanner, Brandon Law, Jeff Watchorn, Validere Technologies

B

SESSION 1B: Building a Methane Program that Works

10:15 am – 10:40 am

ME-12 Characteristics of a Successful Methane Emission Reduction Program

Kathleen Jenkins, Bridger Photonics

10:40 am – 11:05 am

ME-38 History of Methane Mitigation Across Sectors: Results, Lessons Learned, and Planning for the Future

James Tangeman, JT320 Air Solutions Consulting

11:05 am - 11:30 am

ME-9 Using Public Data to Improve Your Inventory

Kerry Weichsel, Michele Rowe, Iconic Air

11:30 am - 11:55 am

ME-32 Locate, Quantify, Prioritize: The Data Analytics Behind Methane Emissions Surveys

Rob Stark, SENSIT Technologies

12:00 pm – 1:00 pm
Lunch for all sessions

CONFERENCE PROGRAM

SESSION SCHEDULE – Tuesday, February 16

SESSION 2A: Landfill Quantification: UAV, Robotics, and Dispersion Modeling

1:00 pm - 1:25 pm

ME-2 Reverse Air Modeling Fugitive Methane Emissions with Drones

Jeff Leadford, SCS Engineers

1:25 pm - 1:50 pm

ME-3 Advancing Drone and Robotics Technologies for Methane Solutions

Chloe Lindgren, Evelyn Martinez, SCS Engineers

1:50 pm - 2:15 pm

ME-40 Mapping Methane Emissions from Urban Landfills Using UAV Systems

Suad Muradov, Tarek Abichou, Florida State University

2:15 pm - 2:40 pm

ME-24 Modeling Methane Emissions from the McCarty Landfill in Houston

Arash Kashfi Yeganeh, Bernhard Rappenglueck, University of Houston

SESSION 2B: Operational Practice

1:00 pm - 1:25 pm

ME-31 Scaling Methane Quantification Across 3 Million Miles of Pipe

Rob Stark, SENSIT Technologies

1:25 pm - 1:50 pm

ME-22 Operational Fingerprints: Connecting Continuous Emissions Monitoring, SCADA, and Process Safety

Gage McCoy, Andrew Walsh, Ben Montgomery, Qube Technologies

1:50 pm - 2:15 pm

ME-26 A Transferable Methane Intelligence Framework Across Industries

Graham Clarke, Shirook Ali, Rama Goparaju, Ecosystem Informatics

2:15 pm - 2:40 pm

ME-5 Combustion Technology Advancements and Techniques for Methane Abatement

Rich Grzank, Sandy Beal, Anguil Environmental Systems, Inc.

2:40 pm - 3:00 pm

Networking Break and Exhibition Viewing

Session 3A: Measurement Science and Method Validation

3:00 pm - 3:25 pm

ME-34 Calibration Methodology for Methane Isotope Measurements with a Picarro Analyzer

Saeed Tavakhsh, Bernhard Rappenglueck, University of Houston

3:25 pm - 3:50 pm

ME-37 Physics-Based Framework for Standardized Evaluation of Methane Column Imaging Systems

Rebecca Martino, David Risk, Saint Francis Xavier University

3:50 pm - 4:15 pm

ME-40 Detecting and Quantifying Landfill Methane in Winter: A Controlled-Release Comparison Across Seasons

Nadia Tarakki, Regina Gonzalez Moguel, Rafee Hossain, Pylyp Buntov, Yurii Dudak, Tarek Abichou, David Risk, Saint Francis Xavier University

4:15 pm - 4:40 pm

ME-40 A Hub for Landfill Methane Management and Measurement Technology Assessment: The Three Rivers Waste Authority Regional Landfill

Caroline Saul, Environmental Research & Education Foundation; Tarek Abichou, FAMU-FSU College of Engineering

Session 3B: LDAR in Practice

3:00 pm - 3:25 pm

ME-4 Finding More, Emitting Less - A Methane Reduction Case Study

Mike Kupper, Andrew Sheffler, Onterris

3:25 pm - 3:50 pm

ME-11 Methane You Can't See Exists Everywhere: Lessons Learned Applying OGI Beyond Traditional Oil & Gas

Craig O'Neill, TeledyneFLIR

3:50 pm - 4:15 pm

ME-23 Beyond Compliance: Using LDAR KPIs and Data Visualization to Drive Continuous Improvement

Kerry Weichsel, Michele Rowe, Iconic Air

4:15 pm - 4:40 pm

ME-35 Inside the Fenceline: Intrinsically Safe Continuous Monitoring for Scalable Methane Reduction

Rob Stark, SENSIT Technologies

CONFERENCE PROGRAM

SESSION SCHEDULE – Tuesday, February 16 con't.

Networking Reception

4:45 pm - 6:00 pm

Join sponsors, speakers, and conference attendees for a networking reception in the hall and on the patio.

SESSION SCHEDULE – Wednesday, February 17

Session 4 Panel: Certifying Gas Across the Supply Chain — From Offshore Platforms to Data Centers

8:00 am - 10:00 am

As demand for certified natural gas grows, this panel explores methane measurement, monitoring, and certification across offshore platforms and emerging demand sectors such as data centers. Industry experts will discuss the challenges of certifying offshore operations under the MiQ standard, tracking upstream methane emissions, and how growing natural gas demand from data centers is creating new opportunities for methane reduction through supply chain transparency, certification, and purchasing decisions. The session will feature perspectives from operators, producers, certifiers, consultants, and aerial sensing experts, with audience Q&A.

