

4C Health, Safety, & Environmental Conference



8th Annual Conference

April 3-5, 2018

San Antonio, Texas

JW Marriott San Antonio Hill Country Resort & Spa

Advance Program

#4C2018 4cconference.com

ABOUT THE CONFERENCE

The 4C Mission

4C's mission is based on the core belief that involvement is key for compliance professionals. We believe when people come together to connect, they influence change that better environmental practices of the entire community. The 4C mission is to provide an environment where compliance professionals come together to [collaborate](#) and [connect](#) with peers, and [contribute](#) to industry [compliance](#), (that's where the 4Cs come from).

The 4C Conference

The conference began in 2011 as the LDAR, BWON, Tanks, and Flares (LBTF) conference, and has witnessed steady growth since its inception. It has developed into a cornerstone networking event and educational opportunity for HSE industry members, subject matter experts, and vendors alike.

The huge amount of cutting-edge content the 4C Conference offers, and the opportunities it affords to vendors will ensure 4C's continued success and growth as an industry renowned event.

Through the 4C Marketplace, 4C HSE Conference creates a live space for Health, Safety and Environmental (HSE) professionals to connect face-to-face on a yearly basis. We hope you join your peers and industry experts April 3rd-5th in San Antonio, Texas as they share insights and best practices on the most significant environmental topics of the day.

2018 4C Conference - April 3-5, 2018

The 4C Conference focuses on environmental regulatory, policy, health & safety issues, best practices, and technological advancements in the industry.

The training courses are designed to educate facility managers, technical personnel, and newly appointed HSE staff on existing and new health, safety, and environmental compliance strategies and best practices.

Presentation sessions are offered on more than 10 topic tracks and range from introductory content to advanced topics, applications, and case studies.

300+ decision makers, managers, and representatives from 90+ refinery and petrochemical plants and service providers attend, giving attendees the opportunity to connect with peers who share professional education goals, experience the same challenges and opportunities in the refining and petrochemical industries.

The 2018 conference will be held at the JW Marriott San Antonio Hill Country Resort & Spa from April 3rd to 5th 2018.

2018 CONFERENCE PROGRAMMING

4C conference is proud to offer attendees the largest and highest-quality collection of presentations, training courses, and networking opportunities. 2018 is the 8th annual conference, and we're excited to bring attendees the best programming yet.

2018 Keynote Address Speakers



Steve Probst
CEO & Founder, 4C Marketplace



David Friedman
Vice President, Regulatory Affairs
at AFPM



Ken Garing
Chemical Engineer at US EPA

2018 Presentation Tracks

Air Permitting	Fugitive Emissions Prevention
Benzene Waste Operations NESHAPs (BWON)	LDAR
Continuous Emissions Monitoring Systems (CEMS)	Oil & Gas
Environmental Legal	Risk Management Planning & Process Safety Management
Emergency Planning and Community Right-to-Know Act & Toxic Release Inventory (EPCRA/TRI)	Wastewater
Flares	Tanks

2018 TRAINING COURSES

A Roadmap to the Future of Air Quality Permitting

Instructor(s)

Robert Opiela - Co-Founder, NaviKnow Solutions

Course Length

2 Hours

Course Description

In this 2-hour course, you will become aware of the resources and tools available online that can help you expedite the air quality permitting process, where you can go to access them, how to put them into action now, and what paradigm shifts are to come in the future for air quality permitting.

To determine if a project triggers federal or state permitting requirements or the current BACT for a facility, data is needed to answer these questions and many more. The permit application must contain justifications for all selections, claims, and decisions or the permitting review process gets bogged down. Learn what technologies are available today and which ones can be leveraged in the not too distant future that will accelerate the permit application preparation and review processes.

