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ASSE’s Professional Development Conference & Exposition offers the most comprehensive OSH resources, cutting-edge education, and showcases the best in the profession.
ASSE Thanks Its Sponsors

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CHUBB®
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Glenguard Compliance

SILVER

BCSP
DEKRA Insight
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Society

ASSOCIATE

Ansell
MSA
MAJESTIC

EXPO

PITT Swanson Engineering
MAESTRO Safety

American Society of Safety Engineers
www.asse.org
<table>
<thead>
<tr>
<th>SAFETY 2017 (PDC) REGISTRATION</th>
<th>CAREER CENTER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Monday</strong></td>
<td><strong>Monday</strong></td>
</tr>
<tr>
<td>2:00PM - 5:00PM</td>
<td>10:00AM - 3:00PM</td>
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<td><strong>Tuesday</strong></td>
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<td>6:30AM - 4:45PM</td>
<td>8:30AM - 5:30PM</td>
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<td><strong>Wednesday</strong></td>
<td><strong>Wednesday</strong></td>
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<tr>
<td>6:30AM - 4:45PM</td>
<td>8:30AM - 5:30PM</td>
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<td><strong>Thursday</strong></td>
<td><strong>Thursday</strong></td>
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<tr>
<td>7:00AM - 2:00PM</td>
<td>7:00AM - 3:30PM</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>ASSE MARKETPLACE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Monday</strong></td>
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<tr>
<td>9:30AM - 5:30PM</td>
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<td><strong>Tuesday</strong></td>
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<tr>
<td>7:00AM - 4:30PM</td>
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</table>

<table>
<thead>
<tr>
<th>EXPOSITION /ASSE RESOURCE CENTER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Monday</strong></td>
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<tr>
<td>3:00PM - 5:30PM</td>
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<tr>
<td><strong>Tuesday</strong></td>
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<tr>
<td>9:00AM - 3:30PM</td>
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<td><strong>Wednesday</strong></td>
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<tr>
<td>9:00AM - 3:30PM</td>
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</tbody>
</table>

**FRIDAY, JUNE 16-MONDAY, JUNE 19**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00AM - 7:45AM</td>
<td>Pre-Conference Seminars Registration</td>
</tr>
<tr>
<td>8:00AM - 4:30PM</td>
<td>Pre-Conference Safety Training Seminars*</td>
</tr>
</tbody>
</table>

**MONDAY, JUNE 19**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00AM</td>
<td>ASSE Foundation Safety Matters Golf Outing*</td>
</tr>
<tr>
<td>8:00AM - 4:30PM</td>
<td>Pre-Conference Safety Training Seminars*</td>
</tr>
<tr>
<td>8:30AM - 2:30PM</td>
<td>Academic Forum / ABET Workshop</td>
</tr>
<tr>
<td>9:30AM - 5:30PM</td>
<td>ASSE Marketplace</td>
</tr>
<tr>
<td>10:00AM - 3:00PM</td>
<td>Career Center</td>
</tr>
<tr>
<td>12:00PM - 3:30PM</td>
<td>House of Delegates &amp; Membership Meetings</td>
</tr>
<tr>
<td>2:00PM - 5:00PM</td>
<td>Safety 2017 (PDC) Conference Registration Open</td>
</tr>
<tr>
<td>3:00PM - 5:30PM</td>
<td>Kick-Off Welcoming Reception / Exposition Open / ASSE Resource Center</td>
</tr>
<tr>
<td>3:15PM - 4:15PM</td>
<td>Attendee Orientation</td>
</tr>
<tr>
<td>4:15PM - 5:00PM</td>
<td>Safety 2017 App Class</td>
</tr>
</tbody>
</table>

**TUESDAY, JUNE 20**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>6:30AM - 4:45PM</td>
<td>Safety 2017 (PDC) Conference Registration Open</td>
</tr>
<tr>
<td>6:30AM - 5:30PM</td>
<td>ASSE Marketplace</td>
</tr>
<tr>
<td>7:30AM - 9:00AM</td>
<td>Opening General Session, Tom Morris</td>
</tr>
<tr>
<td>8:30AM - 5:30PM</td>
<td>Career Center</td>
</tr>
<tr>
<td>9:00AM - 10:45PM</td>
<td>Expo Exclusive Time</td>
</tr>
<tr>
<td>9:00AM - 3:30PM</td>
<td>Exposition Open / ASSE Resource Center</td>
</tr>
<tr>
<td>10:45AM - 11:45AM</td>
<td>Concurrent Educational Sessions (Period I)</td>
</tr>
<tr>
<td>11:45AM - 12:30PM</td>
<td>Complimentary Conference Luncheon</td>
</tr>
<tr>
<td>11:45AM - 1:00PM</td>
<td>Chapter Recognition Luncheon*</td>
</tr>
<tr>
<td>12:30PM - 1:00PM</td>
<td>Expo Exclusive Time</td>
</tr>
<tr>
<td>1:00PM - 2:00PM</td>
<td>Concurrent Education Sessions (Period II)</td>
</tr>
<tr>
<td>2:00PM - 3:15PM</td>
<td>Expo Exclusive Time</td>
</tr>
<tr>
<td>3:15PM - 4:15PM</td>
<td>Concurrent Educational Sessions (Period III)</td>
</tr>
<tr>
<td>4:30PM - 5:30PM</td>
<td>Concurrent Educational Sessions (Period IV)</td>
</tr>
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**WEDNESDAY, JUNE 21**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30AM - 4:45PM</td>
<td>Safety 2017 (PDC) Conference Registration Open</td>
</tr>
<tr>
<td>6:30AM - 5:30PM</td>
<td>ASSE Marketplace</td>
</tr>
<tr>
<td>7:30AM - 9:00AM</td>
<td>General Session, Mel Robbins</td>
</tr>
<tr>
<td>8:30AM - 5:30PM</td>
<td>Career Center</td>
</tr>
<tr>
<td>9:00AM - 10:30AM</td>
<td>Expo Exclusive Time</td>
</tr>
<tr>
<td>9:00AM - 3:00PM</td>
<td>Exposition Open / ASSE Resource Center</td>
</tr>
<tr>
<td>10:30AM - 11:45AM</td>
<td>Concurrent Educational Sessions (Period V)</td>
</tr>
<tr>
<td>11:45AM - 12:30PM</td>
<td>Complimentary Conference Luncheon</td>
</tr>
<tr>
<td>11:45AM - 1:00PM</td>
<td>Practices and Standards Awards Luncheon*</td>
</tr>
<tr>
<td>12:30PM - 1:00PM</td>
<td>Expo Exclusive Time</td>
</tr>
<tr>
<td>1:00PM - 2:00PM</td>
<td>Plenary Session</td>
</tr>
<tr>
<td>2:00PM - 3:00PM</td>
<td>Expo Exclusive Time</td>
</tr>
<tr>
<td>2:30PM - 4:00PM</td>
<td>Student Roundtable Discussions - Safety Talks</td>
</tr>
<tr>
<td>3:00PM - 4:15PM</td>
<td>Concurrent Educational Sessions (Period VI)</td>
</tr>
<tr>
<td>4:30PM - 5:30PM</td>
<td>Concurrent Educational Sessions (Period VII)</td>
</tr>
<tr>
<td>6:40PM</td>
<td>Networking Night Out - Rockies Baseball Game*</td>
</tr>
</tbody>
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**THURSDAY, JUNE 22**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00AM - 2:00PM</td>
<td>Safety 2017 (PDC) Conference Registration Open</td>
</tr>
<tr>
<td>7:00AM - 3:30PM</td>
<td>Career Center</td>
</tr>
<tr>
<td>7:00AM - 4:30PM</td>
<td>ASSE Marketplace</td>
</tr>
<tr>
<td>7:45AM - 9:00AM</td>
<td>Concurrent Educational Sessions (Period VIII)</td>
</tr>
<tr>
<td>9:15AM - 10:30AM</td>
<td>Executive Summit</td>
</tr>
<tr>
<td>11:00AM - 12:00PM</td>
<td>Concurrent Educational Sessions (Period IX)</td>
</tr>
<tr>
<td>12:00PM - 1:30PM</td>
<td>Conference Luncheon, BCSP Award of Excellence, Vinh Giang</td>
</tr>
<tr>
<td>1:45PM - 2:45PM</td>
<td>Concurrent Educational Sessions (Period X)</td>
</tr>
<tr>
<td>2:00PM - 6:00PM</td>
<td>Post Conference 1/2 Day Math Review Workshop*</td>
</tr>
<tr>
<td>3:00PM - 4:00PM</td>
<td>Closing General Session, Joseph Hallinan</td>
</tr>
</tbody>
</table>

**FRIDAY, JUNE 23-SUNDAY, JUNE 25**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00AM - 7:45AM</td>
<td>Post-Conference Seminars Registration</td>
</tr>
<tr>
<td>8:00AM - 4:30PM</td>
<td>Post-Conference Safety Training Seminars*</td>
</tr>
</tbody>
</table>

*Additional fee and/or pre-registration required.
Women in Safety Engineering (WISE) invites you to join us for our 4th Annual Personal Development Retreat. This all-day event offers attendees of all genders an opportunity to explore, inspire and network around topics that focus on the power of a well-rounded OSH professional. This event explores personal development with topics previously ranging from developing your own personal mission statement, improving communication skills, the power of storytelling, improving memory skills and even follow up to success stories from our previous events. All are welcome!

Early Registration - Register by 5/1/17    Regular Registration - 5/2/17-6/16/17
$125                  $150

*ASSE Members who are not currently members of the WISE Common Interest Group will receive a complimentary 1-year WISE membership automatically with their WISE Retreat registration.

SUNDAY
JUNE 18, 2017

WISE RETREAT
7:30 AM - 5:30 PM

MONDAY
JUNE 19, 2017

SCHEDULE OF EVENTS

8:00AM  
ASSE Foundation Safety Matters Golf Outing*

8:30AM - 2:30PM  
Academic Forum / ABET Workshop*

9:30AM - 5:30PM  
ASSE Marketplace

8:00AM - 4:30PM  
Pre-Conference Safety Training Seminars*

10:00AM - 3:00PM  
Career Center

12:00PM - 3:30PM  
House of Delegates & Membership Meetings

2:00PM - 5:00PM  
Safety 2017 (PDC) Conference Registration Open

3:00PM - 5:30PM  
Kick-off Welcoming Reception / Exposition Open / ASSE Resource Center

3:15PM - 4:15PM  
Attendee Orientation

4:15PM - 5:00PM  
Safety 2017 App Class

5:30PM - 7:30PM  
Blacks in Safety Engineering (BISE) Reception*

6:00PM - 9:00PM  
Women in Safety Engineering (WISE) Reception*

7:00PM - 9:00PM  
Young Professionals Networking Reception*

*Additional fee and/or pre-registration required.

ACADEMIC FORUM / ABET WORKSHOP*
Sponsored by the Academics Practice Specialty

ASSE’s Academics Practice Specialty will host its Sixteenth Academic Forum at the Professional Development Conference in Denver on Monday, June 19, 2017. The Forum is open to all Academics Practice Specialty Members or full time occupational safety and health academicians and researchers.

The theme, as always, is “The Best in OSH Education!” The Forum offers a great opportunity to stimulate the exchange of ideas concerning OSH education practices! This year the ABET Workshop will be held during the afternoon of the Academic Forum.

8:30AM - 2:30PM  
Topics will include:
• Best Practices in Interactive Tools and Teaching Aids
• Research in OSH Performance Metrics
• Examples of Teaching Modes: Flipping, Active Learning, Use of Case Studies, etc.
• Mentoring and Networking within the APS
• Celebrating 20 Years of the Academics Practice Specialty - What Will the Next 20 Years Bring?

11th Annual Safety Matters Golf Outing

Monday, June 19 – 8:00AM shotgun start  
Colorado National Golf Club 2700 Vista Parkway Erie, CO 80516

Colorado National Golf Club is the premier golf facility on the Front Range and host of two NCAA Regional Championships. It is spaced over 232 acres of land with strategically placed bunkers and lakes, and only 2 holes that run alongside each other. The elevation changes, water features, and mountain views of Long’s Peak and Mount Meeker provide the golfer with a wonderful tranquil experience.

This is an excellent opportunity to support the Foundation and network with over 100 safety professionals on an amazing course. Registration fee of $165 per player includes round of golf, cart, range balls, lunch, contests and prizes.

Add the golf outing to your Safety 2017 registration form or call ASSE Customer Service at 1-847-699-2929
TUESDAY SCHEDULE OF EVENTS

6:30AM - 4:45PM
Safety 2017 Conference Registration Open

6:30AM - 5:30PM
ASSE Marketplace

7:30AM - 9:00AM
Opening General Session - Tom Morris
Sponsored by CLMI

8:30AM - 5:30PM
Career Center

9:00AM - 10:45AM
Expo Exclusive Time

9:00AM - 3:30PM
Exposition Open / ASSE Resource Center

10:45AM - 11:45AM
Concurrent Educational Sessions (Period I)

11:45AM - 1:00PM
Complimentary Conference Luncheon

11:45AM - 1:00PM
Chapter Recognition Luncheon*

12:30PM - 1:00PM
Expo Exclusive Time

1:00PM - 2:00PM
Concurrent Educational Sessions (Period II)

2:00PM - 3:15PM
Expo Exclusive Time

3:15PM - 4:15PM
Concurrent Educational Sessions (Period III)

4:30PM - 5:30PM
Concurrent Educational Sessions (Period IV)

5:30PM - 7:30PM
Safety Professionals and the Latino Workforce (SPALW) and Latin American Attendee Networking Reception*

*Additional fee and/or pre-registration required.

OPENING GENERAL SESSION
Sponsored by CLMI

7:30AM - 9:00AM
Tom Morris
True Success: The Art of Achievement in Times of Change

Tom Morris is one of the world’s top public philosophers and pioneering business thinkers. He’s the author of 20 groundbreaking books and is a legendary speaker whose electrifying talks reengage people around their deepest values and reignite their passion for work and life.

We all need ideas we can trust. This talk presents a simple, powerful and complete framework of seven universal conditions for deeply satisfying, sustainable excellence in all that we do. Tom Morris’ “7 Cs of Success” have fueled extraordinary results in pockets of excellence around the world, and have never been more important than they are today. In a high-energy and entertaining session, Tom will reveal the most fundamental tools for personal and institutional greatness and provide a practical guide for their use every day.

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. Please review the program book onsite for changes.

KEY LEVEL DESCRIPTIONS

(B) Two to five years of experience is identified as basic
(I) Six to ten years of experience is identified as intermediate
(A) Ten years plus of experience is identified as advanced
(E) Executive level sessions
### JUNE 20, 2017

#### Track 10:45am – 11:45am (I)

| Business Skills & Personal Development | 501 From Safety Leader to Business Leader - Bridging the Gap  
502 Partnering - A Key to Building Trust and Safety Excellence  
509 Global Framework for Practice - INSHPO OHS Capability Framework |
| Construction / Mining | 503 Construction Safety Planning – Bidding to Demobilization  
506 Your Physical Job Does Not Make You Physically Fit Unless You’re a NINJA |
| Emergency Management / Security |  |
| Environment / Hazardous Material | 508 A Real and Present Danger: The Underestimated Impact of Workplace Carcinogens |
| Ergonomics | 504 Leading Measures to Prevent MSDs and Drive Ergonomic Improvements |
| Executive | 502 Partnering - A Key to Building Trust and Safety Excellence  
512 Effectively Handling An OSHA Inspection Under Enforcement-Driven OSHA |
| Fire Protection | 505 Elements of an Effective Dust Hazard Analysis (DHA) |
| Healthcare / Wellness | 506 Your Physical Job Does Not Make You Physically Fit Unless You’re a NINJA  
521 You Can’t Fix Your Mental Health with Duct Tape: Blueprint for Suicide Prevention |
| Human Behavior | 507 Complacency: The Silent Killer  
516 Human Error: There is NO Root Cause |
| Industrial Hygiene / Health | 508 A Real and Present Danger: The Underestimated Impact of Workplace Carcinogens |
| International | 509 Global Framework for Practice - INSHPO OHS Capability Framework  
520 ISO/ANSI/ASSE 45001 Forum - Significant and Future Impact on Safety |
| Oil & Gas | 510 Short Service Employee Programs  
514 Hazards of Homeless Encampments & Working in Urban Environments |
| Regulatory Issues / Government / Public Sector | 511 Key Safety and Health Documents: Shields or Swords?  
512 Effectively Handling An OSHA Inspection Under Enforcement-Driven OSHA  
522 Auto Safety and DOT Compliance |
| Risk Assessment | 513 Improving General Industry Qualitative Risk Assessments Using LOPA Concepts |
| Risk Management / Insurance | 514 Hazards of Homeless Encampments & Working in Urban Environments  
515 Intersection of Wearable Safety Devices, Data Collection and Cyber Policy Risk |
| Safety Management | 502 Partnering - A Key to Building Trust and Safety Excellence  
516 Human Error: There is NO Root Cause  
517 Using Exposure-Based Scenarios to Enhance Hazard Recognition and Response  
520 ISO/ANSI/ASSE 45001 Forum - Significant and Future Impact on Safety  
523 Key Issue Roundtable Workshop: Safety Climate & Safety Culture During Economic Downturns |
| Sustainability |  |
| Technical / Engineering / Standards | 518 How to Understand and Interpret ANSI Z359.2 to Develop a Fall Protection Program  
519 Highlights of the Newly Released ASSE/ANSI Z244.1 Lockout Standard  
520 ISO/ANSI/ASSE 45001 Forum - Significant and Future Impact on Safety |
| Training / Education | 521 You Can’t Fix Your Mental Health with Duct Tape: Blueprint for Suicide Prevention |
| Transportation | 522 Auto Safety and DOT Compliance |
| Fundamentals |  |
| Key Issue Roundtable Workshops | 523 Safety Climate & Safety Culture During Economic Downturns |
## TUESDAY SESSION SCHEDULE

