



ASSE SYMPOSIUM

CONSTRUCTION SAFETY

NOVEMBER 12-13, 2015

NEW ORLEANS, LA

DOUBLETREE BY HILTON NEW ORLEANS



SYMPOSIA.ASSE.ORG



NOVEMBER 12-13, 2015

DOUBLETREE BY HILTON NEW ORLEANS

LEAVE WITH THE ABILITY TO:

Prepare for construction industry safety challenges now and in the future

Better manage and respond to risk

Leverage technology to make better use of time and your organization's resources

Assess the characteristics of the safety culture in your organization to identify strengths and weaknesses

Build a better workforce

Introduce a Safety Stand-Down as a new approach to safety education

Align safety measures for a positive impact on business operations

Sponsored by



The last few years have seen many significant advances in construction safety practices and thinking. Much has happened as a result of the increased focus on construction safety research, technological innovation and the broader safety management evolution toward managing risk. This symposium is an opportunity to catch up.

HIGHLIGHTS

Take away tools and methodology for construction safety management from 21 general and concurrent sessions including:

- The **BlackOps US Navy SEALs** will share their process for Flawless Execution. Learn how their amazing techniques can be leveraged to drive initiative, accountability and achievement in construction safety operations.
- Preventing falls is still the most perplexing challenge in construction! Leading authority in falls, **Thomas Kramer, P.E., CSP**, will share powerful solutions that have emerged to help improve this issue.
- OSHA's New Confined Space Standard is here with many requirements you will need to know. **Gary Lopez, CSP** will prepare you to adopt this standard into your organization's operations.
- The ever-changing composition of the workforce has placed some workers at a higher risk of illness and accidents. **Michael Flynn, MA** of NIOSH will present you with a model for loss reduction in these at-risk groups.
- **Dr. Christine Branche**, Principal Associate Director and Director of the Office of Construction Safety and Health for NIOSH/CDC will help you develop a Safety Stand-Down for your organization.
- **Risk Assessment** and **Prevention through Design** are viewed as the most proactive steps in current safety management practices. Learn how these strategies can be applied most effectively to construction safety management.

Register by October 9 to save!

Online symposia.asse.org

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SCHEDULE-AT-A-GLANCE

THURSDAY, NOVEMBER 12

8:15-8:30	OPENING REMARKS
8:30-9:30	KEYNOTE PRESENTATION Flawless Execution: Always the Goal!
9:30-9:45	BREAK
9:45-10:45	ROUND I CONCURRENT SESSIONS Risk Assessment and Prevention through Design in Construction <ol style="list-style-type: none">1. An Overview of Risk Assessment: A New Dimension in Construction Safety Management2. Preventing Low Frequency High Impact Incidents3. Identifying and Preventing Health Hazards During Planning Phases of Projects4. Construction in Reverse: The Safety Behind Selective Demolition5. Prevention through Design (PtD) for Hazards in Construction
10:55 -11:55	REPEAT ROUND I SESSIONS
12:00 -1:00	LUNCHEON
1:00-2:00	GENERAL SESSION Protecting Construction Workers with Overlapping Vulnerabilities
2:10-3:10	CONCURRENT SESSIONS ROUND II Workforce Vulnerabilities and Interventions <ol style="list-style-type: none">6. Keeping Temporary and Contingent Workers Safe7. Supervisors - Safety Force Multiplier8. Human Performance Tools for Construction9. Safety Culture, Safety Climate, and Safety Leadership in Construction
3:10-3:30	BREAK
3:30-4:30	CONCURRENT SESSIONS Repeat Round II Sessions

FRIDAY, NOVEMBER 13

8:15-8:30	RECAP/OVERVIEW
8:30-9:30	GENERAL SESSION PRESENTATION Falls: The Greatest Challenge
9:30-9:45	BREAK
9:45-10:45	ROUND III CONCURRENT SESSIONS Technology for a New Vision of Construction Safety <ul style="list-style-type: none"> 10. Leveraging Technology to Enhance Worker Safety 11. Proximity Detection Technology for Workers Around Construction Equipment 12. Preparing and Managing OSH in the Global Construction Marketplace 13. Look Out Below: Prepare for Construction Safety Challenges Posed by Falling Objects
10:55 - 11:55	REPEAT ROUND III SESSIONS
12:00-1:00	LUNCHEON
1:00-2:15	GENERAL SESSION The New OSHA Confined Space Standard: What's Required?
2:15-2:30	BREAK
2:30-3:30	ROUND IV Management Tools <ul style="list-style-type: none"> 14. Meet Dr. Christine Branche: Learn to Deliver a Successful Safety Stand-Down 15. Removing Barriers Towards OSH Excellence 16. Conducting and Analyzing a Safety Program Audit 17. Buried Alive: A Survivor's Story
3:30	ADJOURN

Register today at symposia.asse.org
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THURSDAY

KEYNOTE PRESENTATION

Flawless Execution: Always the Goal!

