

Attend the 16th ISA LDAR-Fugitive Emissions Symposium in Denver to achieve a higher level of performance in your air compliance program.

Feel more confident that you are up-to-date on the latest and most effective practices in air compliance, air emission reduction, and Leak Detection and Repair (LDAR) strategies.

Attend the 16th ISA LDAR-Fugitive Emissions Symposium, where the world's leading experts and prominent government regulators will:

- Outline oil and gas industry initiatives
- Review current and upcoming emissions regulations
- Discuss regulations from the US EPA
- Gain the essential training needed to meet changing compliance demands and requirements
- Discover the latest technologies and solutions from leading LDAR vendors

Technical sessions will cover all essential topics, from LDAR design and validation to consent decree updates and common compliance challenges.

When:

16-19 May 2016

Where:

Hyatt Regency Denver Tech Center
7800 E. Tufts Avenue
Denver, CO 80237-3001

Conference Registration:

Early Bird (register by 30 April)

- Member: \$640
- Affiliate Member: \$725
- Non-member/Community: \$780

AFTER 30 April

- Member: \$740
- Affiliate: \$825
- Non-member/Community: \$880

Visit www.isa.org/LDAR/T2016 for event details and to register. Reference promo code **16TLDAR**.

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International Society of Automation
67 T.W. Alexander Drive
P.O. Box 12277
Research Triangle Park, NC 27709

LDAR Symposium 2016: The can't-miss event in the air compliance industry

By attending this year's LDAR Symposium and gaining high-value ISA technical training at the event, you'll optimize your time, and improve your knowledge and skills in the field of leak detection and repair. To register or learn more, visit www.isa.org/LDAR/T2016 or call +1 919-549-8411. Reference promo code **16TLDAR**.



Provider #1001262

ISA has been accredited as an Authorized Provider by the International Association for Continuing Education and Training (IACET). In obtaining this accreditation, ISA has demonstrated that it complies with the ANSI/IACET Standard which is recognized internationally as a standard of good practice. As a result of their Authorized Provider status, ISA is authorized to offer IACET CEUs for its programs that qualify under the ANSI/IACET Standard.



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Elevating LDAR

ISA's 16th Annual LDAR-Fugitive Emissions Symposium
16-19 May 2016
Hyatt Regency Denver Tech Center • Denver, CO USA



In conjunction with the 2016 LDAR Symposium, ISA is offering two invaluable training short courses:

- LDAR Best Practices - Advanced Edition (SP13PC)
- Implementation and Maintenance of LDAR Programs for Oil and Gas Sites (SP12PC)

**SAVE
with Training
and Conference
COMBO Pricing!**

Setting the Standard for Automation™

Maximize your learning experience during this year's LDAR Symposium.

Practical ISA technical training offered in conjunction with the event.

ISA will conduct these two highly-informative training short courses in conjunction with this year's LDAR Symposium:

- **LDAR Best Practices - Advanced Edition (SP13PC)**
- **Implementation and Maintenance of LDAR Programs for Oil and Gas Sites (SP12PC)**

ISA Training: World-class subject matter expertise

ISA's technical training courses are known and respected worldwide for their unbiased, practical approach to technology application. ISA meets the real-world training needs of automation and control professionals through flexible, customized training solutions. ISA courses, taught by industry and subject matter experts across a wide array of disciplines, enable students to immediately apply their knowledge and skills to the workplace.

Taking an ISA training course will:

- Enhance on-the-job training
- Fill in missing knowledge and skills gaps
- Teach the Hows and Whys
- Provide continuing education credits
- Expand professional networks

Course Details (each course)

8:00 a.m. – 4:00 pm
Hyatt Regency Denver
Tech Center
Denver, CO USA

CEUs (PDHs): 0.7 (7)
Training Course Registration:
US\$600 ISA Member
US\$755 Non-member

SAVE with Training and Conference Combo Pricing!
US\$1,240 ISA Member
US\$1,415 Affiliate Member
US\$1,550 Community Member/List

Reference promo code **16TL DAR** when you register.

***Special Savings!**

Space is limited—register early!

Expand your LDAR skills and knowledge!

LDAR Best Practices - Advanced Edition

Instructor: Deever Bradley
Course No.: SP13PC
Date: Tuesday, 17 May 2016

This one-day short course will provide a fast-paced, advanced overview with expert instruction and interpretation in a fun and relaxed environment covering frequently asked compliance questions encountered by the regulated community and LDAR contractors.

Using the twelve elements of the EPA's Model LDAR Program as a basis, this course will cover critical compliance questions that the regulated community and LDAR contractors wrestle with in implementing a robust LDAR program. It will provide expert advice interpretation on several key issues in each program element. The course will cover key rule provisions, examine EPA applicability determinations, demonstrate compliance issues through pictures and diagrams, and reinforce the

content through group questions and discussion. Attendees will gain a perspective on LDAR compliance beyond the basic provisions in EPA's Best Practices Guide, and come away more prepared to withstand a compliance audit.