<table>
<thead>
<tr>
<th>1:00pm – 2:00pm (II)</th>
<th>3:15pm – 4:15pm (III)</th>
<th>4:30pm – 5:30pm (IV)</th>
</tr>
</thead>
<tbody>
<tr>
<td>526 Getting the OSH Professional's Voice Heard - Communicating about Acceptable Risk</td>
<td>551 Executive Animation of EHS55 at L'Oreal</td>
<td>583 2017 Global Briefing</td>
</tr>
<tr>
<td>528 Construction SH&amp;E Best Practices: Guidance for Young Professionals</td>
<td>552 Enhancing Construction Safety Using Wearable Technology</td>
<td>595 Bag of Tricks - Presentation Design I</td>
</tr>
<tr>
<td>529 911, What's Your Emergency? We Have an Active Shooter, HURRY, PLEASE HURRY!</td>
<td>554 Preparedness - Are You Ready to Deal with a Crisis?</td>
<td></td>
</tr>
<tr>
<td>530 Environmental Regulations - What Safety Professionals Need to Know</td>
<td>555 One-Handed and Asymmetric Lifting Assessment</td>
<td>577 ANSI/ASSE A10 Construction Safety Forum - Significant Standards Pending</td>
</tr>
<tr>
<td>531 Lighting Basics for the EHS Professional</td>
<td>556 Creating a Culture of Health to Optimize Preventative Health and Safety Programs</td>
<td>578 Fires, Floods and Disasters: Protecting Employees Involved in Investigations</td>
</tr>
<tr>
<td>532 Identifying Sprinkler System Inadequacy at Your Facility</td>
<td>557 The Human Side to Change: Make Safety Protocols &quot;Inevitable &amp; Resistance F futile&quot;</td>
<td>578 Fires, Floods and Disasters: Protecting Employees Involved in Investigations</td>
</tr>
<tr>
<td>533 An Athletic Approach to Heat Illness - Beyond Water, Rest, Shade</td>
<td>558 Creating a Culture of Health to Optimize Preventative Health and Safety Programs</td>
<td>583 2017 Global Briefing</td>
</tr>
<tr>
<td>534 Medical Marijuana: Miracle Drug or Safety Nightmare?</td>
<td>559 Respiratory Protection Programs - Let the Standard Work for You</td>
<td>590 Safety Differently - A New View of Safety Excellence</td>
</tr>
<tr>
<td>537 Practical Tools for Gender Equal Protection in OSH Programs</td>
<td>560 International Best Practices of SH&amp;E Incident Reporting &amp; Investigation Techniques</td>
<td>584 Addressing Worker Fatigue Issues in the Oil and Gas Industry</td>
</tr>
<tr>
<td>535 Fatality &amp; Catastrophic Event Prevention</td>
<td>562 One-Handed and Asymmetric Lifting Assessment</td>
<td>586 And the Survey Says…</td>
</tr>
<tr>
<td>537 Practical Tools for Gender Equal Protection in OSH Programs</td>
<td>564 Scaling an Occupational Safety Management System for Small and Medium Sized Organizations</td>
<td>587 Beyond the Matrix, Preventing Incidents with a Risk Assessment Process</td>
</tr>
<tr>
<td>538 Understanding Low Probability, High Consequence Events</td>
<td>565 Modifying the Use of Discipline to Achieve a Positive Safety Culture</td>
<td>593 PID Business Case: Reducing Cr VI Exposure in a Tailpipe Assembly Facility</td>
</tr>
<tr>
<td>543 Fines, Fatalities and the Future of Fall Prevention</td>
<td></td>
<td>599 Negligent Entrustment: …What You Don't Know Can Drive You Out of Business!</td>
</tr>
<tr>
<td>544 Case Study Research: Safety Implications of Information Overload in a Hospital</td>
<td>567 Green Light! Advancing Understanding of Sustainable Safety Innovation Benefits</td>
<td>592 Harnessing the Power of Appreciative Inquiry to Achieve Transformational Results</td>
</tr>
<tr>
<td>546 Fundamentals of SH&amp;E: Hazard Identification and Control</td>
<td>568 The Lies We Tell Ourselves and Other Challenges to Reducing Fall Risk</td>
<td>568 And the Survey Says…</td>
</tr>
<tr>
<td>547 The Great Sit/StandWorkstation Debate: Advantages, Disadvantages and Solutions for Implementation</td>
<td>569 The Power of Robots to Improve Safety, Featuring Drones (UASs) as the Good Guys</td>
<td>590 Safety Differently - A New View of Safety Excellence</td>
</tr>
<tr>
<td>576 Using Data to Drive Positive Change in a Best-in-Class Fleet Safety Program</td>
<td>575 Using Data to Drive Positive Change in a Best-in-Class Fleet Safety Program</td>
<td>595 Bag of Tricks - Presentation Design I</td>
</tr>
</tbody>
</table>
501 From Safety Leader to Business Leader - Bridging the Gap (A)
Sponsored by the Blocks in Safety Engineering (BISE) Common Interest Group and the Management Practice Specialty
“The difference between management and leadership is communication” - Winston Churchill. Based on information gathered from over 9 years of interviews with corporate leaders, you will learn their candid responses to what is needed to be considered for executive level positions that can influence corporate or business unit strategy.
John McBride, SPHR, SHRM-SCP, Consentium Search LLC, Short Hills, NJ

502 Partnering - A Key to Building Trust and Safety Excellence (E)
Sponsored by Grainger
Partnering experts share their experience and benefits to their organizations. For them, it is a way of life that reaches all organizations they interact with. Benefits stretch well into the future as residents and workers receive a clean environment with continued employment to maintain the positive Oak Ridge historical legacy.
Ken J. Rueter, UCOR, Oak Ridge, TN; Sue Cange, Department of Energy, Oak Ridge, TN

503 Construction Safety Planning - Bidding to Demobilization (I)
Sponsored by Essilor Prescription Safety Eyewear and the Construction Practice Specialty
Ben Franklin said, “If you fail to plan, you are planning to fail.” This is especially true in construction. Construction managers and safety professionals must understand the importance of safety planning and the planning elements used to protect workers and ensure timely completion of construction projects.
Richard S. Baldwin, MS, CSP, PCL Construction Enterprises, Denver, CO; Bobby D. Green, MPH, PCL, PCL Transportation Infrastructure Group, Raleigh, NC

504 Leading Measures to Prevent MSDs and Drive Ergonomic Improvements (I)
Sponsored by the Ergonomics Practice Specialty
A majority of employers continue to use lagging measures to manage ergonomics and MSDs. Through first-hand experience and numerous benchmarking studies, we’ve identified the best practices for effectively managing both. This session will provide real examples and key learnings from successful organizations and outline measures that support a delineated plan.
Walt Rostykus, CSP, CIH, CPE, Humantech, Ann Arbor, MI; Jennie Dustin, CSP, CPE, Humantech, Ann Arbor, MI

505 Elements of an Effective Dust Hazard Analysis (DHA) (I)
Sponsored by Chubb and the Fire Protection Practice
Sponsored by the Blocks in Safety Engineering
When performed correctly, a DHA identifies complex combustible dust hazards and provides techniques to mitigate these hazards. Unfortunately, all DHAs are not created equal and serious hazards are often overlooked. This presentation will discuss the minimum requirements for any DHA, the importance of qualified individuals and common overlooked hazards.
Jason P. Reason, CSP, CIH, CHMM, Lewellyn Technology, Greenwood, IN

506 Your Physical Job Does Not Make You Physically Fit... Unless You're a NINJA (I)
Sponsored by the Women in Safety Engineering (WISE) and Young Professionals in OSH Common Interest Groups and the Construction and Oil & Gas Practice Specialties
Physical Fitness includes balance, agility, flexibility and mobility, and most physical jobs don’t inherently create these unless you’re a ninja or professional athlete. The physicality of oilfield, construction and others can be a DETRIMENT or a BENEFIT to health and muscle balance, depending on how your workers approach their jobs.
Lori A. Frederic, Balance Bio-Ninja Safety, Littleton, CO

507 Complacency: The Silent Killer (I)
How often is complacency involved in accidental injuries and fatalities - how high a percentage is it? In the majority of injuries, complacency plays a part, often a significant one. Learn what you and your organization can do to efficiently minimize the effects of complacency in your workplace.
Larry Wilson, SafeStart®, Belleville, Ontario, Canada

508 A Real and Present Danger: The Underestimated Impact of Workplace Carcinogens (A)
Sponsored by the Women in Safety Engineering (WISE) Common Interest Group and the Utilities Practice Specialty
There exists a real and present need to elevate the profile of occupational cancer prevention. This session will review: Underestimation of workplace cancer cases; Elevation of the profile; OEL adequacy; common workplace, consumer product, and environmental exposure and controls; Cancer cluster investigations and case studies.
Connie L. Munzy, MS, CIH, REM, AES Corporation, Dayton, OH

509 Global Framework for Practice - INSHPO OHS Capability Framework (I)
Sponsored by the International Practice Specialty
This presentation will explore and identify some of those key roles, knowledge, skills and strengths that are foundation pieces to the OHS role in any workplace, anywhere in the world. The e-tools that support the framework and its target audiences – practitioners, professionals, educators, employers and recruiters will be discussed.
Eldene E. Pozniak, CRSP, CMOSH, MIRSM, INSHPO, Saskatoon, Saskatchewan, Canada; Terrie S. Norris, CRSP, ARM, CPSI, INSHPO, Long Beach, CA

510 Short Service Employee Programs (I)
Sponsored by the Oil & Gas Practice Specialty
As the O&G industry rebounds, many new workers will join the industry without knowledge of the industry, operations, or hazards. To reduce injuries to new workers, companies need a Short Service Employee (SSE) Program. This session will provide information to develop an SSE Program including examples using ANSI/ASSE Z490.1-2016.
Wayne Vanderhoof, CSP, RJS Safety Inc., Clayville, PA

511 Key Safety and Health Documents: Shields or Swords? (I)
Sponsored by ClickSafety, the Women in Safety Engineering (WISE) Common Interest Group and the Mining Practice Specialty
Are key safety and health documents critical as a shield against citations and penalties from OSHA/MSHA? Or will the agencies use your materials as a sword to secure personal, civil or criminal prosecutions? Learn best practices for document creation and destruction, explore legal privilege, government subpoenas and injunctions, and more.
Adelle A. Abrams, J.D., CMSP, Law Office of Adele A. Abrams, P.C., Beltsville, MD

512 Effectively Handling An OSHA Inspection Under Enforcement-Driven OSHA (E)
Sponsored by ClickSafety
OSHA has become much more aggressive about inspections and rule enforcement. This presentation offers attendees an in-depth, practical examination of the Occupational Safety and Health Act and how it and the Secretary of Labor’s right to enforce the Act may potentially affect the inspected facility and the company’s business objectives.
Edwin G. Fouke, Fisher Phillips, Atlanta, GA

513 Improving General Industry Qualitative Risk Assessments Using LOPA Concepts (I)
Sponsored by Chubb
Layer of Protection Analysis techniques used in the process industries hold promise for improving understanding of controls in general industry. In particular, the concepts of Independent Protection Layer and Probability of Failure on Demand improve our understanding of control strength and reliability, and thereby increase the accuracy of risk assessments.
John R. Mulhausen, Ph.D., CSP, CIT, 3M Company, St. Paul, MN

514 Hazards of Homeless Encampments & Working in Urban Environments (I)
Sponsored by the Oil & Gas Practice Specialty
This groundbreaking session introduces the hazards of working near homeless encampments, and working in urban environments. It provides an eye-opening introduction to the work environments, workplaces (facilities), and worker tasks where homeless encampments, meth labs, and other urban hazards can potentially be encountered by a variety of workforces.
Cynthia E. Braun, CSP, CHMM, CET, Braun Safety Associates, LLC, Littleton, CO

515 Intersection of Wearable Safety Devices, Data Collection and Cyber Policy Risk (I)
Employers are utilizing wearable technology under the noble cause of improved safety and health, but have we adequately addressed risk? or have we made knowledge of hazards a discoverable fact? As an organization, where can you best utilize wearable technology to enhance, not mask, the “personhood” of your employees.
Rachel Michael, CPE, CHSP, Aon Risk Solutions, Midway, UT

516 Human Error: There is NO Root Cause (A)
Accidents do not occur like falling dominos. Causation is multi-dimensional, nonlinear and difficult to predict. Though human error is often the proximate cause, it should never be the starting point of any investigation. This thought provoking session will explore why, in the end, human error cannot be the root cause.
Richard A. Pollock, CSP, ASP, CLMI Safety Training, Plymouth, MN
TUESDAY SESSION DESCRIPTIONS

517 Using Exposure-Based Scenarios to Enhance Hazard Recognition and Response (A)
This session outlines a mechanism for developing a much more robust hazard recognition ability into the organization’s toolkit. The process uses real-life situations to assist supervisors and their teams in recognizing when exposure is changing and enhancing their response to it as it arises • all while developing collaboration and teamwork.
Jim Spigener, DEKRA Insight, Oxnard, CA

518 How to Understand and Interpret ANSI Z359.2 to Develop a Fall Protection Program (I)
This session will provide an understanding of ANSI/ASSE Z359.2 Minimum Requirements for a Comprehensive Managed Fall Protection Program. This standard has been recently updated and new requirements and changes to existing requirements will be reviewed. Attendees will understand the rationale for requirements and how to implement them within their organization.
Kevin B. Denis, Gravitec Systems, Inc., Poulson, WA

519 Highlights of the Newly Released ASSE/ANSI Z244.1 Lockout Standard (I)
Sponsored by the Standards Development Committee
This presentation of the highlights of the newly revised ASSE/ANSI Z244.1 Lockout Standard is presented by a participating member of that Standard Development Committee and the global expert for the Master Lock Company on the application of lockout, tag out and alternative methods of controlling hazardous energy sources.
Todd C. Grover, The Master Lock Company, Oak Creek, WI

520 ISO/ANSI/ASSE 45001 Forum - Significant and Future Impact on Safety (I)
Sponsored by GlenGuard and the Standards Development Committee
The International Organization for Standardization (ISO) is developing a global occupational health and safety (OHS) standard intended to provide effective, real-world solutions for worker safety. The American National Standards Institute (ANSI) and the American Society of Safety Engineers (ASSE) are working together to engage U.S. stakeholders in this effort.
Victor Toy, CSP, CCH, Insys, San Mateo, CA; Todd R. Hohn, CSP, Underwriters Laboratories Inc., Northbrook, IL; James C. Howe, CSP, Safety Solutions, Oakland, CA; Kathy A. Seabrook, CSP, CMIOSSH, EuroOSH, Global Solutions, Inc., Mendham, NJ

521 You Can’t Fix Your Mental Health with Duct Tape: Blueprint for Suicide Prevention (B)
This presentation will cover the main sections of “A Construction Industry Blueprint: Suicide Prevention in the Workplace,” a call-to-action to construction executives around the world to make suicide prevention a health and safety priority. Also the outcome on how it helped spur national change in the construction industry.
Patricia Kagerer, CSP, ARM, American Contractors Insurance Group, Richardson, TX

522 Auto Safety and DOT Compliance (I)
Sponsored by the Transportation Practice Specialty
Auto crashes are the leading cause of death at work. Crashes are no longer the cost of doing business; they are a failure of business. This presentation will focus on driver training, how to hold drivers accountable to drive safely, and the impact of the DOT regulations on a business.
Charlie N. Halfen, Chubb ESIS, Houston, TX

523 Key Issue Roundtable Workshop: Safety Climate & Safety Culture During Economic Downturns (I)
Sponsored by the Blocks in Safety Engineering (BISE) Common Interest Group
What happens to safety during an economic downturn? How do you help employees focus on safety when their thoughts may be on job security? In this session, participants will look at the challenges and try to come up with solutions. Attendees will share their experiences and best practices while coming up with ways to improve the safety climate during economic downturns.