Topics Covered

Air Quality Permitting Process
Air Emissions Inventory Data
Ambient Air Monitoring Data
Air Quality Permitting Data

Advanced topics in Quantitative Optical Gas Imaging

Instructor(s)

Jon Morris - Manager, Strategic Technology and Applied Research, Providence Engineering

Course Length

8 Hours

Course Description

Optical gas imaging (OGI) continues to gain acceptance in the petroleum and petrochemical industries for both safety and environmental applications. The new NSPS OOOOa and BLM regulations for the oil and gas sector both allow for OGI as the primary Leak Detection and Repair (LDAR) technology. These new regulations bring new requirements for OGI inspections and operators choosing to use OGI as a compliance tool. In addition, the field of OGI continues to advance with new methods, new sensor technology and new applications emerging. A QOGI method is now available to provide real-time measurements of leak rates.

This course will review the fundamental aspects of optical gas imaging and describe how they relate to the new OGI related regulations. The OGI related requirements for a OOOOa compliant monitoring plan will also be examined. A Quantitative Optical Gas Imaging method will be presented along with results from blind testing and side-by-side comparisons to other quantitative methods. Applications for QOGI in the oil and gas sector will be presented and discussed. The course will conclude with a survey of the latest developments in the field of Optical Gas Imaging with an emphasis on applications for the petroleum and petrochemical industries.

Air Permitting Essentials

Instructor(s)

Johnny Vermillion - Air Permitting Expert, Spirit Environmental
Zachary Byrd - Air Quality Consultant, Spirit Environmental

Course Length

8 Hours

Course Description

This 1 day introductory course is designed grow your knowledge of the fundamentals of air permitting from the basic structure of relevant air regulations to the types of air emission sources you need to know.

Air Permitting for Experts

Instructor(s)

Les Montgomery - Vice President, RPS Group
Robin Patrick - Manager, Air Quality, RPS Group
Albert Kennedy - Senior Consultant, RPS Group

Course Length

16 Hours

Course Description

This course is designed to provide a forum for those who already have considerable air permitting experience an environment to interact with each other and the trainers to share experiences regarding some of the nuances of air permitting policy, regulations, and guidance. The examples provided in the class will provide a framework to explore and discuss some of the “gray areas” that can make air permitting challenging. The primary focus of the training will be federal new source review (NSR).

Topics Covered

Recent Federal NSR Policy Shifts
Federal NSR Applicability Determinations
Demand Growth Exclusion (What Could Have Been Accommodated)
Permit Application Requirements and Procedures
Dispersion Modeling for the Permit Manager
Other PSD Requirements (Visibility, etc.)
Plant-wide Applicability Limit Permits
Nonattainment NSR
Minor Source Permitting

BWON Fundamentals – Implementing a Comprehensive BWON Program

Instructor(s)

Calvin Niss - Senior Vice President, Trihydro Corporation
Erin Novini - Chemical Engineer, P.E., Trihydro Corporation

Course Length

8 Hours

Course Description

In this full day workshop, Trihydro will show you how to implement a BWON compliance program efficiently and cost effectively. We realize that things change and people change – this training will help those who are just stepping into BWON roles or who have been in their roles for less than 5 years. Our experienced team has assisted over 50 refinery and

chemical plants with BWON consent decree compliance, auditing, and program implementation since the inception of the rule in 1992.

CAD + Compliance Excellence (AutoCAD + Plant3D + Revit)

Instructor(s)

Shale Robison - Business Development and Technology Consultant for CAD/BIM, Environmental Intellect
Mike Johnson - President, EiCAD, LLC
Derrick Ledet - CAD Support Lead, Environmental Intellect

Course Length

16 Hours

Course Description

This 2-Day Workshop will foster a rich exchange of CAD knowledge and discussion on how CAD + Compliance Professionals can work together to elevate various compliance programs, including but not limited to PSM, LDAR, BWON, and RSR. On the agenda: easy-and-inexpensive electronic P&ID highlighting, as-built updates of P&IDs and isometrics, as well as 3D laser scan technology.

Combustion Optimization Training

Instructor(s)

Mike Sanders - Principal Engineer, Alpha3 Consulting LLC
John Bacon - Senior Project Manager, TRC Companies, Inc.