US Navy SEALs undergo and are forged by some of the most intensive Special Forces sections and training of any elite military professional in the world. They are a special breed of warrior with mission capabilities in any environment. Often operating silently under cover of darkness, they train with a relentless commitment to individual initiative, personal responsibility and mission accomplishment.

In this high-impact keynote presentation, BlackOps Navy SEALs will reveal how they selected, trained, planned, led and Flawlessly Executed their missions all over the globe. They will share the tools and techniques SEAL teams use to thrive and survive in rapidly changing and hostile environments. You will take away methods to leverage those same tools and incredible process to drive initiative, accountability and achievement in your construction safety operations, anytime, anywhere.

ROUND I CONCURRENT SESSIONS: Risk Assessment and Prevention through Design in Construction

1. An Overview of Risk Assessment: A New Dimension in Construction Safety Management

The ability to perform a risk assessment in any industry enhances the professionalism of the OSH management effort and provides a valuable tool to align safety with all the operations of an organization. Specifically, risk assessment is intended to better enable you to implement risk-based approaches and measures to proactively lead your organization in the mitigation of risk in advance of injuries or catastrophic events. Join this session for an overview of the risk assessment process and how it can benefit construction safety.

Kenneth Daigle, P.E.

Director of Safety, BP, Houston, TX

2. Preventing Low Frequency High Impact Incidents

The Safety Committee of the National Academy of Construction has produced significant findings in the areas of attention needed to prevent low frequency, high impact incidents (LFHII) in the construction industry. Join this session for a list of actions you can take to reduce your potential for a LFHII. Information shared will include key definitions, status of the project and findings to date, and a list of actions that one firm has taken to mitigate fatalities. This list will outline activities for any construction firm that is interested in significantly improving its safety performance.

Deborah L. Grubbe, PE, CEng.

Co-Chair, NAC Safety Committee/President

Operations and Safety Solutions, LLC, Chadds Ford, PA

3. Identifying and Preventing Health Hazards During Planning Phases of Projects

Be ever vigilant for substances presenting significant health hazards and major delays to project deadlines. This presentation will discuss applications, both historical and present day, for asbestos containing materials, lead paints and mercury. We will look at unique case studies where unexpected or unusual materials were discovered during demolition, construction or renovation. Additionally, the presentation will discuss potential project delays and unexpected costs arising from health hazard issues, regulatory concerns, etc.

Rebecca W. Shultz, CIH, CSP

President, Apex Environmental Management, Inc., Mauldin, SC

4. Construction in Reverse: The Safety Behind Selective Demolition

"Bringing down" requires a different approach than "building up" and can have major safety ramifications for the project. Demolition introduces added risk from unknown structural or material factors that can affect the workers and the entire job. In this session, you will learn to identify key hazard areas unique to demolition, plan effectively for demolition, and employ protective strategies.

Katie Schofield, PhD, CSP, ARM, CHST, CSRM
Risk Consultant, Minneapolis, MN

John Lloyd
Vice-President, Lloyd's Construction Services, Inc., Savage, MN

5. Prevention through Design (PtD) for Hazards in Construction

With the results of a risk assessment in hand, the optimal move is Prevention through Design (PtD). In this session, you will learn how to affect that link and use PtD methodology for hazards specific to the construction industry. You will take away a downloadable PtD Risk Assessment tool which successfully identifies three NIOSH case studies relevant to current issues within construction safety and health.

Georgi Popov, PhD, QEP

Associate Professor, UCM, Overland Park, KS

GENERAL SESSION

Protecting Construction Workers with Overlapping Vulnerabilities

The U.S. workforce is undergoing dramatic shifts that place some workers at an increased risk for occupational illness and injury. Social dynamics such as race, class, and gender; economic trends such as the growth of the temporary workforce and the increased reliance on immigrant workers; and organizational factors such as business size, all may contribute to placing some workers at greater risk. In this presentation, learn how this combination of risk factors may result in overlapping vulnerabilities for workers in the construction industry. You will take away a conceptual model on reduction of illnesses for at-risk groups and use these strategies for the design and implementation of safety programs and occupational safety and health interventions.