1:00 PM-2:00 PM PERIOD II

525 Responding to Safety Interventions in a Positive Way - Changing Safety Cultures (A)
It is critical people respond positively when someone points out an unsafe condition or behavior. Learn how a proper response improves safety performance. In this presentation, discover how to give people the skills they need to encourage those around them to watch out for everyone’s safety.
John W. Drebinger, John Drebinger Presentations, Galt, CA

526 Getting the OSH Professional’s Voice Heard - Communicating about Acceptable Risk (I)
This presentation explores the importance of communication when tackling risks in the workplace. It highlights a key role for the OSH practitioner, outlining how they can work with others to get messages about health and safety understood, and the skills they need to cultivate to get their message heard.
Graham Parker, CFIOSSH, Institution of Occupational Safety and Health (IOSH), Leicester, United Kingdom

527 Armoring the Workforce - Advances in PPE Design (I)
Sponsored by the Construction Practice Specialty
Head, eye and struck-by account for a significant percentage of workplace injuries. This presentation will assist safety professionals in using recent ANSI standards and advances in PPE design to customize PPE selection to the specific worksite conditions and identify PPE management best practice to maximize PPE function and worker protection.
Donald J. Garvey, CSP, CIH, CET, 3M Company, St. Paul, MN

528 Construction SH&E Best Practices: Guidance for Young Professionals (B)
This presentation reviews the Future Leaders of Construction Safety SH&E Best Practices Project. The definition of best practice, challenges faced when implementing a best practice, effective persuasion strategies, and advice and recommendations for SH&E young professionals will be examined.
Krystal Zwingi, MPH, ASP, Zachry Industrial, Inc., San Antonio, TX; Timothy G. Bates, CSP, CHST, STS-C, Hensel Phelps, Baytown, VA; Andrew Mahoney, CSP, PCI, Construction, Bossier City, LA; Molly C. O’Brien, FDR Safety, Franklin, TN; Scott A. Sewing, CSP, CHOT, STS, AECOM, Gallowin, TN

529 911, What’s Your Emergency? We Have an Active Shooter, HURRY, PLEASE (I)
Sponsored by the Risk Management/Insurance Practice Specialty
This session will provide an overview of active shooter situations that have occurred over the past few years, and the step that the Best Buy Company has taken to improve their processes to control these situations should they occur. Create the mindset for your employees, RUN-HIDE-FIGHT® and beyond.
Scott B. Lassila, CSP, ASP, CMIOSSH, Aon, Pearland, TX; Missy Bertrand, Best Buy, Richfield, MN

530 Environmental Regulations - What Safety Professionals Need to Know (I)
Sponsored by Grainger and the Environmental Practice Specialty
Management of an environmental program has increasingly become a major focus of safety professionals. Many companies have a separate environmental staff, however as companies streamline their professional support services a trend towards an increase in consolidation of safety and environmental functions has emerged.
Salvatore Caccavale, CPEA, Air Liquide Advanced Materials, Easton, PA

531 Lighting Basics for the EHS Professional (I)
Sponsored by the Ergonomics Practice Specialty
Lighting has many important, often unrecognized, impacts that an EHS professional needs to be aware of. These include, a number of physiological and psychological impacts, environmental light pollution, and energy usage/sustainability. Recent research findings and regulatory initiatives are making a knowledge of lighting basics more important for the EHS professional.
William J. Mills, Ph.D., CIH, Northern Illinois University, Dekalb, IL; Kevin B. Martin, Ph.D., Northern Illinois University, Dekalb, IL

532 Identifying Sprinkler System Inadequacy at Your Facility (I)
Sponsored by the Fire Protection and Risk Management/Insurance Practice Specialties
This session addresses fire sprinkler systems in commercial and industrial occupancies. Learn some key points to help identify sprinkler system inadequacy. By looking at the system components and installation, you may be able to identify inadequate protection for a commodity, storage area or special hazard.
Walter S. Beattie, CSP, CFPS, CSHM, Beattie Fire Protection & Risk Consulting, LLC, Pottstown, PA

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537 Practical Tools for Gender Equal Protection in OSH Programs (I)
Sponsored by the Women in Safety Engineering (WISE)
Common Interest Group and the Consultants and Industrial Hygiene Practice Specialties
Learn how to provide gender equal protection to your company’s workers. This session will cover risk assessments for new and expectant mothers, OELs and exposure group considerations for the pregnant or breastfeeding worker, and provide a model to evaluate these special exposure groups with recommended actions.
Morgan M. Bliss, MS, CSP, CIH, Central Washington University, Ellensburg, WA; Jacob Krzystowczyk, MS, CSP, CIH, The Albemarle Corporation, Baton Rouge, LA

542 Opening Our Eyes to Fatigue in the Workplace (E)
Eye on Fatigue is a unique approach integrating organizational strategies and worker empowerment to create a strong fatigue management safety culture. Fatigue is a multi-faceted challenge that requires comprehensive strategies to fully mitigate. This involves moving past regulatory requirements to have both management and workers share risk management responsibilities.
Susan L. Sawatzky, CRSP, In-Scope Solutions, Banff, Alberta, Canada

534 Medical Marijuana: Miracle Drug or Safety Nightmare? (I)
This session will present information on the current use of medical marijuana, and how that use could impair workers across every industry, and negatively impact safety on-the-job. Current workplace drug testing policies, and whether those policies should remain the same or be updated will be discussed.
Fred H. Kohanna, M.D., MBA, FACOEM, AllOne Health, Woburn, MA

539 The Intersection of Risk Management and Fleet Management (I)
Get an insurance company’s perspective on how to apply risk management practices to your fleet management program. Areas to be covered include driver and vehicle selection, vehicle maintenance and replacement, driver training and accident management. A benchmarking tool for evaluating your current program will be presented.
Sheila M. Copping, CSP, CFPS, Chubb, New York, NY; Jennifer Guerrini, CSP, CDUs, Chubb, Whitehouse Station, NJ

545 Wild, Wacky and Highly Effective Training v6.0 (I)
Attendees of this session have learned that safety training can be effective, engaging and FUN! A fast-paced program with numerous demonstrations will show how to incorporate new ideas and techniques into your training. Learn how bananas, rat traps and smashing watermelons can make your training more effective and memorable.
Mark E. Briggs, CSP, ARM, Safety Management Resources Corp., Champaign, IL

546 Fundamentals of SH&E: Hazard Identification and Control (B)
This session will address essential elements of hazard identification and how hazards can be defined, eliminated or controlled. The major sources of hazards; systematic methods of evaluating them; system safety concepts; accidents and incidents defined; and the fundamental elements of accident/incident investigations will also be covered.
David F. Coble, CSP, CCM, Taylor & Jones Safety Associates, LLC, Cary, NC
### TUESDAY SESSION DESCRIPTIONS

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Sponsor</th>
<th>Description</th>
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<tbody>
<tr>
<td>3:15 PM-4:15 PM PERIOD III</td>
<td>Delivering Effective Safety Communications in the Boardroom and the Break Room (I)</td>
<td>Sponsored by the Blocks in Safety Engineering (BISE) Common Interest Group</td>
<td>This presentation will focus on how to emphasize the importance of safety based on the needs of the audience. Strategies of effective communication will assist participants in improving their communication skills with top management while also engaging line employees to build safety ‘buy-in’ for measurable success. Randall C. Butler, MS, CSP Consumers Energy, Holland, MI</td>
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<td>Executive Animation of EHS&amp;S at L’Oréal (I)</td>
<td>Successful animation is the right message at the right time in your organization. L’Oréal EHS&amp;S executives will share how they animate various EHS&amp;S data, programs and actions to organizational leaders in an effort to inform and influence desired outcomes and share beauty with all. Joy R. Harf, CSP, CPEA, CHMM, L’Oréal Americas, Clark, NJ; Kristin K. Herman, CSP, CHMM, CPEA, L’Oréal Operations Americas, Clark, NJ</td>
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<td>Enhancing Construction Safety Using Wearable Technology (I)</td>
<td>Sponsored by the Construction Practice Specialty</td>
<td>Understand the benefits of utilizing wearable technology to enhance your overall construction safety. David B. Korman, CSP, SKANSKA, New York, NY; Albert Zulps, AIA, SKANSKA, Boston, MA</td>
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<td>Improving Safety and Health in Construction by Putting Research into Practice (I)</td>
<td>This session will provide an insight into many of the resources developed and made available by CPWR - The Center for Construction Research and Training, to enhance construction worker safety and health. Learn how to use the web-based Construction Solutions and Safety Climate Assessment Tool (S-CAT), and learn about other CPWR’s research-to-practice resources. Babak Memarian, Ph.D., CPWR - The Center for Construction Research &amp; Training, Silver Spring, MD; Linda M. Goldenhar, Ph.D., CPWR - The Center for Construction Research &amp; Training, Silver Spring, MD</td>
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<td>Preparedness - Are You Ready to Deal with a Crisis? (I)</td>
<td>Sponsored by Chubb and the Women in Safety Engineering (WISE) Common Interest Group</td>
<td>Can your company respond to one of the latest threats or disasters that you’ve seen on the news? Is your preparedness plan flexible enough to address future concerns? This session will differentiate between preparedness, emergency response and business continuity, and the essential role of the safety and health professional. Deborah R. Roy, MPH, CSP, COHN-S, L. L. Bean, Freeport, ME; Sharon D. Kermer, MS, COHN-S/CM, FAACHN, Baxter Healthcare, Round Lake, IL</td>
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<td>One-Handed and Asymmetric Lifting Assessment (A)</td>
<td>Sponsored by the Ergonomics Practice Specialty</td>
<td>Manual material handling (MMH) injuries remain the most prevalent and costly work related musculoskeletal disorder. However, most MMH assessment methods do not account for one-handed or asymmetric lifting. This presentation proposes simple, practical modifications to existing methods as well as new models that incorporate assessment of asymmetric lifts. Richard F. Seek, Ph.D., CPE, Auburn University - Industrial and Systems Engineering Department, Auburn, AL; John S. Pentikiss, MS, CPE, U.S. Army Center for Health Promotion and Preventive Medicine, Timonium, MD</td>
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<td>Creating a Culture of Health to Optimize Preventative Health and Safety Programs (B)</td>
<td>Sponsored by the Health &amp; Wellness Branch of the Healthcare Practice Specialty</td>
<td>Steps, solutions and tools for creating a true rooted culture of health by simultaneously addressing behaviors and the environments in which they take place. All in an effort to effectively establish behavior change, improve employee health, well-being, safety, productivity and engagement as well as reduce injury, absenteeism and associated costs. Kerre E. Aufsesser, CWWP, CWWS, WellAdvantage, Sykesville, MD</td>
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<td>BBS: The Good, The Bad and The Ugly (I)</td>
<td>A highly interactive session involving all attendees! We will look at some key dynamics of why employees in so many companies have become mechanical in performing their BBS process, if they participate at all. BBS, Behavior-Based Safety, is the most commonly used process to obtain improvements in injury reduction. Bill Sims Jr., The Bill Sims Company, Irmo, SC</td>
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<td>Respiratory Protection Programs - Let the Standard Work for You (I)</td>
<td>Sponsored by the Standards Development Committee</td>
<td>This session provides the necessary information to develop, implement, administer and properly sustain a respiratory protection program. The general requirements and administrative aspects of a respiratory protection program to include training, evaluation, fit-testing, cleaning, maintenance, record-keeping, emerging technology issues and CBHNE emergency response requirements will be covered in detail. Dennis A. Terpin, Ph.D., OHST, CSM, University of Illinois at Chicago, Chicago, IL</td>
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<td>International Best Practices of SH&amp;E Incident Reporting &amp; Investigation Techniques (A)</td>
<td>Sponsored by the International Practice Specialty</td>
<td>As per specific country, legal and company policies incident reporting and investigation is required to learn the lessons as well as to take corrective actions to avoid re-occurrence. This session incorporates a panel presentation on International best practices of SH&amp;E incident reporting and investigation techniques from Europe, Asia and GCC countries. Ashok Galkapati, CSP, QEP, CMOSH, Kuwait Oil Company, Ahmadi, Kuwait; Richard T. Cooper, Level 3 Communications, LLC, Trowbridge, Wiltshire, United Kingdom; Nirmayu Mukkep, PRAWAR, Pudong, Shanghai, China; Fahad Al-Dhamem, Kuwait Oil Company, Ahmadi, Kuwait</td>
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<td>OSHA Injury and Illness Reporting Revisions: Update on the New Requirements and Related Enforcement Policies (B, I, A)</td>
<td>In this presentation OSHA will outline the new requirements, and will describe the type and level of data that must be submitted by different groups of employers, and how this data will be made available to the public on OSHA’s website. OSHA will discuss enforcement policies related to this new rule, including the provisions associated with informing employees of an employer’s procedures for reporting a work-related injury or illness, and the prohibition from discriminating against employees who do so. David Schmidt, U.S. Department of Labor - OSHA, Washington, DC; MaryAnn Garnahan, U.S. Department of Labor - OSHA, Washington, DC; Patrick J. Kapust, CSP, U.S. Department of Labor - OSHA, Washington, DC; Minam Schoenbaum, U.S. Department of Labor - OSHA, Washington, DC</td>
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<td>Bowtie Risk Assessment - Tips and Tricks for Success (I)</td>
<td>Bowtie analysis is a risk assessment methodology for moderately advanced high risk scenarios. Learn how to identify causal relationships of both the controls and the consequences consistent with the hierarchy of controls, and a semi quantitative approach for calculating residual risk. Paul Esposito, CSP, CIH, STAR Consultants, Inc., Annapolis, MD</td>
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<td>Your Most Costly Workers’ Comp Claim?</td>
<td>Hint: It’s Auto Accidents - Avoid Mod Abuse! (I)</td>
<td>The dramatic rise of telecommuting and the remotely based workforce has dramatically altered the insurance landscape for businesses. The fleet safety program now faces novel challenges to address fleet safety, vehicle collisions, and the unique issues associated with telecommuting. The presentation will explore how to effectively address these challenges, as well as ways to reduce the risk associated with these types of claims. Gerard R. Conodella, ARM, ALCM, Nationwide Insurance, East Northport, NY</td>
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<td>Setting Frontline Supervisors Up for Success in Safety (I)</td>
<td>Frontline supervisors are crucial in safety. They are the execution point of safety vision, values, strategies and processes and yet they are often the least experienced leaders. The session will explore how to set up frontline supervisors to take on the leadership role they need to increase their effectiveness. Judy L. Agnew, Ph.D., Aubrey Daniels International, Turlock, CA</td>
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3:15 PM-4:15 PM PERIOD III

564 Strategies for Preventing Fatal & Life Changing Injury Events (B)
Sponsored by the Risk Management/Insurance Practice Specialty
Prevention of fatal and life changing injury events starts with recognizing that all organizations have risk. By understanding what motivates employee decision making, the critical elements of a mature safety climate, and precursors to fatal and life changing injury events, we can implement strategies to reduce the risk for employees.
Frank J. Baker, CSP, CFPS, ARM, Eastern Alliance Insurance Group, Carmel, IN; Gregory A. Clone, CSP, Eastern Alliance Insurance Group, Ca

565 Moderating the Use of Discipline to Achieve a Positive Safety Culture (I)
This session will discuss problems with traditional disciplinary techniques and why cookbook approaches to human error can create worker disengagement and harm safety performance. Armed with fresh insights, you’ll learn proven strategies for moderating the use of discipline while creating safety leadership and ownership within your managerial ranks.
Michael Belcher, CSP, DS Services of America, Inc., Atlanta, GA; Mike McCarron, CSP, ProSafe Solutions, Temple, GA

566 Scaling an Occupational Safety Management System for Small and Medium Sized Organizations (I)
Sponsored by the Council on Professional Affairs, the Women in Safety Engineering (WISE) Common Interest Group and the Consultants and Risk Management/Insurance Practice Specialties
Developing and implementing occupational safety and health management systems is a daunting task for some professionals. Using ANSI/AIHA/ASSE Z10-2012 as the foundation along with ANSI/AIHA/ASSE Z-690 and ANSI/ASSE Z590.3, this session provides a scalable method to create and implement an effective OSHMS in any sized organization.
Pamela Walaski, CSP, CHMM, GAI Consultants, Inc., Homestead, PA

567 Green Light! Advancing Understanding of Sustainable Safety Innovation Benefits (I)
Sponsored by the Women in Safety Engineering (WISE) Common Interest Group
Learn all about “green” opportunities and challenges and expand your professional and personal power to make an impact on safe jobs and products, as well as business profitability and environmental responsibility! Building a stakeholder base of common understanding provides powerful support and innovative collaboration. One person can make a difference!
Louise E. Vallee, CSP, CHI, CPE, Crum and Forster, Morristown, NJ

569 The Power of Robots to Improve Safety, Featuring Drones (UASs) as the Good Guys (B)
Sponsored by Chubb, the Blacks in Safety Engineering (BISE) Common Interest Group and the Utilities Practice Specialty
With the inevitable onslaught of Unmanned Aircraft Systems (UASs or drones) into our airspace, EHS professionals (more than any other profession) are needed as informed advocates, so that the risks of using this technology can be effectively mitigated, and the benefits can be maximized.
Linda G. Rhodes, CSP, ComEd, Oakbrook Terrace, IL

570 Humor in Safety: From Blah Blah Blah to Ha Ha Aha (I)
Have your safety presentations become boring? Spruce them up with a little humor! Attendees will learn how to engage employees through personal anecdotes, humorous video clips, storytelling and more. We all know that safety is a serious topic, but this session will show you how to make safety training interesting and fun!
Tim Page-Bottorff, CSP, SafeStart*, Belleville, Ontario, Canada

571 My Car Does WHAT? Engineering Controls for Common Vehicle Crash Types (B)
Did you know that your car, light truck or tractor trailer can be equipped to perform threat analyses and take action on impending crashes faster than you can react? Learn what options exist to stop or mitigate collisions that your fleet could be specifying on its next fleet order.
Paul H. Farrell, CDS, Nationwide Insurance, Harleysville, PA

572 Key Issue Roundtable Workshop: Dropped Object Incident Prevention Techniques in the Oil and Gas Industry
Sponsored by the Oil & Gas Practice Specialty
Oil industry injury statistics indicate that dropped objects on oil & gas drilling and production sites are the major cause of High Potential (HIPO) incidents that result in serious injury or fatality. Trends indicate that these types of incidents are actually increasing. Practices and procedures the industry uses to prevent dropped object related incidents will be discussed. This session will explore and document the various methods and tools used to combat this growing problem.