Course Length

4 Hours

Continuous Emissions Monitoring Systems (CEMS) Essentials

Instructor(s)

Tim Kuiken - National Sales Manager, M&C TechGroup

Course Length

8 Hours

Course Description

The training session will cover the fundamentals of continuous emissions monitoring systems (CEMS) from the regulatory drivers requiring CEMS, to CEMS equipment, design, control, and reporting software. The class will discuss the various types of CEMS including fully extractive cold/dry, hot/wet, dilution extractive, and in-situ as well as hardware including probes, sample line, coolers, filters, analyzers, controllers, and data acquisition and handling systems (DAHS).

Topics Covered: CEMS, DAHS, probes, coolers, filters, analyzers, FTIR, TDL, opacity, mercury, particulate monitors

Essentials of Air Permitting & Compliance for Chemical Plants

Instructor(s)

Kevin Moin - Owner, RECES, LLC

Course Length

2 Hours

Course Description

Chemical facilities have a unique set of air permitting and compliance concerns, primarily due to the inherent nature of ever-changing raw materials and products that are handled. During this course, Kevin Moin, P.E. will present strategies that him and his team have pioneered for air permitting and compliance, which have proven successful in effectively securing air permits that provide maximum operational flexibility, as well as pragmatic tools in demonstrating on-going compliance.

Flares Essentials

Instructor(s)

Troy Boley - Vice President & Co-Founder, Spectrum Environmental Solutions

Course Length

8 Hours

Course Description

Flares have found their way to the top of EPA's list of priorities – from a National Enforcement Initiative to Consent Decrees, to NSPS Subpart Ja. The Flares Essentials course discusses the finer points of these regulations, walks you through the fundamentals of flaring, and uncovers opportunities for you to maximize your flare performance. It's the right training at the right time to build a flares foundation for the future.

Flares for Experts

Instructor(s)

Michael Hahn - Key Accounts Manager, Baker Hughes a GE Company

Course Length

16 Hours

Course Description

This course will cover the following topics:

Net heating values in the combustion zone

Flare measurements along with a Gas Chromatograph

Flare measurements along with a calorimeter

Flare measurements along with a mass spec

Flare measurements using Gas Chromatograph and calorimeter

FTIR

Panel discussing the 4 different flare measurement techniques

Automation of RSR. Targets for 98% destructions efficiency and 270 BTU/SCF

Guideware Software Training

Instructor(s)

Greg Sherman - Project Manager, GuideWare Systems
Ben Hopkins - Lead Programmer, GuideWare Systems
Jeremy McLeod - Accounts Manager, GuideWare Systems

Course Length

8 Hours

Course Description

Learn what is new in the GuideWare LDAR software, and how to utilize its newest, advanced features to enhance and improve your LDAR program.

Topics Covered

What's new in GuideWare version 2.5
Using Smart P&ID Drawings for your Inventory Jobs
GuideWare's New Scheduling Tool
Introducing 'GuideWare Connect' Mobile Connection Application
Database QA/QC - The Snapshot Reporting Tool
Audit Survival Tools - Learn how to audit your own data
Setting up OOOOa in GuideWare
Inspection Workflow with an Android Tablet and the IR Camera
Introducing GuideWare Fenceline Monitoring Web Application

HSE Leadership Excellence

Instructor(s)

Shane Kling - Founder + Chemical Engineer, Environmental Intellect
Eric Allen - CEO, Environmental Intellect
Shale Robison - Business Development and Technology Consultant for CAD/BIM, EICAD, LLC

Course Length

4 Hours

Course Description

Leadership in HSE is underrated - especially when the "cost of noncompliance" can result in NOVs, CDs and other "ugly" acronyms. This ½ Day Workshop will feature 4 presentations by various HSE Leaders to share lessons learned, knowledge and wisdom to guide early HSE professionals to senior-level HSE and Plant managers.

In-Situ Remediation of Hydrocarbon and Saltwater Impacted Soils

Instructor(s)

Buddy Gaertner - President, Integro Solutions

Course Length

4 Hours

Course Description

The workshop would provide an overview on delineation and remediation of both hydrocarbon and saltwater contaminated soils. It will cover the major mechanisms that contribute to environmental degradation of soils due to contamination by these two constituents. These include toxic substances, hydrophobicity of soil, osmotic imbalance by dissolved solids as well as sodicity of soil. Course will include approaches to delineation of spill with considerations for both economics and diligence. Finally, it will include remediation strategies with an emphasis on in-situ strategies.