Michael Flynn, MA

**Assistant Coordinator, Priority Populations and Health Disparities Program
National Institute for Occupational Safety and Health
Cincinnati, OH**

ROUND II CONCURRENT SESSIONS: Workforce Vulnerabilities and Interventions

6. Keeping Temporary and Contingent Workers Safe

Temporary workers furnished by agencies, union hiring halls, contingent workers (day laborers) and independent contractors are injured and killed at rates far surpassing that of permanent construction company employees. Management of safety and health for these workers poses discrete challenges and is increasingly the subject of OSHA enforcement scrutiny. In this session, you will learn safety, health and legal issues arising from the use of short-term workers including OSHA enforcement policy, what to communicate with agencies furnishing workers, training and PPE issues, reporting obligations, and worker's compensation issues.

Adele L. Abrams, JD, CMSP

President, Law Office of Adele L. Abrams PC, Beltsville, MD

7. Supervisors - Safety Force Multiplier

Too often companies fail to recognize and utilize a critical component in the promotion of the safety process: properly trained and certified front line supervisors. Supervisors have the greatest opportunity on a daily basis to affect safety performance and impact the bottom line. Companies with exceptional safety performance have taken the necessary steps to ensure their supervisors are properly prepared. In this session, you will explore the skills necessary for supervisors to be effective players in the overall safety process.

Eddie Greer, CSP, OHST, STSC

Director of Business Development, Board of Certified Safety Professionals, Horseshoe Bay, TX

8. Human Performance Tools for Construction

Managing human factors is key to our ability to effectively deliver a safety and health program. Knowledge of human performance tools and expectations is critical to implementation of any safety efforts. In this session, you will learn: the principles of human performance; human performance tools for construction, such as effective communications that help in preventing incidents and injuries; human performance traps such as time pressure - real or assumed; and human performance expectations which include taking responsibility for your own behavior and positively influencing the behavior of others.

Rick Callor, CSP, STS

**Safety Training Director EIC Group, AECOM
EIC, Boise, ID**

John M. Isham, CIH, CSP, STS

Senior ES&H Director, AECOM, Denver, CO

9. Safety Culture, Safety Climate, and Safety Leadership in Construction

Over the past 10-15 years, researchers and practitioners have recognized that a strong positive safety culture and safety climate are key to reducing injuries, illnesses and fatalities on construction worksites. However, there was a lack of agreement on the definitions of safety culture and safety climate, what the core indicators are of these constructs, and the types of interventions that might actually improve them. CPWR-The Center for Construction Research and Training and NIOSH tackled these three issues and in this presentation, you will learn the results of their efforts and the approaches they recommend.

Linda M. Goldenhar PhD

Director, Research and Evaluation, The Center for Construction Research and Training, Silver Spring, MD

GENERAL SESSION

Falls: The Greatest Challenge

Falls continue to plague the construction industry as one of the leading causes of fatalities. So what is the industry doing to reverse this trend? Thomas Kramer, P.E., CSP, leading authority in fall protection, will present to you how entrenched methods of information processing and social influences, such as cognitive biases, lull organizations into a false sense of security. Organizations may believe they are good in responding to the hazard of falls, rather than just lucky.

There have been changes in fall protection strategy and control. More powerful solutions have emerged and Mr. Kramer will discuss the latest equipment advances, the practical and evolving methods for reducing falls and the interplay of ANSI fall protection standards and Prevention through Design techniques.

Thomas Kramer, P.E., CSP

Managing Principle, LJB, Inc., Miamisburg, OH

ROUND III CONCURRENT SESSIONS: Technology for a New Vision of Construction Safety

10. Leveraging Technology to Enhance Worker Safety

Learn how to use your electronic tablets and smart phones to perform routine safety inspections, JHAs, incident investigations and tailgate meetings. This can be done at no cost and you will take away the techniques to enable your electronic tablets and smart phones to perform these tasks with greater quality results. Most often, you will have this ability using the software and apps that are already loaded on most electronic tablets and smart phones.