574 Key Ingredients: What Makes a Safety Strategy Effective (E)
Sponsored by the Management Practice Specialty
Many companies have goals, programs and well-defined tactics, but only the best have an effective safety strategy that focuses on both injury-prevention and culture. Learn the necessary key ingredients, see examples from other companies, and explore what steps to take to create a 3-5 year strategic roadmap for your organization.
Shawn M. Galloway, ProAct Safety, Inc., The Woodlands, TX

576 Using Data to Drive Positive Change in a Best-in-Class Fleet Safety Program (I)
Sponsored by Chubb and the Transportation Practice Specialty
A fleet-vehicle crash can result in significant injury, liability, repair costs, and lost productivity. In this session, learn how a best-in-class fleet safety program partnered with researchers and its fleet service providers to analyze its crash data, leading to positive changes in its vehicle safety and training programs.
Stephanie G. Pratt, Ph.D., NIOSH Center for Motor Vehicle Safety, Morgantown, WV; Joseph J. Patterson, Johnson & Johnson, Elm Grove, WI; Tony Vinciguerra, MBA, Element/Center for Transportation Safety, Sparks, MD

577 ANSI/ASSE A10 Construction Safety Forum - Significant Standards Pending (I)
Sponsored by the Council on Practices and Standards, the Standards Development Committee and the Construction Practice Specialty
This presentation will explore how the ANSI/ASSE A10 Construction and Demolition Standards are being increasingly used, and an overview on several new pending standards addressing prevention through design, health hazards, tower construction, and wind generation.
Richard King, CSP, Black & Veatch, Centennial, CO; TBD TBD

578 Fires, Floods and Disasters: Protecting Employees Involved in Investigations (I)
Sponsored by the Environmental and Risk Management/Insurance Practice Specialties
Investigators involved with onsite evaluations at fires, floods and disasters often times put themselves in harms way from obvious and not so obvious hazards. This presentation will identify common hazards and associated precautionary responses for those involved with site investigations after fires, floods and disasters.
Jeffery C. Camplin, CSP, CPEA, CET, Camplin Environmental Services, Inc., Rosemont, IL

579 Exoskeleton Technology - Making Workers Safer and More Productive (I)
Participants will learn what exoskeleton technology is, and what types are available and in use in various industries. A real life study and its results will show attendees how to properly assess and add exoskeleton technology to their list of personal protective equipment. This session will provide insight into the advancements of this technology and its potential limitations.
Terry Butler, CSP, Lean Steps Consulting Inc., West Des Moines, IA; Daniel Wisner, CEA, CBES, John Deere Des Moines Works, Ankeny, IA

580 A Healthy Workforce: How Workers’ Comp and Wellness Programs Go Together (B)
The new era in healthcare insists that employers be actively engaged in the health of their workforce. This session will show you from hire to retire - changing the way industry leaders manage their work environment, hiring processes, and wellness to effectively manage their most valuable asset, their people.
Matthew L. Condon, J.D., MBA, Bardavon Health Innovations, Overland Park, KS
TUESDAY SESSION DESCRIPTIONS

581 The Human Side to Change: Make Safety Protocols “Inevitable & Resistance Futile” (A)
Even when safety protocols are “just what the doctor ordered,” they are ineffective if employees don’t adopt them. Research shows most organizations’ change management systems obtain lack-luster improvements of 10 to 20 percent. In this session, leaders will learn an innovative model with powerful strategies to drive rapid, sustainable change.
David Maxfield, Ph.D., VitalSmarts, Provo, UT

582 Diacetyl and Other Flavorings - New Health Concerns for Coffee Processors (I)
Sponsored by Chubb
Concerns about Diacetyl and related flavorings has spread to coffee processing. Exposure may result in various health effects including reduced lung function, and in extreme cases fatal lung disease. Exposure may occur during grinding, roasting, flavoring and packing. Learn updated recommendations from NIOSH on exposure assessment, engineering, administrative controls and PPE.
Sharath F. Smith, M.Eng., CSP, 3M, Saint Paul, MN

583 2017 Global Briefing (A)
Sponsored by the Women in Safety Engineering (WISE) Common Interest Group and the International Practice Specialty
Globally fluent Safety/Health professionals seeking to understand the business environment in which they operate anticipate change and adaptive challenges, are early adopters, and create OH&S value. Here’s what’s trending: business OH&S connectivity, sustainability performance, non-financial reporting, human capital, OH&S metrics, OH&S materiality, GRI’s OHS Working group and ISO 45001.
Kathy A. Seabrook, CSP, CMOSH, EuroOSH, Global Solutions, Inc., Mendham, NJ

584 Addressing Worker Fatigue Issues in the Oil and Gas Industry (B)
Sponsored by Essilor Prescription Safety Eyewear
Worker fatigue is a critical occupational risk in oil and gas operations. This presentation will identify fatigue-related sources and consequences in onshore/offshore oil and gas operations, review assessment techniques, and discuss potential fatigue mitigation strategies that can be designed and sustained.
Ranjana K. Mehta, Ph.D., MS, Texas A&M University, College Station, TX

585 Walking & Working Surfaces - New OSHA Final Rule Criteria (I)
Sponsored by ClickSafety
This presentation will focus on the new proposed Walking and Working Surfaces for General Industry to include: Major changes to OSHA CFR1910 Subpart D; Focus on new fall protection requirements and references to ANSI Z359 Fall Protection Code; Case studies and statistics; Affected industry specific hazards; and Mitigation techniques and equipment.
Paul Colangelo, CHST, STS, CET, ClickSafety, Burlington, MA

586 And the Survey Says… (I)
Results of the round table discussions, surveys, and in-person interviews with national and local chapter ASSE members regarding the value/benefits and shortcomings of OSHA’s Top 10 list; and potential alternative lists will be shared. Find out what your safety professional peers value.
John M. Elziwowski, MS, CSP, QSSP, W. W. Grainger, Inc., Janesville, WI; Sally J. Smart, CSP, QSSP, W. W. Grainger, Inc., Janesville, WI

587 Beyond the Matrix, Preventing Incidents with a Risk Assessment Process (I)
Sponsored by the Risk Management/Insurance Practice Specialty
This session will focus on developing a risk assessment process to reduce risk and effectively minimize incidents. OHS professionals need to move from conducting hazard identification and implementing corrective action to assessing risks. The next step is effectively deploying these documents into an integrated process to align with business processes.
Francis P. Sehn, CSP, ARM, Willis, Pittsburgh, PA

588 Does Your RTW/Injury Management Process Need Tweaks? An Injured Employee’s View (I)
Sponsored by the Women in Safety Engineering (WISE) Common Interest Group and the Risk Management/Insurance Practice Specialty
Follow an injured worker’s story through healing and return to work. See how your well-intended efforts to “manage” the claim and control costs can be derailed. Strategies for tweaking your process to improve employee perception, and execution of the injury management and return to work process will be shared.
Angela D. Banerjee, CSP, ALCM, ARM, Acuity Insurance, Sheboygan, WI

589 Negligent Entrustment…. What You Don’t Know Can Drive You Out of Business! (E)
Sponsored by the Construction and Risk Management/Insurance Practice Specialties
This presentation will explore the liability and personnel loss exposures that employers face when employees get behind the wheel. If you want to fully appreciate the magnitude of your company’s risk, attend this presentation and you will learn risk control strategies to protect your people and your balance sheet.
Timothy J. Batz, CSP, ARM, IMA, Inc., Denver, CO; Rick C. Zeller, CSP, STS-C, ARM, Zurich Services Corporation, Greenwood Village, CO

590 Safety Differently - A New View of Safety Excellence (I)
Tired of seeing your safety programs stagnate? This session will provide a new perspective on safety excellence based on Safety Differently. This is not a silver bullet or another flavor of the month. Safety Differently aligns with the goals of the organization providing new solutions to old safety problems.
Ron Garnt, CSP, CET, ARM, SCM, San Ramon, CA

591 Peace, Love, Safety: When Compliance Driven Safety Isn’t Working (I)
Sponsored by the Women in Safety Engineering (WISE) and Young Professionals in OSH Common Interest Groups and the Construction and Consultants Practice Specialties
Running your safety program from a place of fear and in extreme cases fatal lung disease. Exposure may occur during grinding, roasting, flavoring and packing. Learn updated recommendations from NIOSH on exposure assessment, engineering, administrative controls and PPE.
Francis P. Sehn, CSP, ARM, Willis, Pittsburgh, PA

592 Harnessing the Power of Appreciative Inquiry to Achieve Transformational Results (I)
Sponsored by the Consultants and Training & Communications Practice Specialties
Appreciative Inquiry (AI) evolved many years ago as a positive approach to guide change in organizations. In contrast to “deficit-based” thinking, AI is based on the assumption that inquiry and dialogue about strengths, successes, hopes and dreams can be a transformational process that results in huge shifts in thinking and culture.
Chris Ross, CSP, CIP, The Engagement Effect, Anchorage, AK

593 PTD Business Case: Reducing Cr VI Exposure in a Tailpipe Assembly Facility (A)
Implementing new engineering controls reduced the risk of Hexavalent Chromium exposure to welders in an exhaust tailpipe and muffler assembly facility. Visual observations and sampling results at hand welding stations indicated that most welding fumes are not captured. Various alternatives were identified and implemented according to PTD hierarchy of controls.
Georgi Popov, Ph.D., QEP, University of Central Missouri, Overland Park, KS; Ellyn Biddle, Ph.D., West Virginia University, Morgantown, WV

594 OSHA’s Enforcement and Significant Changes in the 2015 NFPA 70E (I)
Sponsored by Westex
This session will help facilities understand the latest NFPA 70E changes as well as OSHA’s enforcement of these standards. Attendees will gain the necessary knowledge of how to maintain compliancy in the ever changing standards of electrical safety and training.
Doug Tellin, Electrical Safety Specialists, LLC, Louisburg, KS

595 Bag of Tricks - Presentation Design 1 (B)
Sponsored by the Manufacturing and Training & Communications Practice Specialties
Why are so many presentations a test of one’s ability to stay awake? Throw out everything you know or thought you knew about training presentations. Presentations today need to be a blend of plot, story, color, images and flow - learn how in this session.
Don Weatherbee, Henkel, Salisbury, NC

596 Fundamentals of SH&E: Fire Protection (B)
This session will provide attendees the basics in the fire protection area including the common hazards encountered in the workplace and the typical measures that must be taken to protect a facility or site from fire. Included in the session will be information concerning basic fire extinguishing equipment and use as well as other technical areas such as sprinkler systems. Basic fire chemistry will be included.
Stephen J. Musur, CSP, CFSR, Chubb Group of Insurance Companies, Chicago, IL

597 Key Issue Roundtable Workshop: Going Paperless with Safety
Sponsored by the Young Professionals in OSH Common Interest Group
All too often safety professionals are left with mounds of paper permits, audits, and procedures that are hard to collect, organize and measure. With readily available mobile tools, it doesn’t have to be that way! Tools and best practices that you’re already using to better manage safety more effectively using technology will be shared, and a paper developed that can be shared with the wider OSH community.
CONTINUE TO LEARN FROM THE GREATEST MINDS IN SAFETY

AFTER the conference is over with access to over 150 sessions recorded live at Safety 2017!

View carefully selected concurrent session presentations (which include audio synched to slides) and earn additional CEUs.

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Regular rate 3/16 - 5/1/2017 $149.00
Late rate 5/2 - 6/16/2017 $199.00
Leaders at every level have to deal with a sobering reality: the world has changed more in the last five years than in the last fifty. What worked in the past, will often fail with customers and colleagues today and you must achieve more with less time, less resources and higher stakes. Plus, the more successful you become, the harder it is to change.

In this motivational experience, Mel explains how rapid change has impacted your role as a leader and guides your audience through the process of identifying key areas and opportunities to raise their professional game. You’ll leave this motivational experience with key objectives for professional and personal growth, and the knowledge and inspiration to become the leader you want to be.

**PLENARY SESSION**

**Sponsored by ProcessMAP**

**1:00PM - 2:00PM**  
Speaker: To Be Announced  
*Occupational Safety & Health Discussion*  

This session will address the impact of the new administration on the US regulatory direction and policies with regard to safety and health including the potential for significant changes in enforcement, rulemaking emphasis and the role of regulatory agencies such as the Occupational Safety and Health Administration (OSHA).
<table>
<thead>
<tr>
<th>Track</th>
<th>10:30am – 11:45am (V)</th>
</tr>
</thead>
</table>
| **Business Skills & Personal Development** | 601 Show Me the Money: Demonstrating the ROI in People, Projects, and Programs  
602 Essential Leadership Competencies for HSE Professionals |
| **Construction / Mining** | 603 Screening and Selecting Safe Contractors and Subcontractors  
604 New ANSI & OSHA Confined Space Safety Standards - Host vs. Contractor Employers |
| **Emergency Management / Security** | 606 Common Warehouse Hazards and Protection - Preplanning to Prevent a Disaster |
| **Environment / Hazardous Material** | 605 The Exciting New ISO14001: 2015 EMS Standard & Successful Registration Case Study |
| **Ergonomics** |  
**Executive**  
601 Show Me the Money: Demonstrating the ROI in People, Projects, and Programs  
608 The Psychology of Homeostasis - Why Smart Technology Makes Us Take More Risk |
| **Fire Protection** | 606 Common Warehouse Hazards and Protection - Preplanning to Prevent a Disaster |
| **Healthcare / Wellness** | 607 Healthcare System's Implementation of a Safe Patient Handling and Mobility Program  
608 The Psychology of Homeostasis - Why Smart Technology Makes Us Take More Risk |
| **Human Behavior** | 609 Assessing Physical and Mental Fitness for Work  
617 Being Awake is Not Enough: Why You Need a Fatigue Risk Management System |
| **Industrial Hygiene / Health** |  
**International**  
610-a Anti-Bribery and Corruption Primer for OSH Professionals  
610-b Contractor Safety Management in Oil & Gas KNPC Refinery  
604 New ANSI & OSHA Confined Space Safety Standards - Host vs. Contractor Employers  
611 The New Silica Standard - Assessing Exposure in the Oilfield  
612 OSHA's New Electronic Recordkeeping: What Will It Mean To Me? |
| **Risk Assessment** | 613 Fatality Prevention Auditing: Effective Design and Deployment |
| **Risk Management / Insurance** | 614 OSHA, Don't Tell Me What To Do  
615 The Lone Worker is Changing, Are You? |
| **Safety Management** | 613 Fatality Prevention Auditing: Effective Design and Deployment  
614 OSHA, Don't Tell Me What To Do  
615 The Lone Worker is Changing, Are You?  
616 Identifying Cultural Hazards: 4 Clues Your Organization Is Out of Balance  
617 Being Awake is Not Enough: Why You Need a Fatigue Risk Management System  
618 Leadership for Today's Problems |
| **Technical / Engineering / Standards** | 619 Understanding the Proper Fall Protection Methods for Aerial Lifts  
620 Establishing an Effective Electrical Safety Program: Requirements & Approaches  
622 Zero Gravity: Safety Solutions for the Communication Tower Workforce |
| **Training / Education** | 621 Strategic Training Design - With a Magic Wand, a Bar Napkin and Speed Dating  
622 Zero Gravity: Safety Solutions for the Communication Tower Workforce |
| **Transportation** |  
**Fundamentals** |
<p>| <strong>Key Issue Roundtable Workshops</strong> | 623 Lessons Learned: Tips Related to Proposal Writing, Invoicing and Other “Necessary Evils” |</p>
<table>
<thead>
<tr>
<th>3:00pm – 4:15pm (VI)</th>
<th>4:30pm – 5:30pm (VII)</th>
</tr>
</thead>
<tbody>
<tr>
<td>625 The Tony Crow Story - SAFETY-24/7 at Work, Home &amp; Play - It's Not Just About Me</td>
<td>650 Leading the Leaders</td>
</tr>
<tr>
<td>626 Positive Influence - The Key to Effective Leadership</td>
<td>651 Persuasion Power, How to Get It, Use It and Keep It</td>
</tr>
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<td>627 CDOT ROCIP Heavy Civil Construction Insurance - Meeting the Challenges</td>
<td>652 Case Studies on OSHA's Federal Excavation Safety Standard</td>
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<td>628 Preparing and Practicing for a Successful Failure Using NFPA 1600</td>
<td>653 Opportunities and Challenges when Working with a Latino Workforce</td>
</tr>
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<td>629 Strategies to Address Environmental Issues During Repurposing and Redevelopment</td>
<td>654 New Tools for an Emerging Issue: How ANSI/ASSE Z-10 can Help with Indoor Air Quality (IAQ) Problems</td>
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<td>630 A Multifactoral Approach for Reducing Workplace Musculoskeletal Disorders</td>
<td>655 Accommodating the Plus Sized Office Employee</td>
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<td>632 Safety Beyond PPE</td>
<td>656 Preparing and Practicing for a Successful Failure Using NFPA 1600</td>
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<tr>
<td>639 Loss Control Business Leader Forum</td>
<td>657 Case Studies on OSHA’s Federal Excavation Safety Standard</td>
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<tr>
<td>633 Noise and Vibration Measurement with Smartphone Applications</td>
<td>659 OSHA - Saving Lives One Case at a Time Part 2</td>
</tr>
<tr>
<td>634-a Risk Perception to Prevention - Safety Excellence Journey at Construction Sites</td>
<td>660 Machine Risk Assessment and Reduction, An Ongoing Journey</td>
</tr>
<tr>
<td>634-b Hiding Incidents, Its Consequence and Analysis within the Company</td>
<td>661 Pedestrian Slip Safety: A Guide for Busy Professionals</td>
</tr>
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<td>638 Revolutionizing Risk Assessments - Oh My, Oh My, Bowties!</td>
<td>662 How to Use ISO 45001 to Get H&amp;S Risk Management on Your Main Business Agenda</td>
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<td>635 OSHA Compliance: Emerging Issues and Inspection Preparedness</td>
<td>663 Case Study: Driving Safety Culture with a Proven Near Miss/Safety Concern Program</td>
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<td>636 OSHA - Saving Lives One Case at a Time Part 1</td>
<td>664 S-Why: How This Simple Tool is Confused, Misapplied and Highly Underutilized</td>
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<td>637 Rethinking Risk Assessment: Adding the 3rd Dimension</td>
<td>665 Leveraging Generational Differences to Enhance Workplace Safety</td>
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<td>638 Revolutionizing Risk Assessments - Oh My, Oh My, Bowties!</td>
<td>666 Optimizing Safety through Leading Indicators</td>
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<td>668 Preparing and Practicing for a Successful Failure Using NFPA 1600</td>
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<td>640 Developing a Communication Strategy to Support a Journey to Zero</td>
<td>669 Does Your Training Deliver What It Says It Will?</td>
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<tr>
<td>641 Coca-Cola Operational Excellence; A Safety Diagnostic Event</td>
<td>670 High Impact Training: Using Life Events and Social Media For Employee Engagement</td>
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<tr>
<td>642 The Front Lines of Safety Culture Management: Dynamic Learning for Supervisors</td>
<td>671 Implementation of the New FDA Sanitary Transportation of Human and Animal Food</td>
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<td>643 Prevention Through Design Goes Virtual: A Case Study</td>
<td>672 Best Practices and Hurdles Implementing EHS-Related ISO Programs</td>
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<tr>
<td>633 Noise and Vibration Measurement with Smartphone Applications</td>
<td>673 Program Implementation: How to Implement ISO 45001 for Occupational Health &amp; Safety (OHS)</td>
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<td>644 CSB Investigation: Williams Olefins Geismar Plant Reboiler Rupture and Fire</td>
<td>675 Leading the Leaders</td>
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<td>645 Team-Based Safety Training Activities</td>
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<tr>
<td>647 Management of Fatigued Driving</td>
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ASSE is accredited by the International Association for Continuing Education and Training (IACET). ASSE complies with the ANSI/IACET Standard, which is recognized internationally as a standard of excellence in instructional practices. As a result of this accreditation, ASSE is authorized to issue the IACET CEU.
JUNE 21, 2017