You Will Cover:

- Applicability of State & Federal Requirements
- Key EPA Applicability Determinations
- Stringency/Rule Consolidation
- Advanced QA/QC Techniques and Forensic Database Analysis
- Enhanced LDAR Requirements

To register or learn more visit
www.isa.org/SP13PC/LDAR

Implementation and Maintenance of LDAR Programs for Oil and Gas Sites

Instructor: Calvin Niss
Course No.: SP12PC
Date: Friday, 20 May 2016

The regulatory world for upstream and midstream oil and natural gas operations is rapidly changing. Many of these sites are now receiving more scrutiny from regulatory agencies, particularly for their leak detection and repair (LDAR) programs. This short course is designed for the LDAR coordinator or individual responsible for the implementation and maintenance of the LDAR program at an upstream and/or midstream oil and natural gas site. The focus will be on definition of fundamental regulations, practical implementation strategies, and quality assurance/control programs to appropriately comply with federal and state regulations.

You Will Be Able To:

- Explain Applicable LDAR Regulations for upstream/midstream oil and natural gas: NSPS KKK | NSPS OOOO | Subpart W (Proposed) | MACT HH, and HHH
- Develop an LDAR quality assurance/control program
- Identify potential pitfalls that could result in potential violations
- Discuss and share best practices with other participants

You Will Cover:

- **Regulatory Review:** History | New Source Performance Standards | Hazardous Air Pollutant Standards | Anticipated Changes
- **Key Elements of a Successful LDAR Program:** Applicability Determinations | Identification of Leaking Equipment | Scheduling of Monitoring | Repair of Leaking Equipment | Identification of New Equipment/Management of Change | Maintenance | Program Documentation
- **Areas of Concern**
- **Quality Assurance/Control of Your LDAR Program**
- **Best Practices/Lessons Learned**

Classroom/Laboratory Exercises:

- Regulatory Review Case Studies
- P&ID Components and Application
- Problem Identification: Criteria, monitoring, and abnormal data patterns

To register or learn more visit
www.isa.org/SP12PC/LDAR

Leverage the experience of our expert instructors!



Donald D. (Deever) Bradley III, P.E. holds a Bachelor Degree in Chemical Engineering from Cornell University and is a licensed professional engineer in Texas. A Partner in ERM's Houston office and the Air Quality and Climate Change Practice Leader for ERM's Southern Division, he has 19 years of experience as an environmental consultant, focused primarily on air quality permitting and compliance for industrial clients throughout Texas and the Gulf Coast.

Bradley is ERM's subject matter expert for LDAR, with experience in nearly every aspect of it, including auditing, compliance, emissions estimation, forensic analysis, Method 21 monitoring, training, program development, and implementation, at more than 100 facilities across the US in the petroleum refining, chemical, pharmaceutical, and pipeline transportation industries. He has assisted clients in responding to enforcement actions related to NEIC, DOJ, and state LDAR investigations of civil violations of federal and state requirements as well as negotiation, auditing, and implementation of LDAR program enhancements under global Consent Decrees and Texas HRVOC rules.

As a regular presenter and trainer at LDAR conferences, Bradley has extensive knowledge of the various applicable state and federal LDAR regulations and expertise with leading commercial LDAR database software programs.



Calvin Niss is the Vice President, Air and Process Service Business Unit Manager at Trihydro Corporation. He has supervised and managed environmental projects in the petrochemical industry for over 25 years. Niss has worked with the BWON regulation for over 18 years and has conducted BWON audits at over 40 facilities. He is also a recognizable national expert on refinery air compliance programs; and, in 2007, he was selected by USEPA to work on a BWON technical workgroup to evaluate potential amendments to the BWON regulation. Niss also sits on the American Fuel & Petrochemical Manufacturers' Environmental Committee.

Niss has been involved with over 50 refinery compliance audits. The majority of these compliance audits have focused on the BWON, Subpart QQQ, LDAR, and refinery MACT regulations. His experience in the petrochemical industry includes numerous Clean Air Act compliance projects involving HON, LDAR, MACT, MON, and NSPS Subpart QQQ. He has developed air compliance projects and has taken part in several multi-media facility environmental compliance audits. Additionally, he has provided expert testimony on both groundwater and air compliance issues, including testifying as an expert witness for the United States government on an air compliance case involving the Clean Air Act in the state of Texas.

Register today!

www.isa.org/LDAR/T2016 • +1 919-549-8411
Reference Promo Code: 16TL DAR