Michael Palmer, CSP, CIH, CHMM

Vice President, EnSafe, Inc., Knoxville, TN

11. Proximity Detection for Workers Around Construction Equipment

Human Construction Traffic Interface (HCTI) is a significant hazard in the construction industry. New technologies are becoming available that can sense when a worker is in a blind spot or no-go zone. In this session, you will explore some technology options for proximity detection and the most effective way to apply it for HCTI management.

Neil Ryan, CSP

Personnel Safety Manager, Exxon Mobil, Spring, TX

12. Preparing and Managing OSH in the Global Construction Marketplace

As our US based construction companies expand into the global marketplace, cultural differences are thrown into the mix, compounding our challenges. Implementing a western style of OSH management into construction projects outside the US, poses unique challenges. Join this session to learn simple technology tools professionals can use to manage OSH globally or in remote locations.

Carole Fried, CIH, CSP

Director H&S, Gilbane, Walnut Creek, CA

13. Look Out Below: Falling Objects (Struck-by Hazards) in High Rise Construction

An increasingly major challenge in high rise construction is the incidence of falling object accidents and fatalities. The strength of your solutions for these catastrophic events will be dependent upon your ability to recognize the most useful technology, implement the most effective controls and train your workforce for their participation in strategy to mitigate this daunting hazard. In this session, you will learn optimal strategy to minimize the risk of falling objects.

Randall C. Butler, CSP

Teacher, University of Pennsylvania, Indiana, PA

GENERAL SESSION

The New OSHA Confined Space Standard: What's Required?

OSHA's long awaited rule on Confined Spaces in Construction, 1926.1200, has finally been published by OSHA. You will learn how this new standard differs from the previous proposed version and how it compares to the existing General Industry 1910.146 Permit Required Confined Space Standard, as well as the ANSI Z117 standard for entry into confined spaces. You will take away practices that will assist you in identifying a confined space in construction, learn what the requirements are for both the owner of the site and the employer entering the confined space, how to operate the permit system that will be critical for entries, and strategize to overcome the challenges that rescue will present to those entering confined spaces.

C. Gary Lopez, CSP

Area Vice President, AJ Gallagher Risk Management Services, Weston, FL

ROUND IV CONCURRENT SESSIONS: Management Tools

14. Meet Dr. Christine Branche: Learn to Deliver a Successful Safety Stand-Down

Dr. Christine Branche, Principal Associate Director and the Director of the Office of Construction Safety and Health for the National Institute for Occupational Safety and Health (NIOSH) within the Center for Disease Control (CDC) will be providing you with guidelines for conducting a successful Safety Stand-Down. A Safety Stand-Down is a voluntary event for employers to talk directly to employees about safety. Companies can conduct a Safety Stand-Down by taking a break to have a toolbox talk or another safety activity such as conducting safety equipment inspections, developing rescue plans, or discussing job specific hazards. Dr. Branche will help you get this started in your organization.

Christine Branche, PhD

Principal Associate Director and Director of the Office of Construction Safety and Health for NIOSH/CDC, Washington, DC

15. Removing Barriers Towards OSH Excellence

Today's OSH manager should not only be able to communicate the moral imperative in protecting people and the environment, but also able to demonstrate how effective OSH management—or lack thereof—can contribute to project success or failure. By integrating OSH management systems throughout an organization's operations, you can not only improve OSH performance, but affect your organization's performance overall. You will leave this session with strategy to better align OSH management with the overall strategy of your organization including managing operational risks, using leading indicators to improve project quality, and better communication for improved stakeholder relations.

Chris Golden, CSP, PMP

EHS Manager, Skanska USA Inc., New York, NY

16. Conducting and Analyzing a Safety Program Audit

An effective safety program audit can return invaluable results for your assessment of how well your safety program is performing. In this session, you will learn how to develop a safety program audit and how to analyze what it reveals about the health of your program. Take away some methods for compiling and presenting the results of your audit.

Eric P. Hanson, CSP

Director of Safety, The Whiting-Turner Contracting Company, Baltimore, MD

17. Buried Alive: A Survivor's Story

In this session, Joe Tantarelli, Safety Consultant, recalls the events of June 5, 1983 when he was nearly buried alive as he was installing pipe in a trench that suddenly collapsed on him. He will discuss how rushing, frustration, fatigue, and complacency contributed to making serious mistakes that almost led him to die on the job. Attendees will learn strategies to help workers avoid these types of incidents.