10:30 AM-11:45 AM PERIOD V

601 Show Me the Money: Demonstrating the ROI in People, Projects, and Programs (I)
“Show me the money” is the mantra of the day for senior executives investing in programs and projects that drive business improvement. This session will describe a proven methodology that will help program owners demonstrate a credible ROI for programs intended to support a safe and healthy workplace. Patti Phillips, Ph.D., CPE, ROI Institute, Inc., Chelsea, AL

602 Essential Leadership Competencies for HSE Professionals (I)
Sponsored by the Blacks in Safety Engineering (BISE) Common Interest Group
No one knows if leaders are born or made, but leadership is a requirement. This session provides attendees with an expanded view of leadership, and the capability to implement its 4 key forms to assist them further and better in executing their roles more holistically and consistently. Julius E. Rhodes, SPHR, mpr group, Chicago, IL

603 Screening and Selecting Safe Contractors and Subcontractors (I)
Sponsored by the Construction and Risk Management/Insurance Practice Specialties
This presentation will identify the key elements of a contractor/subcontractor screening and selection process and explain optimal methods to inform firms of HSE requirements during the bidding and on-boarding/mobilization phase. Attendees will receive the procedures, checklists, screening documents and contractual exhibits that are effectively employed by a large general contractor. Mary L. Brown, CSP, Nordic PCL Construction, Inc., Honolulu, HI; Nathan W. Lutz, CHST, STS-C, Nordic PCL Construction, Inc., Honolulu, HI

604 New ANSI & OSHA Confined Space Safety Standards - Host vs. Contractor Employers (I)
Sponsored by Westex and the Standards Development Committee
This presentation is designed to give the audience a comparison of the newly revised ANSI Z117.1 R2016 “Safety Requirements for Entering Confined Spaces” with the new OSHA “Confined Spaces in Construction” Rule 1926.1201-1213 by two people conducting role playing at a construction site with one host and one subcontractor. Terry W. Krug, MS, CSP, CH, EKOSHA, Inc., Bartlett, IL; Timothy C. Healey, MBA, Hartford Steam Boiler Inspection & Insurance Co., West Hartford, CT

605 The Exciting New ISO14001: 2015 EMS Standard & Successful Registration Case Study (I)
Sponsored by the Women in Safety Engineering (WISE) Common Interest Group and the Environmental and Manufacturing Practice Specialties
This presentation on the new ISO 14001:2015 Standard will provide an overview of the newly organized standard’s focus and concepts, simple approach and registration benefits. The presentation will also include an ISO 14001 case study highlighting best practices presented by American Packaging Corporation, who recently received ISO 14001:2015 registration. Heather L. Ingraham, CHMM, AECOM, Chicago, IL; Dylan D. Gaudineer, American Packaging Corporation, Flexographic Center of Excellence, Story City, IA

606 Common Warehouse Hazards and Protection - Preplanning to Prevent a Disaster (B)
This session will educate safety professionals on common warehouse fire hazards and protection. The session will discuss the commonly encountered hazards that arise within warehouses that may occur over the course of operations without being identified as a potential fire protection concern. Erik G. Olsen, CSP, CFPS, Chubb Insurance, Whitehouse Station, NJ; Samuel J. Iannucci, CFPS, ARM, Chubb Insurance, Philadelphia, PA

607 Healthcare System’s Implementation of a Safe Patient Handling and Mobility Program (I)
Sponsored by the Healthcare Practice Specialty
A case study of a non profit healthcare system’s development and implementation of a Safe Patient Handling and Mobility program (SPHM). This session will provide an overview of this eight hospital system in 20 cities and the safety system developed over a 5 year plan showing financial impact and the outcomes achieved. Lori A. Severson, CSP, Lockton Companies, Denver, CO; Denise Louchs, CSP, CIH, St. Luke’s Health System, Boise, ID

608 The Psychology of Homeostasis - Why Smart Technology Makes Us Take More Risk (A)
Sponsored by the Mining Practice Specialty
Reducing the risk of workers with automation, smart technology and more protection may have the opposite effect - workers could be more at risk! The psychology of technology is largely unknown and unpredictable and this session will outline key considerations for the safety profession. Connie J. Pitzer, MBA, SAFEmap Technologies, Vancouver, British Columbia, Canada

609 Assessing Physical and Mental Fitness for Work (I)
Sponsored by the Construction Practice Specialty
Fitness-for-work evaluations help reduce risks and costs associated with workers who are not physically or mentally able to safely perform essential job functions. An occupational medicine physician will explain the evaluation process; examiner requirements; contributors to impairment (e.g., chronic conditions, pain remedies); key exam components; applicable policies and laws. Peter P. Greaney, M.D., WorkCare, Inc., Anaheim, CA

610 Fatality Prevention Auditing: Effective Design and Deployment (I)
Sponsored by the Mining Practice Specialty
Fatality Prevention Audit development, field assessment techniques and the process of uncovering organizational fatality risk causes will be covered. If your organization has a fatality risk blind spot or doesn’t have the capacity to effectively evaluate and communicate the ongoing health of fatality controls, then this session is for you. Peter T. Susca, MS, OpX Safety, Wethersfield, CT

611 OSHA’s New Electronic Recordkeeping: What Will It Mean To Me? (I)
Sponsored by the ASSE Government Affairs Committee and the Construction Practice Specialty
What Will It Mean To Me? (I)
Sponsored by ClickSafety, the Council on Professional Affairs and the ASSE Government Affairs Committee
This presentation will explore the new OSHA electronic recordkeeping standard and why OSHA thinks the standard will improve workplace safety, as well as contrary views and alternate metrics to address this controversial issue. C. Gary Lopez, CSP, AJ Gallagher Risk Management Services, Weston, FL

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614 OSHA, Don’t Tell Me What To Do (A)
Sponsored by the ASSE Government Affairs Committee and the Construction Practice Specialty
Employers shouldn’t only concentrate on satisfying the interminable list of OSHA regulations. Instead, management should combine the morale decision to safeguard workers with risk management tools. Employers should successfully and proactively mitigate hazards and exposures, and create their own solutions for worker safety, which can result in de facto compliance. Jeremy Bethancourt, Augsburger Komm Engineering, Phoenix, AZ; Mark Cannon, M.Eng., PE, Augsburger Komm Engineering, Phoenix, AZ

615 The Lone Worker is Changing. Are You? (I)
Tired of PowerPoint? Expand your mind on the changing definition of Lone Workers through the utilization of innovative presentation technology. This session breaks the barriers of the traditional definition of Lone Workers and provides you with tools on how to conduct a hazard assessment in your workplace. Nicole J. Holm, CSP, IMaC, Inc., Denver, CO; Nicole A. Coughlin, MBA, ASP, IMaC, Inc., Denver, CO

610-b Contractor Safety Management in Oil & Gas KNPC Refinery (I)
Sponsored by the International and Oil & Gas Practice Specialties
A sound contractor’s safety management will mitigate potential risk by having a proper system of contractor selection and monitoring their activities on day to day basis. This presentation will highlight KNPC’s contract management system and method of continuous monitoring of contractors. Ali Khahva, KNPC, Shuaiba Kuwait, Kuwait; Narayanan Vasudevan, CSP, KNPC, Shuaiba Kuwait, Kuwait

611 The New Silica Standard - Assessing Exposure in the Oilfield (A)
This presentation will describe strategies for compliance with the new respirable crystalline silica standards in the context of oil & gas operations such as hydraulic fracturing and other typical oilfield activities. Exposure assessment, definition of contaminated area, and required elements of a written exposure control plan will be reviewed. Timothy Hicks, CSP, CIH, Hicks Health & Safety, Golden, CO
WEDNESDAY SESSION DESCRIPTIONS

616 Identifying Cultural Hazards: 4 Clues Your Organization Is Out of Balance (A)
Sponsored by Grainger

Traditional health and safety risk assessments are focused on hazard identification, but what if the hazards are not physical or chemical? What if they are cultural? How can you identify cultural hazards that have a profound affect on safety, productivity and quality? Rodney E. Grieve, BRANTA Worldwide, Inc., Sacramento, CA

617 Being Awake is Not Enough: Why You Need a Fatigue Risk Management System (A)

Safety professionals regularly deal with the consequences of fatigue-related incidents without even knowing it. Until we fundamentally change the way we record incidents, perform investigations, conduct audits and collect worker input, we are not managing this hidden hazard. Learn how a Fatigue Risk Management System can drive change from within.

Mike Harnett, SIX Safety Systems, Calgary, Alberta, Canada

618 Leadership for Today’s Problems (I)

An organization's competitive advantage is in the skills and intellectual capital of its workforce. A key issue organizations face today is keeping their employees safe 24/7, since the majority of injuries/fatalities occur outside the workplace. Attendees will learn how to teach employees advanced safety skills to drastically reduce injuries 24/7.

Don Wilson, SafeStart®, Belleville, Ontario, Canada

619 Understanding the Proper Fall Protection Methods for Aerial Lifts (I)

Many workers are using inadequate fall protection when working in an aerial lift. Attendees will learn the proper methods of fall protection in an aerial lift, and be able to instruct their co-workers on how to obtain the right protection when doing this type of work.

Terry P. Keenan, CHST, MCC Inc., Greenfield, MN

620 Establishing an Effective Electrical Safety Program: Requirements & Approaches (B)
Sponsored by Westex

NFPA 70E electrical safety code provides guidance for electrical safety program establishment/implementation. These programs are intended to reduce arc flash/shock risk to qualified persons. Outlined are practical ideas for developing and implementing programs that are organization/operation specific. Elements from NFPA 70E (Electrical Safety in the Workplace) will be presented.

Paul A. Zoubek, CSP, CIH, Zoubek Consulting, LLC, San Diego, CA

621 Strategic Training Design - With a Magic Wand, a Bar Napkin and Speed Dating (B)
Sponsored by the Council on Professional Affairs

Does your training achieve the results you want? This session will introduce innovative instructional design techniques that can help build training that employees enjoy as well as benefit from. Evaluation of training effectiveness is what management expects, and a process to measure training impact will be outlined for participants.

Sharon D. Kemerer, MS, COHN-S/CM, FAOAHN, Baxter Healthcare, Round Lake, IL; Tim Gillum, Ph.D., Baxter Healthcare, Round Lake, IL; Kery S. Mortenson, MS, Baxter Healthcare, Round Lake, IL

622 Zero Gravity: Safety Solutions for the Communication Tower Workforce (I)

This presentation will focus on educating safety and health professionals on the challenges associated with working at elevation on communication structures, and highlight the abundance of fall protection standards, training pathways, safety resources, technology advancements and engineering initiatives that are enhancing safety and quality for the industry’s workforce.

Todd Schlekeyway, M.Ed., National Association of Tower Erectors (NATE), Watertown, SD; Kevin Dougherty, Millennia Contracting, Inc. / National Association of Tower Erectors (NATE), New Castle, DE / Burley, WA

623 Key Issue Roundtable Workshop: Lessons Learned: Tips Related to Proposal Writing, Invoicing and Other “ Necessary Evils” Sponsored by the Consultants Practice Specialty

You're a consultant (or maybe thinking about taking the plunge). You love working with your clients, but how do you handle the other aspects of the job like business plan development, invoicing, paying the bills, and other “necessary evils”? Attendees will share lessons learned from all types of consulting work and come up with best practices that can be shared with others in the field.

6:00 PM-7:15 PM PERIOD VI

625 The Tony Crow Story - SAFETY-24/7 at Work, Home & Play - It's Not Just About Me (B)
Sponsored by GlenGuard

Tony Crow worked for Texas Utilities at a coal-fired power plant for 26 years. On February 15, 2003, he was totally blinded for life. He shares the importance of communication, wearing the proper PPE, and speaking up when others are involved in non-safe actions, because ACCIDENTS CHANGE LIVES FOREVER.

Tony Crow, NURM, Winnie, TX

626 Positive Influence - The Key to Effective Leadership (A)
Sponsored by ClickSafety

Effective leadership cannot occur without influence, because influence is how effective leaders lead. Leaders have a daunting task with ways to energize and focus people that help fulfill dreams and give them a sense of purpose when the work is complete. Leaders accomplish this through influence, not authority.

Eddie Greer, CSP, Eddie Greer & Associates, Horseshoe Bay, TX

627 CDOT ROCIP Heavy Civil Construction Insurance - Meeting the Challenges (A)
Sponsored by the Construction and Consultants Practice Specialties

Building American highway infrastructure safely for workers and travelling public is always a challenging and inherently risky activity. CDOT’s 8 projects were in extreme conditions of mountain and urban highways, utilities, high volume truck, local, and tourist traffic. The keys to safety success were early owner/contractor engagement, contracts, and routine oversight/assistance.

Mark F. Semonisck, CSP, Lockton Companies LLC, Denver, CO; Douglas A. Martin, MBA, CSP, ARM, CPCU, Liberty Mutual Insurance, Centennial, CO; Julie Mileham, Colorado DOT, Denver, CO

628 Preparing and Practicing for a Successful Failure Using NFPA 1600 (I)
Sponsored by the Fire Protection and Public Sector Practice Specialties

Emergency planning is a systematic process that incorporates practice to ensure success. Preparation using NFPA 1600 will take all an hazards PDCA approach using readily available tools. An opportunity to practice emergency planning will be facilitated using a tabletop exercise to allow the audience to practice the PDCA steps.

Gabriel F. Miehl, CSP, CPFP, SGE, GE Transportation- Erie, Erie, PA; Leo J. DeBoby, EMT, CSP, CPAE, Stony Brook University, Stony Brook, NY; Edward Zimmermann, CSP, Texas A&M Forest Service, Marshall, TX

629 Strategies to Address Environmental Issues During Repurposing and Redevelopment (B)
Sponsored by the Women in Safety Engineering (WISE) Common Interest Group

Repurposing or redevelopment of aging infrastructure requires Environmental Health and Safety Managers to change their focus from operations and associated support activities. This presentation will provide a strategy for environmental management during repurposing and redevelopment. This strategy will be supported with examples from case studies and personal experience.

Maureen T. Hoke, P.E., OBG, Savannah, GA

630 A Multifactoral Approach for Reducing Workplace Musculoskeletal Disorders (I)
Sponsored by Chubb

Businesses hire employees, who are professional athletes in their own right. Because of the complexity of MSDs, using a multifactoral approach utilizing preventative sports medicine techniques is the next wave to reduce and manage worker soft tissue disorders.

Lori Peacock, PT, MS, Physical Performance Solutions, Aiken, SC

631 Workforce Health Status and Risk: An Emerging Issue in OHS Risk Assessment (B)
Sponsored by the Women in Safety Engineering (WISE) Common Interest Group

The declining health status of today’s workforce has decreased the predictive value of risk assessment practices. This session will expand the Safety Professional’s knowledge base of clinical aspects of common diseases and impact on risk, approaches to detect health issues and proactive strategies to address risk.

Jeanne P. Sherwood, RN, CWWS, WellAdvantage, Sykesville, MD; Edward Andrew Kapp, Ph.D., CSP, CHMM, Underwriters Laboratories, Inc., Northbrook, IL; Bonnie K. Monroe, WellAdvantage, Sykesville, MD

632 Safety Beyond PPE (I)

Workplace safety is meaningful to others when their brand is in an industrial accident. In this session you will find more then just a safety advocate, you will find a person and story that will touch your life and change your forever.

Kina M. Repp, Master Lock, Ione, WA

633 Noise and Vibration Measurement with Smartphone Applications (I)

Mobile application devices have a plethora of applications that can be extremely useful to the safety and health professional in measuring the broad range of vibration in the workplace. Attendees will learn about smartphone capabilities, application selection, and strategies to obtain reliable measurement results.

Helmuth W. Pausheid, Ph.D., CSP, CH, Indiana University of Pennsylvania, Indiana, PA
3:00 PM - 4:15 PM PERIOD VI

634 Preventing Accidents and Incidents: Global Perspective - 2 Part Session:
634-a Risk Perception to Prevention - Safety Excellence Journey at Construction Sites (A)
  Safety Excellence Journey at Construction Sites This session based on a case study will describe the facets of risk perception, its role in risk mitigation and demonstrate effectiveness of awareness programs as well as other initiatives in optimizing risk perception for incident prevention.
  Krishna Nirmalya Sen, P.E., & TMB MMH SBG, Kolkata, WB, India

634-b Hiding Incidents, Its Consequence and Analysis within the Company (I)
  This presentation is based on the events that resulted in employees suffering injuries at the workplace. This was a major concern because the company’s rigid incident reporting system had failed. These cases were investigated as to why people opted not to report the injuries.

635 OSHA Compliance: Emerging Issues and Inspection Preparedness (B)
  OSHA is gearing up their enforcement efforts through new rules, increased penalties, and rapid response investigations. OSHA has new protocols for their inspections, giving added resources to inspections involving ergonomics, chemicals, and workplace violence. This session will prepare you for these changes by highlighting OSHA compliance practices of two organizations.
  Brendan K. Moriarity, MSPh, CSP, CIH, Chubb North America, Bloomingdale, IL

636 OSHA - Saving Lives One Case at a Time Part 1 (B,L,A,E)
  Representatives from OSHA field offices will share the results of these case studies: Investigation of an Amputation at a Pallet Manufacturing Facility; Ammonia, the Not-so-Friendly Gas: Hazards of a Refrigerated Commercial Warehouse; and Safety on Lockdown – Workplace Violence in a Privately Operated Prison.