Topics Covered

Soil Remediation

Accidental Releases

Spills

Hydrocarbon Contamination

Saltwater Contamination

Intermediate Air Permitting

Instructor(s)

Johnny Vermillion - Air Permitting Expert, Spirit Environmental

Leah Pullin - Senior Project Manager, Spirit Environmental

Aaron Hebert - Air Quality Consultant, Spirit Environmental

Course Length

8 Hours

LDAR – Beyond Basics and Underneath the Rules

Instructor(s)

Brian Whitley - Vice President of Compliance, EMSI

Course Length

16 Hours

Course Description

An in depth look at LDAR Basics from a fresh perspective.

LDAR Excellence

Instructor(s)

Shane Kling - Founder + Chemical Engineer, Environmental Intellect

Course Length

16 Hours

Course Description

A 2.5-Day intense dive into best practices, continuous improvement and new-generation technology for all things Leak Detection and Repair / Fugitive Emissions. This workshop will feature discussion on LDAR program revalidation, as well as technology, tools and work practices to help elevate your LDAR program to excellence with cost-effective and efficient opportunities for improvement.

Model-Free Adaptive Control for Flares and Wastewater

Instructor(s)

George Cheng - CEO, CyboSoft

Course Length

4 Hours

Course Description

Most refinery and chemical plants operate flares to burn off waste gas for operational and safety reasons. The vent gas heating value of a flare must be monitored and controlled to meet EPA regulations. For steam-assisted or air-assisted flares, the net heating value of the gas being combusted must be 300 Btu/scf or greater. When the waste gas heating value is below this limit, supplemental gas, such as natural gas, must be added to assure sufficient combustion and minimal emission.

There are online calorimeters on the market for heating value measurement. However, adding a heating value (HV) control loop can be a challenging task due to the following reasons: (1) There are large and varying time delays in the HV control loop; (2) The HV process is nonlinear in different operating conditions; (3) Multiple waste gas streams in a plant are sent to the flare stack, where stream flows can vary widely causing big disturbances to the heating value; (4) The HV of each waste gas stream may change widely under operating condition changes; and (5) Nitrogen is often used as purge gas to keep positive pressure in the vent pipe, making the process more complex. The flare process is difficult to control using conventional PID controllers. Model-based control can be costly to develop and maintain due to the complexity and uncertainties of the flare process.

In this training class, we will show the behavior of a typical flare process by running a real-time flare heating value process model. We will compare the control performance of different control methods by running control simulations. Lastly, we will present the results of a flare heating value control system using Model-Free Adaptive (MFA) control technology in a petrochemical plant.

In the Q&A session, we can discuss: (1) new EPA regulations relating to steam or air over-assisting problems, which are commonly seen in refineries where vent gas may have high heating values, and (2) implementation of MFA control systems for your specific applications.

Oil & Gas Air Regulations – What You Need to Focus on Now

Instructor(s)

Jay Christopher - Senior Scientist, Trihydro
Calvin Niss - Senior Vice President, Trihydro
Jana White - PhD Ecologist, Trihydro

Course Length

8 Hours

Course Description

The oil and gas sector has seen massive regulatory change since 2016, particularly with respect to air compliance requirements. Regulations have issued, withdrawn, and modified by multiple regulatory agencies. In addition, challenges to some of these regulations have been made in the courts. The end result is a confusing mix of regulations, policies and expectations.

This workshop will provide some clarity and direction about what the oil and gas sector should be doing now. While not providing formal legal guidance, the workshop will address the compliance challenges confronting upstream and midstream oil and gas companies in meeting EPA and BLM regulations, as well as some evolving issues at the State level. We will particularly focus on EPA's New Source Performance Standard (NSPS) OOOOa requirements around the implementation of a volatile organic compound (VOC) and methane leak detection and repair (LDAR) monitoring and reporting program as well as associated with the final Bureau of Land Management (BLM) venting and flaring rule (e.g., Waste Prevention) requirements. We will also provide some insights and approaches to recordkeeping and reporting approaches under these programs.