Joe Tantarelli

Safety Consultant, SafeStart, Belleville, ON

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Rate cut-off: October 18, 2015
Sleeping room rate: \$169 single/double + tax

To receive the group rate, please identify yourself as an American Society of Safety Engineers or ASSE attendee. The hotel reservation deadline is October 18, 2015. Please reserve your room early as hotel rooms at the published rate may be sold out before the October 18th deadline. After that date, the hotel may charge a higher rate if rooms are available.

CONTINUING EDUCATION CREDIT

The American Society of Safety Engineers has been approved as an Accredited Provider by the International Association for Continuing Education and Training (IACET), 7918 Jones Branch Drive, Suite 300, McLean, VA 22102. In obtaining this approval, ASSE 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 Accredited Provider accreditation status, ASSE is authorized to offer IACET CEUs for its programs that qualify under the ANSI/IACET Standard.

To receive CEUs, attendees need to be present for the education hours and participate in all-learning activities provided by the presenters. CEUs for successfully completing the symposium will be applied to attendee transcripts. Please allow three weeks for processing.

You will be asked to demonstrate that learning outcomes have been achieved by providing us with feedback through evaluations, tests or quizzes, participation in a Question and Answer session at the end of your education program, or through reporting the results of a group project.

BCSP Recertification Points

For Board of Certified Safety Professionals recertification points, ASSE awarded CEUs are equivalent in value (e.g., 1.0 CEU = 1.0 recertification points).

ABIH CM Credit for CIH

This symposium may be eligible for ABIH CM credit. See the ABIH web site for CM credit criteria. www.abih.org

IHMM CMPs for CHMM

To determine the number of CMPs a CHMM may claim please visit the IHMM website, www.ihmm.org.

REGISTRATION

REGISTRATION FEES

	POSTMARKED BY OCTOBER 9, 2015	POSTMARKED AFTER OCTOBER 9, 2015	ON-SITE REGISTRATION FEE
ASSE Member	\$545	\$595	\$620
AIHA/AHMP Member	\$570	\$620	\$645
Non-Member	\$595	\$645	\$670

REGISTRATION INCLUDES

- 1.3 CEUs/Recertification Points
- Lunches and coffee breaks
- Handout binder
- Proceedings

Payment

A completed registration, along with full payment (your credit card information or a check payable to ASSE), must accompany your registration. Registrations without full payment will not be processed.

Cancellations

Full refunds will be granted for cancellations received in writing by October 29, 2015. Refunds less a \$100 administrative fee will be granted to written requests received between October 30 and November 6, 2015. Refunds will not be granted after November 6, 2015.

Substitutions

If you are unable to attend and wish to send a substitute, a \$25 substitution fee will be charged. ASSE membership is individual; therefore, substitution with a non-member will be charged the non-member rate plus the \$25 substitution fee. ASSE reserves the right to make substitutions to the program should unforeseen circumstances occur.

Program Changes

Every effort will be made to ensure that the program schedule and events remain as published. However, unforeseen changes may occur. ASSE reserves the right to make changes to the program. ASSE also reserves the right to cancel the program two weeks prior to presentation. The program description contained in this brochure is based upon the information available at the time of printing.

Consent

Registration and attendance at, or participation in, ASSE professional development, constitutes an agreement by the registrant to ASSE's use and distribution of the registration or attendee's image or voice in photographs, videotapes, electronic reproductions, and audio tapes of such events and activities.

Special Needs

Whenever possible, arrangements will be made for physically challenged, those with dietary restrictions or allergies provided 45 days written notice. Please include a letter of explanation, your name and phone number, and attach to the registration form or email customerservice@asse.org.

Special Corporate Add-On

This is a special program for companies wishing to have a tailored private education program for their employees before or after the symposium. Companies bringing 10 or more employees to this symposium will receive discounted registration fees when they also contract for a private seminar under the Corporate Prime Time program. Please contact Bridget Blair at bblair@asse.org or 847-768-3429 for more information.

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LEARN ABOUT:

The value of conducting risk assessment and Prevention through Design in the construction industry

Recognizing the vulnerabilities of today's construction workforce and what interventions are most effective

New technology that can better enable identification of exposures in construction worksites and provide knowledge for safety operations decision making

The new OSHA Construction Confined Space Standard and other new management tools

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