637 Rethinking Risk Assessment: Adding the 3rd Dimension (I)
  Using risk assessment matrices is nothing new for the safety professional. However, the traditional tool is missing the 3rd dimension. Through examination of these concepts, and the application of this knowledge to existing processes, risk assessments can become an even more effective tool in improving safety.
  Gary Higbee, MBA, CSP, Higbee & Associates, Johnston, IA

638 Revolutionizing Risk Assessments - Oh My, Oh My, Bowtie! (A)
  A Bowtie is a comprehensive tool utilized occasion-ally to assess risk. It can be perceived as complicated, confusing, difficult and even intimidating. This presentation will discuss how the Bowtie ‘methodology’ can be applied in a practical way that will ‘revolutionize’ how risk is recognized and addressed, and provide user-friendly resources.
  Tabitha A. Laser, CSP, CH2M, Katy, TX

639 Loss Control Business Leader Forum (I)
  Sponsored by the Risk Management/Insurance Practice Specialty
  This session organized by the Risk Management and Insurance Practice Specialty will address the major opportunities and issues in the risk management and insurance arena. The discussion with the expert panel gives attendees ample opportunity for questions and answers.
  James L. Newbery, CHST, Island Insurance Company, LLC, Honolulu, HI

640 Developing a Communication Strategy to Support a Journey to Zero (I)
  A safety improvement journey requires a strategy that leverages multiple written and active messaging opportunities to inform, involve and inspire. Through words and deeds leaders must set a credible “tone from the top,” managers must ensure accountability for safety activities, and front-line supervisors must champion a culture of zero-incident performance.
  Justin Ganshow, CSP, CHMM, Caterpillar Inc., Peoria, IL

641 Coca-Cola Operational Excellence; A Safety Diagnostic Event (A)
  This session will showcase a Safety Diagnostic approach using Coca-Cola’s Operational Excellence Principles to identify hazards, prioritize risk and reduce injuries. Focus will target reducing waste and risk associated with defects in the process, excessive motion / processing, transportation and improving culture and productivity.
  Steven Jablon, CSP, Coca-Cola, Cedar Park, TX; Daniel Callahan, CSP, Coca-Cola, Broad Brook, CT

642 The Front Lines of Safety Culture Management: Dynamic Learning for Supervisors (I)
  Sponsored by Grainger
  For an organization to have sustained improvement in operational and safety performance, it must recognize the power of culture and implement strategies to shape it. This presentation will discuss safety culture and demonstrate how dynamic learning has been successfully used to equip supervisors with the skills to help manage it.
  Charles C. Patton, CSP, UT-Battelle, Knoxville, TN

643 Prevention Through Design Goes Virtual: A Case Study (B)
  Using a case study, this session illustrates how Prevention through Design - applied using a virtual risk assessment through a BIM model - can reduce risk. The presenters will focus on lessons learned using a BIM model, the importance of team collaboration, and the critical nature of construction monitoring.

644 CSB Investigation: Williams Olefins Geismar Plant Reboiler Rupture and Fire (I)
  The U.S. Chemical Safety Board presents its findings and analysis of the June 2013 catastrophic reboiler rupture and fire at the Williams Geismar Olefins Plant in Geismar, Louisiana. A series of process safety management program failures contributed to the incident, in which two workers were killed.
  Lauren W. Gim, P.E., Chemical Safety Board, Lakewood, CO

645 Team-Based Safety Training Activities (B)
  Sponsored by the Training & Communications Practice Specialty
  Learn how to incorporate interactive training activities into your training classes in this hands-on session. Training activities which incorporate teamwork are especially effective. You will learn why providing opportunities for teamwork is important, plus have the opportunity to try out several team-based training activities yourself.
  Linda M. Tapp, CSP, ALCM, SafetyFundamentals, Madison, NJ

4:30 PM - 5:30 PM PERIOD VII

650 Leading the Leaders (A)
  Sponsored by ClickSafety
  This session will facilitate a discussion as to current characteristics of the organization’s current leadership team, and explore tools and methodologies as to how this team may utilize and apply their skills to the safety element of their management system.
  James “Skipper” Kendrick, CSP, Kendrick Global Enterprises, LLC, Hurst, TX

651 Persuasion Power, How to Get It, Use It and Keep It (I)
  Sponsored by the Consultants Practice Specialty
  Power is a discussion of how to get things done through others, achieve business results, and rise to leadership positions. It is common to believe that good work and dedication are the main drivers in the success of a professional career, they are not.
  Michael E. Rega, CSP, Cert. SPH Prof, MSM, Ecliptic Consulting Group, Clearwater, FL

652 Case Studies on OSHA’s Federal Excavation Safety Standard (A)
  A discussion of how to get things done through others, achieve business results, and rise to leadership positions. It is common to believe that good work and dedication are the main drivers in the success of a professional career, they are not.
  Michael W. Hayslip, P.E., CSP, ALTM, SafetyFundamentals, Dayton, OH

CENTENNIAL SPONSOR

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READY FOR THE WORKDAY™
653  Opportunities and Challenges when Working with a Latino Workforce (I)
Sponsored by the Safety Professional and the Latino Workforce (SPALW) Common Interest Group and the Construction Practice Specialty
This session will review NIOSH studies and BLS data that reveal significant disparities in injury and illness trends when working with a Latino workforce. Attendees can expect to learn effective techniques that help improve overall OH&S management systems.

Jerry E. Rivera, M.Eng., Washington, DC NECA, Fredericksburg, VA; Jorge Otoala, Hoar Construction, Vienna, VA

660  Machine Risk Assessment and Reduction, An Ongoing Journey (A)
Many industrial corporations have extensive inventories of machinery, some built decades ago and presenting hazardous exposures. Machine hazards can be identified proactively before an accident occurs. In this presentation the process of establishing an effective machine risk reduction program will be discussed, and specific essential program elements are identified and described.

Paul J. Prince, CSP, ESIS, Hendersonville, TN

661  Pedestrian Slip Safety: A Guide for Busy Professionals (I)
Many professionals express confusion as to the 'when, why, and how' of pedestrian slip safety. Providing a snapshot guide to key elements - including differentiating testing modes, mitigating liability and contractor management - this presentation leaves busy professionals with clear and workable knowledge of pedestrian slip safety risk management options.

Rebecca A. Findlay-Debeck, LL.B., Slip Assessment Services, Coogee, Australia

654  Accommodating the Plus Sized Office Employee (B)
Professionals are frequently called upon for input regarding design or modification for the Plus Sized Employee’s (PSE) office workstation. In this presentation we will focus on understanding the challenges facing the PSE, the opportunities for improvement of their office workstations, and appropriate ways to engage and discuss this sensitive subject.

Ronald W. Porter, PT, CEAS, The Back School, Atlanta, GA

655  Flash Fires & Explosions Caused by Electrostatic Discharges - Prevention/Control (B)
This presentation will discuss the conditions under which electrostatic charges can generate, accumulate and cause incendiary discharges during liquid and powder processing/handling operations.

Vahid Ebadiot, Ph.D., DNRA Insight, Princeton, NJ

656  New Tools for an Emerging Issue: How ANSI/ASSE Z-10 can Help with Indoor Air Quality (IAQ) Problems (I)
Indoor Air Quality problems are a growing concern for office workers and others. Many of the traditional tools don't seem to fit for IAQ issues as there are few standards, and the hazards are often changing. However, one of our "super powers" the ANSI/ASSE Z-10 OSHMS can help.

Peter A. Shelling, MS, CSP, Progressive Insurance, Mayfield Heights, OH

662  How to Use ISO 45001 to Get H&S Risk Management on Your Main Business Agenda (E)
Sponsored by Grainer and the Risk Management/Insurance Practice Specialty
Learn using real-life case studies how ISO 45001 and its related business excellence models/processes can generate benefits well beyond H&S for many organizations. Receive a plan for the implementation and roll-out of your ISO 45001 driven H&S and business improvement process.

John F. Stevens, RSP, CMIOHS, FCIPO, RiskGuy, Rushden, Buntingford, United Kingdom; Lawrence Bamber, RSP, CIOSH, FIRM, Risk Solutions International, Poynorton, Chesire, United Kingdom

663  Case Study: Driving Safety Culture with a Proven Near Miss/Safety Concern Program (I)
Sponsored by the Women in Safety Engineering (WISE) Common Interest Group and the Consultants and Public Sector Practice Specialties
There are many key factors to driving a culture of safety in any organization. Learn how the City of Fort Collins, Colorado dramatically improved their safety performance by implementing a near miss/safety concern program. There are plenty of takeaway ideas for everyone at this session.

Kelly A. Bernish, CSP, City of Fort Collins, Fort Collins, CO; Rachel Bunn, City of Fort Collins, Fort Collins, CO

664  5-Why: How This Simple Tool is Confused, Misapplied and Highly Underutilized (E)
5-Why is an important baseline that can improve the way management and front line personnel communicate. Most groups misunderstand how 5-Why is applied. Don’t overlook the benefits of this simple and highly underutilized tool to improve the way you prevent problems and reduce risk.

Mark Galley, ThinkReliability, Pearlstand, TX

665  Leveraging Generational Differences to Enhance Workplace Safety (A)
Sponsored by Chubb
Based on mainstream generational stereotypes, Baby Boomers and Millennials shouldn’t be able to coexist in a workplace, let alone excel in it. This presentation, from the perspective of a “Boomer” and a “Millennial,” will demonstrate how generational differences can actually be leveraged to advance the workplace and enhance employee safety.

Robert Jameson, Central Mine Services Inc., Danville, KY; Scott Ratliff, P.E., Central Mine Services Inc., Danville, KY

666  Optimizing Safety through Leading Indicators (I)
While much of safety performance is judged by lagging indicators, most SH&E professionals would agree that relying primarily on lagging metrics is not the best way to manage and lead. To achieve long-term success, emphasizing leading indicators and keeping a watchful eye on lagging results is a proven best practice.

David C. Uhl, ADI, Austin, TX

667  Harnessing the Power of Safety Data to Improve Compliance and Performance (E)
Better visibility into safety data can help safety professionals substantially improve compliance and performance using data that is readily available within existing systems. Attendees will learn how to capture and contextualize safety data to better understand risk and safety-system usage, reduce downtime, streamline compliance, and even make operations innately safer.

Steve W. Ludwig, Rockwell Automation, Mayfield Heights, OH

668  Personal Fall Arrest System: Achieving the Right Fit: A Human Factors View (I)
How to apply Human Factors disciplines to use of Personal Fall Arrest System in order to improve the interaction between users, their equipment and their workplace.

Shawn C. Smith, MA, M.Eng., CSP, U.S. Navy, Kaneohe, HI; Katie Miller, NAVAIR, Patuxent River, MD

669  Does Your Training Deliver What It Says It Will? (B)
People often believe that the educational concepts of validity, reliability, formative and summative assessment are mysterious entities that can only be understood by academics. This session will show that these principles are straightforward and can be used by health and safety practitioners to improve training and deeper understanding by the trainees.

Teresa A. Hawkins, CMIOHS, EurOISHM, NEMBOSH, Leicester, United Kingdom; Dee K. Arp, CMIOSH, EurOISHM, NEBOSH, Leicester, United Kingdom

670  High Impact Training: Using Life Events to Enhance Workplace Safety (A)
Sponsored by Chubb
This session will provide new insights for the use of current communication tools, such as social media and real life stories to engage employees when introducing and reinforcing safety training topics. Attendees will learn methods to create training that engages employees and makes safety relatable to everyday life.

Joseph Sanna Jr., MS, CSP, CPSI, The PMA Companies, Enola, PA; Joann H. Goshorn, MS, CSP, CH, The PMA Companies, Mechanicsburg, PA
4:30 PM - 5:30 PM PERIOD VII

671 Implementation of the New FDA Sanitary Transportation of Human and Animal Food (I)
Sponsored by the Food & Agribusiness Branch of the Manufacturing Practice Specialty and the Transportation Practice Specialty

The Sanitary Transportation of Human and Animal Food rule just might apply to you. Are you ready? Have you trained your drivers? Have you developed your procedures? No? Attend this session and we will help you achieve it, the clock is ticking!
Brian S. Hammer, MPA, Nationwide Insurance, Durant, IA

672 Key Issue Roundtable Workshop: Best Practices & Hurdles Implementing EHS-Related ISO Programs
Sponsored by the Environmental Practice Specialty

Developing and implementing ISO programs related to environmental, health, safety, security and/or sustainability (such as ISO 14001, OHSAS 18001/ISO 45001 and others) are not easy processes. Help ensure an easier road to certification in this timely workshop-style discussion! Attendees will share successes as well as hurdles encountered from implementing some type of OHSMS.

JOIN US IN THE MILE HIGH CITY

DENVER

Where 300 days of sunshine, a thriving cultural scene, diverse neighborhoods, and natural beauty combine for the world’s most spectacular playground.

TRAVEL WITH EASE!

The new the rail service, known as the A Line, whisks travelers to the heart of downtown. At a cost of $9 each way, travelers can use the A Line to get from the airport to Denver Union Station and vice versa courtesy of the Regional Transportation District (RTD).
Wednesday, June 21, 2017 | Game Time 6:40 p.m.

Price: $50 per person*

(Ages 3+ must have a ticket. Children 2 and under sitting on the lap of an adult do not need a ticket)

Enjoy a summer evening in Denver watching the Colorado Rockies play the Arizona Diamondbacks at Coors Field. Game time is 6:40 PM. Tickets are $50 per person, which includes a $25 baseball ticket to the game and $25 concession credit towards your food and drink. Transportation is on your own. You can jump on the FREE MallRide, which travels over a mile from one end of Denver’s bustling 16th Street Mall to the other, then it’s a short walk from there.

Every year since it opened in 1995, Coors has been a league leader in attendance. In 1999, Coors Field firmly founded itself as the most prolific offensive ballpark ever created. The Rockies and their opponents combined for 303 home runs, the most ever in a season at one venue.

Come Experience Coors Field with fellow ASSE attendees - Go Rockies!

*Note: Full refunds will be given until April 30. No refunds beginning May 1.
FAIL JAM STATIONS
We’ve all been there. The project you spent months on? The one everyone knew was going to change the world? Except sometimes things don’t always go as planned. Network with your colleagues and learn from their mistakes in this safe and non-judgmental environment. Remember, “epic fails” are just “epic wins” waiting to happen!

INSPIRATION STATIONS
Hear what your colleagues are doing to inspire their work, keep things fresh and look at new ways to manage safety.

INNOVATION STATIONS
Some of the ideas that come from the Safety 2017 Innovation Awards are pretty cool. Want to learn more about them? Want to see what inspired some of the participants? Well, you can, by visiting and chatting with some of the finalists from the Safety 2017 Innovation Awards.

CREATION STATIONS
Speaking of epic wins… What is something you’re working on that you need some help with? Got a spark of an idea? Well, why not “crowdsource” it to your colleagues at Safety 2017? Share your ideas on the giant whiteboards and see what it grows into by the time the conference ends.

RELAXATION STATIONS
Sometimes you just need a quiet spot to get away from it all. Come here to recharge your networking batteries and find your Safety 2017 Zen!

ROLE PLAY STATIONS
Immerse yourself into a safety adventure – a life-like situation that you’ll get to play through with your OSH colleagues while at Safety 2017. Get ready - more details are coming soon on this one!
LUNCHEON PRESENTATION*

12:00PM - 1:30PM
Vinh Giang
Strategy vs. Execution

Everything in business begins with an idea. From that idea, we formulate a strategy and depending on how well we execute the strategy, we’ll get some kind of result, hopefully success. In magic everything also begins with an idea. The magician then needs to create a strategy and depending on how well he/she executes the magic, some kind of result will be achieved, hopefully astonishment.

Though the two seemingly different worlds appear to be identical, there’s one primary difference. In the world of magic, flawless execution is critical. If the magician makes one mistake, just one, the magic is destroyed. The difference between amazement and failure is just one error.

CLOSING GENERAL SESSION

3:00PM - 4:00PM
Joseph Hallinan
Why We Make Mistakes

Why do otherwise intelligent people make obvious mistakes? Why are we so easily distracted? Why do we often miss what’s right in front of our eyes? Why do we make mistakes? And could we do a little better? Joe Hallinan sets out to explore the captivating science of human error—how we think, see, remember and forget. In a highly customized talk, full of anecdotes and relevant studies, you will hear tips you can use immediately.