Optical Gas Imaging

Instructor(s)

Bill Schwann - Thermography Instructor, Level III Thermographer, Infrared Training Center

Course Length

8 Hours

Course Description

Offered by FLIR Systems, this course covers the regulatory framework for optical gas imaging, the OGI certification process, how to use the IR camera to find leaks, how optical gas image is a combination of art, science, technique, and interpretive skills, and the basic safety practices for doing an OGI inspection.

PSM Excellence / PHA Best Practices

Instructor(s)

Environmental Intellect

Course Length

4 Hours

Course Description

A workshop dedicated to best practices for PSM compliance, implementation, and ongoing continuous improvement, including PHA revalidation techniques and technology (e.g., PHA Pro), auditing, and P&ID-driven PSI updates!

Led by: Ei's PSM Team

Refinery Sector Rule Focused Compliance

Instructor(s)

Jeremy Sell - Air Compliance Team Leader, Trihydro Corporation
Stephen Walls - Air Permitting Engineer, Trihydro Corporation
Rebecca Bradley - Environmental Engineer, Trihydro Corporation

Course Length

8 Hours

Course Description

Since the February 1, 2016 promulgation date, refineries have been scrambling to meet compliance deadlines in the revised MACT Subparts CC and UUU regulations, collectively known as the Refinery Sector Rule (RSR). This workshop begins by providing an overview of the regulatory requirements and compliance deadlines of affected sources including storage vessels, process vents, fenceline monitoring, flares, catalytic cracking units, and other refinery process units (e.g., sulfur recovery units, reformers, and cokers). The remainder of the workshop will provide a more detailed and focused look at specific compliance elements for each affected source. The workshop will explore possible methods for identifying flare events, vent gas monitoring options and development of written plans for refinery flares. Establishing fenceline monitoring programs and managing data will also be covered. This workshop will also look at managing process vents and pressure relief device programs under the RSR. We will present shared learnings from development of RSR compliance programs when possible to assist refineries in achieving future compliance.

Stack Testing Essentials & Advanced Stack Testing

Instructor(s)

Chris LeMay - CEO, Alliance Source Testing
Jordan Laster - V.P., Analytical Services, Alliance Source Testing

Course Length

(2) 4-Hour Sessions

Course Description

The goal of this training session is to familiarize attendees with the steps necessary to conduct a successful stack test starting with the initial proposal request through submittal of the final test report. We will identify all of the items needed by the stack tester to design a test and discuss various test methods and the challenges encountered when conducting each of them. This will be an interactive session where attendees will have the opportunity to gain hands-on experience with some test equipment and ask questions about their specific situations and learn from the experiences of the stack tester as well as those of their peers.

Topics Covered

Stack Testing 101...Preparing for a successful stack test (morning)
Challenges to measuring low-level PM
Challenges to measuring VOCs

Stack Testing for Particulate Matter

Instructor(s)

David Elam - Principal, TRC Solutions

Course Length

8 Hours

Tanks Essentials

Instructor(s)

Jim Miller - Sr. Air Quality Engineer, RPS Group

Course Length

8 Hours

Course Description

When it comes to storage tanks, sorting through the applicable requirements and calculation options can be very confusing and we are here to help you get it right. Our Tanks Essentials Workshop is ideal for anyone who has responsibility for complying with or enforcing air permits/regulations for storage tanks. We cover topics ranging from tank design and control technologies to emissions estimating to rule compliance.

Valve Essentials

Course Length

8 Hours

Course Description

One-day education program designed to jump-start your career or provide a refresher on valve, actuator and control basics

What topics are covered?

Introduction to valve basics

Multi-turn valves: gate, globe, needle, pinch and diaphragm valves

Self-acting valves: check valves

Quarter-turn valves: ball, plug and butterfly valves

Common design features: end connections, gaskets, bonnets, stems, stem seals, seats, backseats and trims

Topics relating to valve ratings, materials, testing and more

What do attendees receive?