10:00 am - 10:15 am

Networking Break and Exhibition Viewing

CONFERENCE PROGRAM

SESSION SCHEDULE – Wednesday, February 17, con't.

SESSION 4A: Flares, Combustion and Emission Control

10:15 am - 10:40 am

ME-10 **Temporal Variability of Black Carbon in Jakarta and Bandung, Indonesia**
Roger Nounou, Flotek Industries

10:40 am - 11:05 am

ME-33 **Quantifying Flare Emissions Remotely Using SVISR**
Yousheng Zeng, Jon Morris, Hans Laine, Michael Morris, Johnny Nelson, Providence Photonics

11:05 am - 11:30 am

ME-28 **Mobile Gas Incinerator for Control of Low-Volume and Intermittent Sources of Methane Emissions**
Parthib Rao, Patryk Radyjowski, David Carlson, Jhoan Loza, Chien-hua Chen, Advanced Cooling Technologies, Inc.

SESSION 4B: Monitoring Networks and Field Studies

10:15 am - 10:40 am

ME-6 **Holistic Methane Monitoring Programs at Landfills using Multiple Technologies and Monitoring Methods**
Patrick Sullivan, SCS Engineers, Inc.

10:40 am - 11:05 am

ME-14 **Continuous Fixed-Sensor vs. Periodic SEM Monitoring: A Landfill Case Study**
Daniel Jardine, Lyten, Inc.; Patrick Sullivan, SCS Engineers; Yunha Lee; Ajay Vemuru

11:05 am - 11:30 am

ME-20 **Methane Monitoring Techniques at Landfills**
Teresa Espy, Diamond Scientific

11:30 am - 11:55 am

ME-15 **Satellite Methane Monitoring: Capabilities, Limitations, and Practical Integration with LDAR**
Gilad Shpitzer, Atmosfir Optics, Ltd.

12:00 pm - 1:00 pm

Networking Break and Exhibition Viewing

SESSION 5A: Emerging Sensing Platforms and Conversion Pathways

1:00 pm - 1:25 pm

ME-19 **Landfill Methane Avoidance and RNG Production with Low Emissions via MSW Gasification**
David Osborne, Richard Todd, Michael Palasch, Jason Selzer, Norton Engineering

1:25 pm - 1:50 pm

ME-21 **From Laboratory Analysis to Continuous Monitoring: Advances in Methane Measurement**
Jenna Granstra, Antonios Tasoglou, Clinton Trasher, Onterris,

1:50 pm - 2:15 pm

ME-28 **A Novel, Metal-Oxide Based Instrument for Quantification of Methane Emissions**
Anna Farquhar, Geoff Henshaw, Matthew Walbran, Lena Weissert, Aeroqual Ltd.

2:15 pm - 2:40 pm

ME-18 **Criteria for Selecting MSW-to-RNG Conversion Pathways**
David Osborne, Richard Todd, Michael Palasch, Jason Selzer, Norton Engineering

SESSION 5B: Policy, Markets, and Regulation Roundtable

1:00 pm - 1:25 pm

ME-7 **The Next Generation of Methane Regulation: Policy, Compliance, and Risk**
Megan Morgan, Megan Brillault, Beveridge & Diamond, P.C.

1:25 pm - 1:50 pm

ME-13 **From Bison to Bakken: Understanding Methane in North Dakota**
Russell Martin, North Dakota Department of Environmental Quality

1:50 pm - 2:15 pm

ME-17 **Assessing Methane Leak Rates from Marginal Conventional Oil and Gas Wells in the Appalachian Basin**
Natalie Pekney, Matthew Reeder, Research and Innovation Center, National Energy Technology Laboratory; V. Raghava Gorantla, Leidos

CONFERENCE PROGRAM

SESSION SCHEDULE – Wednesday, November 11

2:40 pm - 2:50 pm

Networking Break and Exhibition Viewing

SESSION 6: Panel: Methane Frontiers: LCAs, Blockchain, and Certification

2:50 pm - 4:20 pm

Leveraging blockchain concepts to capture lifecycle emissions in the natural gas value chain has always been a great idea in concept. This session will provide some insights on the current and future states of how this is playing out in the marketplace. From AI enhanced tools to scale the generation and verification of monthly emissions payloads over entire portfolios to new carbon certification pathways applicable to fossil fuels, this panel will discuss what strategies are emerging as practically ambitious means to capture value, quantify emissions, and respond to contractual and marketing requests and requirements.

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About the Air & Waste Management Association



Founded in 1907, the Air & Waste Management Association is a nonprofit, nonpartisan professional organization that enhances knowledge and expertise by providing a neutral forum for the exchange of information, technology, and environmental solutions, professional development, networking, and public education to thousands of members and an even greater audience of environmental professionals worldwide. A&WMA also promotes global environmental responsibility and increases the effectiveness of organizations to make critical decisions that benefit society. For more information, please visit www.awma.org.