KEY LEVEL DESCRIPTIONS

(B) Two to five years of experience is identified as basic
(I) Six to ten years of experience is identified as intermediate
(A) Ten years plus of experience is identified as advanced
(E) Executive level sessions

THURSDAY SCHEDULE OF EVENTS

7:00AM - 2:00PM
Safety 2017 Conference Registration
Post Conference Seminars Registration

7:00AM - 3:30PM
Career Center

7:00AM - 4:30PM
ASSE Marketplace

7:45AM - 9:00AM
Concurrent Educational Sessions
(Period VIII)

9:15AM - 10:30AM
Executive Summit
Sponsored by Grainger

11:00AM - 12:00PM
Concurrent Educational Sessions
(Period IX)

12:00PM - 1:30PM
Conference Luncheon, BCSP Award of Excellence Ceremony, & Luncheon Presentation* - Vinh Giang

1:45PM - 2:45PM
Concurrent Educational Sessions (Period X)

2:00PM - 6:00PM
Post Conference Seminar Half Day Math Review*

3:00PM - 4:00PM
Closing General Session - Joseph Hallinan

*Additional fee and/or pre-registration required.
<table>
<thead>
<tr>
<th>Track</th>
<th>7:45am – 9:00am (VIII)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Skills &amp; Personal Development</td>
<td>701 Conflict Management &amp; Resolution for EHS Professionals 702 Vision 20/20: Preventing Opportunity Blindness</td>
</tr>
<tr>
<td>Construction / Mining</td>
<td>703 Dropped Object Prevention: From Afterthought to the Forefront 704 The Buried Truth Uncovered</td>
</tr>
<tr>
<td>Emergency Management / Security</td>
<td>705 Emergency Response Plans: How Good is Your Plan Under Fire</td>
</tr>
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<td>Environment / Hazardous Material</td>
<td>706 Trials and Tribulations of an Environmental Audit</td>
</tr>
<tr>
<td>Ergonomics</td>
<td>702 Vision 20/20: Preventing Opportunity Blindness 712 Preparing Employees for Interviews by Regulatory Agency Representatives</td>
</tr>
<tr>
<td>Executive</td>
<td>705 Emergency Response Plans: How Good is Your Plan Under Fire</td>
</tr>
<tr>
<td>Fire Protection</td>
<td>707 Workplace Wellbeing: Bridging Safety and Health</td>
</tr>
<tr>
<td>Human Behavior</td>
<td>709 Pronouncing the ‘H’ in HSE</td>
</tr>
<tr>
<td>Industrial Hygiene / Health</td>
<td>710-a OUCH! Articulating the Real Value of the OSH Profession 710-b Investigating Success</td>
</tr>
<tr>
<td>International</td>
<td>711 Serious Injury and Fatality Prevention in Oil and Gas Exploration</td>
</tr>
<tr>
<td>Oil &amp; Gas</td>
<td>712 Preparing Employees for Interviews by Regulatory Agency Representatives 713 The New Face of HazCom - SDS &amp; Label Compliance in the Post-GHS Deadline Era</td>
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<tr>
<td>Regulatory Issues / Government / Public Sector</td>
<td>714 JHA Projects Within Complex Arenas: Risk Assessment, Implementation, Commitment</td>
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<tr>
<td>Risk Assessment</td>
<td>715 Professional Liability Claims Best Practices</td>
</tr>
<tr>
<td>Risk Management / Insurance</td>
<td>716 Goal Setting for Continuous Safety Improvement 717 Chicken, Egg, Cheeg? A Holistic, Integrated Approach To Breakthrough Results 718 Leader Development and Culture Change in a Depleted Environment</td>
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<tr>
<td>Technical / Engineering / Standards</td>
<td>721 Does Participatory Safety Education and Training Increase Learning?</td>
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<tr>
<td>Training / Education</td>
<td>722 Fundamentals of SH&amp;E: Basic Construction</td>
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<tr>
<td>Transportation</td>
<td>723 Strategy, Persuasion and Influence - How to Be Seen and Heard as a Leader</td>
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<td>Fundamentals</td>
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<td>Key Issue Roundtable Workshops</td>
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JUNE 22, 2017
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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| 11:00am – 12:00pm (IX) | 725 No Weak Links in Your Supply Chain  
726 It's All in the Presentation - Techniques to Enhance Your Presentation Skills  
727 Culture Always Trumps Your Risk System - So How Do You Make It Work for You?  
728 Construction Safety Forum |
|              | 730 Understanding Fixed Fire Suppression Systems and Fire Extinguishers |
|              | 731 You Can't Fix Stupid - Stop the Blame Game and Understand Human Behavior |
|              | 732 How to Choose the RIGHT Hearing Protection for You and Your Employees |
|              | 733 Contractor's HSE Performance: Evaluation, Benchmarking & Improvement |
|              | 734 SS + Safety Finds a New Home at an Old Refinery |
|              | 735 OSHA Safety and Health Program Guidelines |
|              | 736 ASSE Government Affairs Committee Update |
|              | 737 Risk Communication: A Critical Component in Achieving ISO 45001 Objectives |
|              | 738 Collaborating Between Safety and Risk Management to Improve Safety Program Results |
| 1:45pm – 2:45pm (X) | 750 Accountability, Feedback and Coaching: Getting It Right the First Time!  
751 Breaking Through to Safety Excellence |
|              | 752 Safety & Construction Cost Estimating: How to Increase Your ROI to Your Company |
|              | 753 Rounding Up The Last Cowboys: Positive Reinforcement for Construction Workers |
|              | 754 Violence at Work - Shooting Your Mouth Of... or Other Things? |
|              | 755 Safety on College Campuses - Significant Challenges and Opportunities |
|              | 756 A Sports Medicine Approach to Ergonomics |
|              | 757 Mindfulness and Its Impact on Health and Safety |
|              | 758 Hardwired Inhibitions - Hidden Forces that Keep Us from Speaking Up |
|              | 770 Insights from Leadership Development Training for Frontline Supervisors |
|              | 759 A Guide to Trend Analysis |
|              | 760 Concerns, Risk Assessment and Solutions of VOCs Exposure in Upstream Oilfield |
|              | 761 Navigating the Changing Currents of OSHA and Employment Law |
|              | 762 Developing Leading Indicators for a FSI Program Using Risk Assessment Data |
|              | 763 Lopez Foods’ Return-To-Work Program |
|              | 764 What Does A Total Safety Culture Look Like in 2017? |
|              | 765 A Systems Approach to Occupational Safety |
|              | 766 Five Buckets of Safety: Essential Considerations for the New Safety Manager |
|              | 767 Purple Project: The Innovative Use of Structural Engineering in a Safety Project |
|              | 768 Boiler & Pressure Vessel Safety, Hazards in the Workplace |
|              | 769 Design for Safety |
|              | 770 Insights from Leadership Development Training for Frontline Supervisors |
|              | 771 Fundamentals of SH&E: Basic Safety Management |
|              | 772 Employer Best Practices When Recreational Marijuana Use is Legal |
701  Conflict Management & Resolution for EHS Professionals (E)
Sponsored by the Management Practice Specialty
Safety professionals often manage or resolve conflicts. These conflicts may be between workers, management, trainees, etc. Traditional “positional” conflict management often fails to satisfy either party. We will look at what works, what doesn’t, and why more progressive techniques work best. Case examples will be discussed and attendee cases are welcome.
Jonathan T. Klane, M.Ed., CSP, CIH, Arizona State University (ASU), Tempe, AZ

702  Vision 20/20: Preventing Opportunity Blindness (I)
Sponsored by the Consultants Practice Specialty
Explore new ways of tackling tough challenges and converting them into growth opportunities! This session will mentor and provide the tools necessary to master your own destiny. It will invigorate you to view challenges in a new light and in a way that encourages collaboration across the organization.
J.A. Rodriguez Jr., CSP, SGE, Raytheon Company, Dulles, VA

703  Dropped Object Prevention: From Afterthought to the Forefront (I)
Sponsored by the Women in Safety Engineering (WISE) and Young Professionals in OSH Common Interest Groups and the Construction and Oil & Gas Practice Specialties
Preventing PEOPLE from falling is important, while preventing injury/death due to falling/dropped OBJECTS is often an afterthought. Dropped objects caused 243 deaths in 2014, 5% of fatalities. No industry is immune! This session will arm you with the resources to immediately expand your at-heights safety plan.
Abby Ferri, CSP, The Ferri Group LLC, Minneapolis, MN

704  The Buried Truth Uncovered (I)
Eric Giguere, a former laborer, shares his story of how he was buried alive while working in a trench. Eric explains the events before his accident, and the effect it has had on him and his family. A series of extraordinary events left him with an unbelievable story to tell.
Eric Giguere, Safety Awareness Solutions, Geneva, NY

705  Emergency Response Plans: How Good is Your Plan Under Fire (I)
Sponsored by Grainger
You have your emergency response plan, but are you ready to implement it? This presentation will provide you with the tools to implement your plan after an incident. It will discuss best practices for scene preservation, witness interviews, document requests, preparing internal reports, and when to seek outside help.
Ryan S. Burr, CSP, Delta Airlines, Powder Springs, GA; Kristin R. White, J.D., Jackson Kelly PLLC, Denver, CO

706  Trials and Tribulations of an Environmental Audit (I)
Sponsored by the Women in Safety Engineering (WISE) Common Interest Group and the Environmental Practice Specialty
Environmental auditing can really distract from the focus in preparation. Life experiences during different audits lead one to understand what is important. Developing a strategy is key to a successful audit. This presentation will prepare experienced and inexperienced EHS professionals to get through the event.
Mary L. Prisby, CSP, CHMM, BASF, Kellogg, IA

707  Workplace Wellbeing: Bridging Safety and Health (B)
Worker wellbeing is not just an emerging topic in the EHS field, but one that is gaining momentum. Learn how Campbell Institute organizations have started implementing wellbeing strategies, and hear about the successes and challenges they have faced in integrating wellbeing with occupational safety and health management systems.
J.A. Rodriguez Jr., CSP, SGE, Raytheon Company, Dulles, VA

708  The Behavioral Safety System: Understanding Commitment, Courage and Leadership (I)
Sponsored by the Consultants Practice Specialty
This session is the most rich study of the behavioral side of safety. Anyone wanting to achieve full commitment of their employees, the most personalized management of risk by everyone every day, a culture where courage to speak up is the norm, and how to effectively lead should attend this session.
Bob Vezzie, MBA, People Powered Leadership, Sarasota, FL

709  Pronouncing the ‘H’ in HSE (E)
OSHA recognizes Health to be a significant part of a Safety program, and requires Health programs to monitor and prevent health issues. Attendees will obtain an overview of how Health can and should be a foundational part of a Safety program.
Bruce D. Packard, M.D., MPH, Axiom Medical, The Woodlands, TX

710  International Perspectives for Safety Professionals - 2 Part Session:
710-a  OUCH! Articulating the Real Value of the OSH Profession (I)
Being in a position to articulate the value that OHS practitioners add to their organization is increasingly important. Take the OUCH out of OHS and start to build conversations around unintentional injury… because accidents don’t need to happen!
Karen E. McDonnell, Ph.D., CFIOHS, FCIPD, RoSPA, Edinburgh, United Kingdom

710-b  Investigating Success (A)
Traditionally, extensive investigations only occur when very serious negative safety events occur. What if we proactively investigated success on our projects when there was no incident or near miss? How might that lead to better safety outcomes and prevent the next disaster?
Michael Tooma, Clyde & Company, Sydney, Australia; John Green, Ph.D., Laing O’Rouke’s-European Hub, Dartford, Kent, United Kingdom

711  Serious Injury and Fatality Prevention in Oil and Gas Exploration (I)
A review of how the geophysical industry has shared serious injury and fatality incident information over time across the industry, and from this developed an industry-wide fatality database, and the impact this has had on improving safety performance.
Ian M. Threadgold, CSP, ASR, Threadgold Safety Management, Katy, TX; J. John Barrett, CSP, BHP Billiton Petroleum, Houston, TX

712  Preparing Employees for Interviews by Regulatory Agency Representatives (A)
This session will focus on employees, management and employer rights and responsibilities when involved in interviews with regulatory and government agencies. Such interviews can be very trying and have unintended consequences when mistakes are made. Suggested policies and procedures will be provided for preparing employees for interviews with regulatory agencies.
Steven P. Pereira, CSP, Professional Safety Services, Denham Springs, LA

713  The New Face of HazCom - SDS & Label Compliance in the Post-GHS Deadline Era (I)
GHS is in full effect for the millions of companies covered by OSHA’s HazCom Standard, but what exactly does it mean for SDS and Label compliance? This session clarifies OSHA’s expectations, reviews recent regulatory activity surrounding the standard, and provides easy to follow best practices for getting and staying compliant.
Glenn Trout, VelocityEHS, Chicago, IL; Chuck Haling, VelocityEHS, Chicago, IL

714  JHA Projects Within Complex Arenas: Risk Assessment, Implementation, Commitment (I)
A Job Hazard Analysis (JHA) project has broad applicability within a complex environment for varying industries. This session will address development, implementation, desired results, pitfalls to avoid, and lessons learned over several projects. Achieving management buy-in and a strong JHA program as a component toward a positive EHS culture will be discussed.
Ashley C. Kunz, CSP, Micron Technologies, Inc., Boise, ID; Mollie A. Anderson, MISM, BSI EHS Services & Solutions, Hillsboro, OR

715  Professional Liability Claims Best Practices (I)
In this presentation you will learn what to expect when you receive the bad news of a demand or are served a lawsuit on one of your projects.
Edward Spencer, Norman-Spencer International, Lombard, IL; Gretchen McAlinden, Norman-Spencer International, Lombard, IL; Kevin Oettle, Commercial Insurance Partners, Lombard, IL

716  Goal Setting for Continuous Safety Improvement (I)
Sponsored by the Risk Management/Insurance Practice Specialty
While it’s easy to understand WHY organizations want to prevent injuries, it’s much more challenging to communicate HOW that will be achieved. This presentation builds upon research into human behavior and provides a simplified strategy for establishing goals focusing on safety management systems and processes, and ultimately drives safety improvement.
Michael R. Fackler, CSP, CHST, ARM, Eastern Alliance Insurance, Shelbyville, KY

717  Chicken, Egg, Cheeg? A Holistic, Integrated Approach To Breakthrough Results (I)
Sponsored by the Health & Wellness Branch of the Healthcare Practice Specialty
Confused by academic terms and claims in choosing an improvement process and methods to update your SH&E culture and prevent errors, injuries and health/environmental incidents? Learn ‘what works’ to achieve breakthroughs in performance using a holistic, integrated approach to change your culture, and unsafe attitudes and behaviors to prevent incidents.
Michael D. Topf, MA, Topf Initiatives, Wayne, PA
718 Leader Development and Culture Change in a Depleted Environment (A)
Sponsored by the Young Professionals in OSH Common Interest Group and the Academics Practice Specialty
How do small work units create leaders when upper management doesn't seem to care? Our practical, research-based model provides a roadmap for motivated leaders to create a supportive, values-based ecosystem even in “depleted” conditions.
Gary L. Winn, Ph.D., CHST, West Virginia University, Morgantown, WV; Ava C. Dykes, Ph.D., MSC, National Institute for Occupational Safety and Health (NIOSH), Morgantown, WV

719 ANSI/ASSE Z359 Fall Protection and Restraint Forum (I)
Sponsored by the Council on Practices and Standards, the Standards Development Committee and the Engineering Practice Specialty
The ANSI/ASSE Z359 Fall Protection Code provides an overall blueprint to help prevent injuries and illnesses that result when workers fall from heights. This session will provide tangible techniques and approaches to move your own fall protection and restraint programs forward.

720 Process Safety Management Best Practice Safe Work Permit Management System (I)
Process Safety Management and other OSHA programs require various safe work permits when safety critical activities are performed, such as confined space, hot work and line break. This session will share safe work permit best practices, and explain the importance and key characteristics of a safe work permit management system.
Jonathan Zimmerman, CSP, CHMM, Kellogg's, Cincinnati, OH; Bryan Hoywood, MS, Safeteng.net, Milford, OH

721 Does Participatory Safety Education and Training Increase Learning? (I)
A study of industrial engineering students in a required safety course found positive benefits associated with participatory course activities. Students that joined safety related societies, participated more both in and out of class, shared safety related content with the class and earned significantly higher grades.
Tom Devall, MS, Auburn University - Industrial and Systems Engineering Department, Auburn, AL; Richard Sesek, Ph.D., CPE, Auburn University - Industrial and Systems Engineering Department, Auburn, AL; Robert Thomas, Ph.D., P.E., CPE, Auburn University - Industrial and Systems Engineering Department, Auburn, AL

722 Fundamentals of SH&E: Basic Construction (B)
This session will address essential construction safety principles and practices that are useful to the beginning construction safety professional as well as individuals in other industries faced with a construction project in their organization.
Carl W. Heinlein, CSP, CHST, STS-C, ARM, CHMM, American Contractors Insurance Group, Cranberry Township, PA

723 Key Issue Roundtable Workshop: Strategy, Persuasion and Influence - How to Be Seen and Heard as a Leader
Sponsored by the Women in Safety Engineering (WISE) Common Interest Group
Leadership in the OSH field is key to ensuring Safety success. Attendees will participate in identifying and developing ideas around strategy, persuasion and influence that everyone can take away with them and employ both at work, and in their personal life too!