Certificate of completion

Lunch, snacks and drink

Valve Essentials Workbook with notes from the course

Print copy of Valve World Americas journal Digital subscription to Valve World Americas journal

Who should attend?

Newcomers to the valve industry-employees at plants and facilities that use valves and related equipment

Professionals with experience in one area or product type who need an overview of entire spectrum of valve equipment

Manufacturers and distributors who sell valve products

Companies that supply and service the valve industry

Video Imaging Spectral Radiometry as an Alternative Monitoring Method for the Refinery Sector Rule

Instructor(s)

Yousheng Zeng - CEO, Providence Photonics

Course Length

8 Hours

Course Description

Instrumentation for flare monitoring has been focused on the feed side, e.g., flow rate of vent gas and supplemental fuel, composition, net heating value, steam or air flow rate, etc. There is no instrumentation to provide feedback to the flare operator on how the flare is actually performing. This is due to the lack of technology that can continuously monitor the result of flare combustion. While other process units such as furnaces, reactors, scrubbers, etc. always have instruments to provide feedback, the flare is operated in the dark.

Now a new technology has been developed that can be used to remotely monitor flare performance and provide instant feedback to a flare operator. The technology is called Video Imaging Spectro-Radiometry (VISR), and it has been validated with full scale flares and extractive sampling tests. With VISR, a flare operator will have a dashboard that provides essential flare operation and performance parameters including directly measured combustion efficiency, level of smoke, flame stability, flame size, and heat released from flare combustion. With this flare dashboard, an operator finally has the information needed to operate the flare at peak performance day or night.

This course will cover flare feed side instrumentation (flow, temperature, pressure, online gas chromatography (GC) and calorimeter), VISR technology, and flare dashboard. Relevant regulatory compliance topics such as flare monitoring requirements in the Refinery Sector Rule will also be included in this class.

Wastewater Essentials for Refining and Petrochemical Facilities

Instructor(s)

Michael Foster - Owner and Principal Consultant, Environmental Business Specialists, LLC

Tim O'Connor - Environmental Specialist, Environmental Business Specialists, LLC

Course Length

8 Hours

Course Description

This one-day course is intended to provide basic to intermediate level wastewater training to managers, engineers, and technical support personnel involved in the operation and/or oversight of industrial activated sludge systems, particularly in the petroleum refining and petrochemical industries. While the majority of the material will focus on understanding, monitoring, and optimizing biological treatment systems, the course will also cover the history and rationale of industrial wastewater treatment; pretreatment technologies; wastewater characterization; and treatability assessments.

Topics Covered

Introduction and Historical Perspective

Wastewater Constituents and Pretreatment Approaches

Wastewater Characterization and Treatability Studies

Biological Treatment and the Eight Growth Pressures

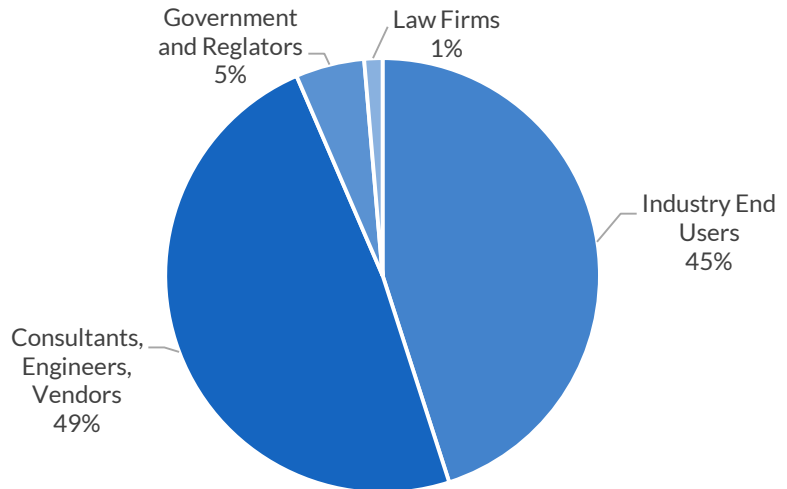
Basics of Activated Sludge Treatment

Wastewater Microbiology and Microscopic Examination

Nitrification and Denitrification

ABOUT THE CONFERENCE

Distribution of Attendees by Industry Affiliation



4C Attendees are interested in the following types of information:

- Presentations given by industry and subject matter experts
- Best practices in health, safety, and environmental compliance
- Cutting-edge technological demonstrations
- Innovative and implementable compliance policies
- Case studies demonstrating best practices, lessons learned, and pitfalls avoided
- Continuing education opportunities

What Industries Attend the 4C Conference?

Biofuels	Non-Profits
Chemicals	Other
Construction	Pipeline, Oil and Gas
Consulting	Pulp and Paper
Contractors	Refinery / Petrochemical
E&P, Oil and Gas	Retail
Education	State Agency
Energy	Stone Clay Glass & Concrete Products
Engineering	Technology
Food and Beverage	Terminals
Government	Testing Laboratories
Law Firms	University/College
Manufacturing	Unknown
Media	Utilities
Nonprofit	Industry Vendors

SCHEDULE OF EVENTS

THANK YOU TO OUR 2018 SPONSORS!

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Environmental Systems Corporation
Elite Sponsor

M&C TechGroup
Elite Sponsor

EMSI
Gold Sponsor

LDARtools
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Summit Inspection Services
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Inspection Logic
Bronze Sponsor

Industrial Specialty Services
Bronze Sponsor

EBS Biowizard
Water Bottle Sponsor

Monday

12:00 pm – 5:00 pm

April 2, 2018

Registration/Badge Pickup

Tuesday

6:00 am – 5:00 pm

Registration/Badge Pickup

8:00 am – 9:00 am

Keynote Address

9:00 am – 10:00 am

Breakfast

10:00 am – 5:00 pm

Presentation Sessions

11:00 am – 1:00 pm

Lunch

11:00 am

Lunch Session 1
Air Permitting Track
BWON Track
CEMS Track

11:30 am

Lunch Session 2
Environmental Legal Track
EPCRA/TRI Track
Flares Track

12:00 pm

Lunch Session 3
Fugitive Emissions/LDAR Track
GWSR Track
Oil & Gas Track

12:30 pm

Lunch Session 4
RMP & PSM Track
Wastewater Track
Tanks Track

2:00 pm – 4:00 pm

Afternoon Break

2:00 pm

Afternoon Break Session 1
Air Permitting Track
BWON Track
CEMS Track

2:30 pm

Afternoon Break Session 2
Environmental Legal Track
EPCRA/TRI Track
Flares Track

INTERESTED IN SPONSORING OR EXHIBITING?

Visit the [Become a Sponsor](#) or [Become an Exhibitor](#) pages on the conference website. Or, contact **Nick Jourdan** at 210-241-4895 or nick@4cmarketplace.com

3:00 pm	Afternoon Break Session 3 <i>Fugitive Emissions/LDAR Track</i> <i>GWSR Track</i> <i>Oil & Gas Track</i>
3:30 pm	Lunch Session 4 <i>RMP & PSM Track</i> <i>Wastewater Track</i> <i>Tanks Track</i>
5:00 pm – 7:00 pm	Dinner
7:00 pm – 11:00 pm	Conference Reception & Concert

Wednesday

April 4, 2018

6:00 am – 5:00 pm	Registration/Badge Pickup
8:00 am – 5:00 pm	Training Courses
11:00 am – 1:00 pm	Lunch
11:00 am	Lunch Session 1
11:30 am	Lunch Session 2
12:00 pm	Lunch Session 3
12:30 pm	Lunch Session 4
2:00 pm – 3:00 pm	Afternoon Break

Thursday

April 5, 2018

6:00 am – 5:00 pm	Registration/Badge Pickup
8:00 am – 5:00 pm	Training Courses
11:00 am – 1:00 pm	Lunch
2:00 pm – 3:00 pm	Afternoon Break

HOW TO REGISTER

1. Conference Registration

Visit 4conference.com then click the "Register Now" button. Full Conference registration includes admission to the keynote address, presentation sessions, training courses, conference meals, and events. For registration types, associated costs, and a La Carte registration options, refer to the pricing table on the next page.

2. Payment

Pay by credit card or check. 4C accepts Visa, Mastercard, American Express and Discover.

3. Confirmation

Your registration will be confirmed via email at the email address you provided during registration.

4. Hotel Reservations

Reserve your hotel online by visiting the [4C hotel reservation portal](#). You may also access the reservation portal using the link in your conference registration confirmation email.

March 19, 2018 is the cut-off date for making hotel reservations, cancellations, or substitutions through 4C or online.

Hotel Cancellation Policy

Cancellations must be made at least 72 hours prior to the 3 pm check-in time on the scheduled day of arrival. Cancellations made less than 72 hours before check-in time will be assessed a fee equal to one (1) room night plus tax.

5. Presentation Session Registration

If you select the Full Conference registration option, access to all presentation sessions is included in your registration cost. Registering for individual presentation sessions is not required. If you select the a La Carte registration option, you must select the Presentations Day option while registering to include it in your registration. Refer to the pricing table below for associated costs.

6. Training Course Registration

Full Conference and a La Carte registrants must register for training sessions in advance. The available classes are listed during the registration process. This allows the conference to forecast headcount and make necessary accommodations for each class. Once registered, you may make changes to your registered classes. Refunds and/or additional charges may apply based on the changes made.

7. Spouse Registration

For \$50, your spouse can join you at the conference dinner and evening event on Tuesday, April 3, 2018. Spouse registrations can be purchased at the registration booth during the conference.

8. Sponsorships

Sponsorship opportunities are available. Check the Become a Sponsor portion of the conference website, or contact **Nick Jourdan** at 210-241-4895, or by email at nick@4cmarketplace.com.

9. Attire

Business Casual (No tie; jacket optional)

10. Cancellation Policy

Conference registration cancellations made before March 4, 2018 are entitled to a full refund. Cancellations made between March 4, and March 19 are entitled to a 25% refund, and cancellations made after March 19 are not entitled to a refund.

11. Registration Type Eligibility & Fees

Industry Member Fee – This registration price is applicable to employees at production facilities and industry end-users.

Non-Industry Member Fee – This registration price is applicable to vendors, OEMs, or consultants.

4C reserves the right to confirm a registrant's industry affiliation and make any necessary adjustments to the registrant's registration.

a La Carte Registration Fee – Registrants who select the a La Carte registration option are subject to a \$150 registration fee in addition to other items in their registration.

2018 ATTENDEE REGISTRATION PRICING

Industry & Non-Industry Registration

4C HSE 2017 offers two registration pricing options. One for industry affiliated attendees, and one for non-industry affiliated attendees. In order to encourage industry attendance, we're happy to offer industry affiliated folks a reduced registration price.

Industry Members: Employees at production facilities and industry end-users.

Non-Industry: Vendors, OEMs, or consultants

Full Conference & a La Carte Options

In 2018 we're offering attendees even more flexibility when it comes to attending the conference. You can take advantage of everything 4C HSE has to offer for a flat rate, or you can choose what goes into your 4C experience from our a La Carte registration offerings and build your agenda to fit your schedule and budget.

Note: a La Carte registration includes a \$150 service fee.

Full Conference Registration

Registration Type	Registration Item	Price
Industry Member	Full Conference Registration	\$1,495
Non-Industry Member	Full Conference Registration	\$2,450

a La Carte Registration

Registration Type	Registration Item	Price
Industry Member	Presentation Day	\$825
	2-Day Course	\$950
	1-Day Course	\$425
	Workshops	\$295
Non-Industry Member	Presentation Day	\$1,275
	2-Day Course	\$1,475
	1-Day Course	\$575
	Workshops	\$350

Special Discounts

Registration Type	Registration Item	Price
Government Employee	Full Conference Registration	\$1,225
Student	Full Conference Registration	\$100