724 Using Lean Thinking to Reduce Manual Material Handling Injuries (B)
Sponsored by the Ergonomics and Healthcare Practice Specialties
Lean problem solving can be an effective adjunct to traditional ergonomic assessment tools providing a proven, structured approach to understanding the processes and practices that create risk and cause injuries. Learn how Lean planning, thinking and tools can be applied to reduce ergonomic injuries resulting from manual material handling tasks.
Jessica Ellison, MS, CSP, CPE, BSI EHS Services and Solutions, San Jose, CA

725 No Weak Links in Your Supply Chain (I)
Sponsored by the Women in Safety Engineering (WISE) Common Interest Group
All manufacturing sectors are seeing increased decentralization of the product development, manufacturing and distribution process. This session will holistically examine exposures and risk management dynamics related to domestic and foreign supply chains. Case examples will emphasize opportunities for safety professionals to enhance supply chain risk management within their organizations.
Ann M. Minzner Conley, CSP, ASP, Chubb Ltd., Whitehouse Station, NJ; Lesli Johnson, CSP, ARM, Chubb Ltd., Portland, OR

726 It's All in the Presentation - Techniques to Enhance Your Presentation Skills (I)
This session will discuss ways to enhance your presentation skills - from understanding your audience, and crafting the message, to delivering an engaging presentation that sticks. You will learn how to use body language to your advantage, best practices with presentation design, and concrete methods to improve your public speaking.
Camille F. Oakes, M.Eng., CSP, MSC Industrial Supply Company, Atlanta, GA; Patrick J. Karol, CSP, ARM, ECC Environmental, Romansville, PA

727 Culture Always Trumps Your Risk System - So How Do You Make It Work for You? (I)
Sponsored by the Mining Practice Specialty
Culture always trumps your system. Yet you can effectively and practically measure it, and get to work as you improve your risk system. Leadership creates the culture, which creates performance. Get them to work with your risk system.
Ewan Alexander, RISKmap International, Vancouver, British Columbia, Canada

728 Construction Safety Forum (I)
Sponsored by the Safety Professional and the Latino Workforce (SPALW) Common Interest Group and the Construction Practice Specialty
The Construction Practice Specialty has organized this session to provide a platform to discuss construction safety concerns, issues and opportunities in construction safety and health. A panel of industry experts will provide insight and knowledge based on hands-on experience.
Rick Zellen, CSP, STS-C, ARM, Zurich Services Corporation, Greenwood Village, CO

729 Understanding Fixed Fire Suppression Systems and Fire Extinguishers (B)
Fire is a common hazard throughout a majority of workplaces. Although safety professionals understand the importance of fire suppression systems, many may not understand exactly how these systems work. This session will identify the operation and maintenance of common fixed fire suppression systems and portable fire extinguishers.
James R. Lange, MS, CSP, ASP, Fox Valley Technical College, Appleton, WI

730 You Can’t Fix Stupid - Stop the Blame Game and Understand Human Behavior (I)
Want to turn the lights off on your safety culture? Then blame the worker. Call out the fact that injuries are their fault. . . and lose the chance to learn. Let’s learn from Behavioral Science how to find the true root cause of human behaviors.
Timothy D. Ludwig, Ph.D., Safety-Doc.com / Appalachian State University, Blowing Rock, NC

731 How to Choose the RIGHT Hearing Protection for You and Your Employees (B)
Learn about occupational noise-induced hearing loss, and how you can save your hearing health by choosing the right hearing protection for your workplace needs.
Ricardo Allamelelo, Cotral Lab, Miami Lakes, FL

732 Contractor’s HSE Performance: Evaluation, Benchmarking & Improvement (A)
Sponsored by the Council on Professional Affairs, the Council on Practices and Standards and the International and Management Practice Specialties
This session will show a practical approach to assess/evaluate HSE performance of contractors by reviewing their compliance against procedures/standards. The performance gaps and positive observations identified through this analysis were used as a basis for the analysis and resultant recommendations to improve an organization’s HSE performance.
Bala Siva Srikanth Advizi, CSP, CMOSH, Kuwait Oil Company, Ahmadi, Kuwait; Ajay Kumar Mohanty, Kuwait Oil Company, Ahmadi, Kuwait; Ahmed Qabazard, Kuwait Oil Company, Ahmadi, Kuwait

733 5S + Safety Finds a New Home at an Old Refinery (I)
This session will overview how 5S methodology benefited employees at an old refinery in San Antonio, Texas by organizing facilities for efficiency and effectiveness. The decision-making process stimulated standardization, which built employee understanding of how to work efficiently. As a result, safety culture was improved by eliminating unsafe conditions and behaviors.
Damon Shodrock, MS, CSP, Calumet San Antonio Refinery, Brooks City-Base, TX
735 OSHA Safety and Health Program Guidelines (I)
This presentation discusses OSHA’s fully updated and redesigned version of its Safety and Health Program Guidelines. Compliance with OSHA regulations and standards is not enough to ensure that workers are protected from safety and health hazards. Safety and health programs are a way for responsible business owners to actively manage safety and health in the workplace. Learn the three core elements of all effective safety and health programs. Start your journey to a safer, healthier workplace.

William Zettler, U.S. Department of Labor - OSHA, Washington, DC

736 ASSE Government Affairs Committee Update (B, I, A, E)
Sponsored by the ASSE Government Affairs Committee
Learn how government is affecting safety and health. The Society’s Government Affairs Committee will share the latest from Capitol Hill, safety and health regulatory agencies and the states that could affect the way you practice safety. This session is also an opportunity to share your views on ASSE’s government affairs efforts.

C. Gary Lopez, CSP, A Gallagher Risk Management Services, Weston, FL; Brenda Zylstra, American Society of Safety Engineers (ASSE), Park Ridge, IL

737 Risk Communication: A Critical Component in Achieving ISO 45001 Objectives (I)
Sponsored by the Standards Development Committee and the Risk Management/Insurance Practice Specialty
Companies adopting the new ISO 45001 Standard for OH&S Management Systems will need to accurately communicate residual risks to workers. This session will explore how safety professionals can use recent advances in U.S. and International safety sign system standards to communicate and reduce risk in line with ISO 45001 objectives.

Geoffrey Peckham, Clarion Safety Systems, Milford, PA

738 Collaborating Between Safety and Risk Management to Improve Safety Program Results (I)
Sponsored by the Standards Development Committee and the Risk Management/Insurance Practice Specialty
Safety and risk management are often in silos and while the two have similar goals they have different ways of measuring progress and success. The session will review ways to collaborate, improve implementation of programs and to work hand in hand to solve organizational problems.

Tom E. Heebner, MBA, CSP, ARM, HUB International, Chicago, IL; Guy Gioino, CHMM, ARM, HUB International, Fort Lee, NJ

739 To See is to Understand - Exploring a 3 Dimensional Safety Model (I)
An information packed session presenting safety challenges associated with a transient workforce in West Coast, Stevedore and Longshore operations. Explore an innovative three-dimensional safety model relating traditional safety concepts with safety culture. The presentation will examine building blocks of the model, the structure they support, and the culture they affect.

Kristina Bowden, West Coast Resource Services, Inc., Los Alamitos, CA

740 A Data-Driven Approach to Identifying Physical Fatigue (A)
This session will address the measurement, monitoring, and modeling of physical fatigue through wearable sensors based on a data-driven approach that incorporates big data analytics and safety engineering. The session will show in real time how to capture a worker’s safety performance, and translate this data to knowledge about his/her fatigue levels.

Lora A. Cauvota, Ph.D., AEP, University at Buffalo, Buffalo, NY; Fadel Megahed, Ph.D., Miami University, Auburn, AL

741 UCOR: Creating a Strong Safety Culture (B)
A strong safety culture is the foundation for worker safety and company profitability. UCOR’s workforce is recognized by the DOE with the VPP Star. This presentation presents UCOR’s safety culture in the context of leadership, worker/employee engagement, and organizational learning, and provides tools to create a robust safety culture.

Libby J. Gilley, STS-C, URU | CHM Oak Ridge LLC | UCOR, Oak Ridge, TN

742 Giving Your Safety Program a Brand Identity (E)
Sponsored by the Management Practice Specialty
Giving your safety program a brand identity has proven a successful strategy for a number of organizations to enhance employee engagement and get a true step-change in safety performance and results. Learn how to do it, and how it has worked at other organizations.

Terry L. Mathis, ProAct Safety, Inc., The Woodlands, TX

743 Prevention through Planning: Work at Height (I)
While fatal fall prevention has focused on fall arrest, proper facility/process design and task planning can prevent falls from ever occurring. Using appropriate criteria for selecting the best means for elevating workers can reduce risk and minimize operating costs. PID principles to accommodate safe elevation will be presented.

Jackson J. Dalton, MPH, CSP, CHST, 3M Company, St. Paul, MN; Paul S. Adams, Ph.D., P.E., CSP, 3M Company, St. Paul, MN

744 NFPA 350 Guide for Safe Confined Space Entry and Work (B)
The NFPA 350 Guide for Safe Confined Space Entry and Work simplifies confined space terminology, fills in gaps, and provides supplemental information on how to comply with existing confined space regulations and standards. This presentation will provide an overview of the document, and how it facilitates confined space safety.

Robert Ruszkiewicz, CSP, CIH, Certified Safety & Health, Wilbraham, MA; Nancy Perez, CIH, NFPA, Quincy, MA

745 Occupational Dog Bite Prevention (I)
Bulli Ray specializes in Occupational Dog Bite Prevention throughout the USA and Canada. Delivering high quality, specialized training takes participants through all aspects of dog bite safety training. From the initial encounter with the dog or pack to defensive action in the event that man’s best friend decides to attack.

Mitzi Robinson, Bulli Ray - Occupational Dog Bite Prevention, Lowell, FL; Cynthia Ballenger, Bulli Ray - Occupational Dog Bite Prevention, Lowell, FL

746 Crash Frequency Benchmarking and Behavioral Approaches to Fleet Safety (I)
This presentation will include benchmarking crash frequency based on industry, state of garaging and vehicle type. Incorporating behavioral approaches into fleet safety programs to identify and address motivations for behaviors that make crashes more likely will also be covered.

Peter R. Van Dyne, CSP, CFPS, Liberty Mutual Insurance, New Berlin, WI; Don Talbert, CSP, Liberty Mutual Insurance, Lawrenceville, GA

747 Key Issue Roundtable Workshop: Effective Risk Assessment Techniques
Sponsored by the Risk Management/Insurance Practice Specialty
Effective risk assessment techniques are becoming essential for today’s ever growing and evolving safety professional. This session will discuss the pros and cons of effective risk assessment techniques in both small and large group settings. Risk assessment workshops and facilitation best practices will be discussed and shared.

1:45 PM-2:45 PM PERIOD X

750 Accountability, Feedback and Coaching... Getting It Right the First Time! (A)
Sponsored by the Risk Management/Insurance Practice Specialty
There are no second chances with consequence management. Balancing accountability, discipline, feedback and coaching is a challenge that when done correctly can engage employees and enhance the safety culture. This session will define these key concepts and provide a strategy that will ensure your leaders get it right every time.

Christopher A. Goulart, CSP, ARM, Aon, Aurora, CO

751 Breaking Through to Safety Excellence! (I)
Sponsored by the Human Resources Branch of the Management Practice Specialty and the Management Practice Specialty
In my many years as a plant manager of large chemical plants and now a consultant, I shifted my paradigm to seeing safety as a complex problem and everything changed for the better. Proven, complex ideas, powerful stories, tools and specific guidance based on hands-on experience will be shared.

Richard N. Knowles, Ph.D., LCS, Richard N Knowles and Associates, Inc., Saint Petersburg, FL

752 Safety & Construction Cost Estimating: How to Increase Your ROI to Your Company (A)
Sponsored by the Construction Practice Specialty
Increase your professional safety impact on your construction company. Learn how to have a positive impact on the bidding process. Use cost estimating to identify new ways to get your company to willingly increase the safety budget and bolster your existing program without complaint.

Laura A. Casey, MSc, CSP, CHST, SafeCon Solutions, LLC, Beacon Falls, CT; Rosemarie J. Ellis, EIT, Hazen & Sawyer, Stamford, CT

753 Rounding Up The Last Cowboys: Positive Reinforcement for Construction Workers (I)
Attendees will learn key “best practices” in using positive reinforcement in the construction industry. Concrete examples of how construction companies have changed their company culture to emphasize safe work behaviors, and how that drives new business will be presented.

David M. Sims, The Bill Sims Company, Irmo, SC
754 Violence at Work - Shooting Your Mouth Off... or Other Things? (I)
This session will cover the most common sources of violence in the workplace, and the policies and resources you may need to protect your company. Bullying, intimidation and other aggressive behaviors that disrupt workplaces and reduce productivity, and the topic in relation to Safety 101 application will be covered.
Melissa L. Black, MS, CSP, CIH, MrR3, LLC & Columbia Southern University, Suwanee, GA

755 Safety on College Campuses - Significant Challenges and Opportunities (I)
Sponsored by the Women in Safety Engineering (WISE) Common Interest Group
College campuses provide great opportunities for research and discovery. Creating and sustaining a culture of safety should provide our workforce with safe workers, as well as new products and discoveries. There are many challenges, as well as opportunities. This session will present information about safety culture and lessons learned.
Carol B. Schmeidler, MS, CSP, University at Buffalo, Buffalo, NY

756 A Sports Medicine Approach to Ergonomics (B)
This presentation will educate participants on the importance of a sports medicine approach to ergonomics. Rather than implanting new tools, this concept coaches employees on proper stance, optimal joint positions, work zones and varying positions to improve the overall culture and mindset of ergonomics in the workplace.
Tony Kaczkowski, CEEES, LAT/ARC, InSite Health, LLC, Pewaukee, WI

757 Mindfulness and Its Impact on Health and Safety (I)
Learn how Mindfulness was used to motivate and educate employees on the principles of worker readiness to support sustained achievement of an injury free work performance.
Kristina M. Corbett, Wellness Coaches USA, Blue Bell, PA

758 Hardwired Inhibitions - Hidden Forces that Keep Us from Speaking Up (A)
There are a surprising number of forces that inhibit people when they should speak up to stop something that they believe is unsafe. This presentation gives an overview of the more significant psychological and social factors that suppress safety interventions, and provides first steps for overcoming these inhibiting forces.
Phillip Raglin, MSc, The RAD Group, Conroe, TX

759 A Guide to Trend Analysis (I)
All organizations track mishaps, but often lack a framework to consistently transform data into information for action. This presentation will provide a step by step process for trend analysis and then illustrate the process with real-life examples, which provide targets to attack with countermeasures.
Bruce R. Burnham, CSP, AF Safety Center/SEGR, Kirtland AFB, NM

760 Concerns, Risk Assessment and Solutions of VOCs Exposure in Upstream Oilfield (I)
This session focuses on modern perspectives of light molecular weight VOCs exposure among upstream oilfield workers. Participants will learn the mechanisms of exposure and toxicity, quantification methods of long- and short-term exposure risks using Helium Diffusion Samplers and 4-gas monitors, and practical application techniques to controlling the hazards.
Evgeny Andronov, CSP, CIH, AEP, Whiting Oil and Gas, Denver, CO

761 Navigating the Changing Currents of OSHA and Employment Law (B)
Two seasoned safety professionals turned attorneys will explain what the whirlwind of OSHA changes and key employment law developments mean under the new Administration. Through the use of polling technology and hypotheticals, participants will be equipped with strategies to spot legal land mines and strategically minimize risk in their organizations.
 Barry S. Spurlock, Esq., CSP, Eastern Kentucky Univ./Spurlock Law, PLLC, Richmond, KY; Todd B. Logsdon, Esq., Fisher & Phillips, LLP, Louisville, KY

762 Developing Leading Indicators for a FSI Program Using Risk Assessment Data (I)
An innovative process for managing hazards with higher potential to result in fatalities or serious injuries (FSI) is significantly reducing risk in a multinational company. Data collected from over 50,000 risk assessments has provided the basis to develop leading indicators of both performance and quality of risk reduction programs.
Richard D. Hilton, CSP, JIM, St. Paul, MN

763 Lopez Foods’ Return-To-Work Program (I)
Effective return-to-work programs can help reduce a company’s workers’ compensation costs, improve employee morale, and compel employees to participate in an active recovery. The key to a good return-to-work program is developing one before you need it!
Madonna A. Kenne, Lopez Foods, Inc., Oklahoma City, OK

764 What Does A Total Safety Culture Look Like in 2017? (B)
In 2017, workers are looking to technology for solutions. We’re at a critical point in time, where workers can actively prevent incidents by adopting technology to help them make safer workplaces. The challenge is how we can get technology and people working seamlessly together to create a safety culture.
Luke Aneur, SafetyCulture, San Francisco, CA

765 A Systems Approach to Occupational Safety (E)
Many organizations seek to achieve safe working environments, striving to realize the balance between employee safety, operational functionality, and financial stability. Many organizations are successful, while others flounder using the same safety programs. Why does this happen? This session will explore this question in the context of organizational systems.
Mark Hargett, CHST, The Hartford, Brighton, CO; Paul Roberts, MS, CSHM, Trivela Safety, Brighton, CO

766 Five Buckets of Safety: Essential Considerations for the New Safety Manager (B)
Sponsored by the Women in Safety Engineering (WISE) Common Interest Group and the Consultants Practice Specialty
As a new safety manager, taking charge of your company’s safety program can be daunting. This session addresses how to take advantage of the resources around you and how all safety professionals can benefit from planning for safety, hazard identification and control, training, communication, and ensuring effective safety activities.
Valerie A. Stokes, MA, COSS, Zenith Insurance, San Diego, CA

767 Purple Project: The Innovative Use of Structural Engineering in a Safety Project (A)
As part of the ongoing effort to improve safety performance, it is likely that practitioners will continue to encounter increasingly complex problems. The traditional approaches may “hit a wall”; these sophisticated problems may require innovative approaches such as the one in this case study.
Daniel Agronante, P.E., O’Brien & Gere, Atlanta, GA

768 Boiler & Pressure Vessel Safety, Hazards in the Workplace (I)
This session will discuss the hazards of stationary equipment such as boilers and pressure vessels that can be easily identified through a plant walkthrough that are often missed by safety professionals. Learning how to identify common defects can reduce the hazards at your facilities.
Craig A. Biel, ARM, Chubb Insurance, LaPorte, IN

769 Design for Safety (A)
Design for Safety is an initiative that is slowly being driven by industry, and was at one time adopted as an initiative by both OSHA and NIOSH. This presentation will explore the concepts behind and the history of this idea, its current uses and practices, and challenges to implementation.
Jason P. Edic, CSP, LEED AP, Lee Kennedy Co., Inc., Quincy, MA; Gary Cunningham, CSP, Suffolk Construction Company, Boston, MA

770 Insights from Leadership Development Training for Frontline Supervisors (I)
Details on the development, delivery, and evaluation of a leadership development class for frontline supervisors are offered, along with reflections on successes and learning opportunities realized after training 400+ supervisors. Evaluation data will be presented and discussed in conjunction with recommendations for future leadership development in the mining industry.
Lori Guasta, Ph.D., Safety Solutions International, Centennial, CO; Elaine Thomas, MU, MBA, CSM/Prima Consulting Services, Chattanooga, WA

771 Fundamentals of SH&E: Basic Safety Management (B)
Many safety professionals are responsible for managing manpower, materials and financial resources in their organizations in order to optimize them for safety and health. This session will provide an overview of management principles as they apply to the safety, health and environmental professional.
Joel N. Tietjens, CSP, CSHM, T-Jens & T-Jens, Inc., Spring, TX
Key Issue Roundtable Workshop: Employer Best Practices When Recreational Marijuana Use is Legal
Sponsored by the Military Branch of the Public Sector Practice Specialty

Recreational marijuana use is legal in the state of Colorado - one of several states where recreational or medical use is now allowed. Even if your state isn’t among them today, there’s a good chance it will be tomorrow. As an employer, what’s your plan to address this? Attendees will share both proactive and reactive employer approaches to working with employees who are living in states where recreational use is legal. A list of practices that can be shared with other OSH professionals facing this same challenge will be developed.

Let your safety knowledge shine in a Key Issue Roundtable Workshop! Do you have a lesson learned you want to share? Are you looking to meet others with similar interests? Then this year’s Key Issue Roundtable Workshops are for you! They’ll be hosted by the ASSE Practice Specialties and Common Interest Groups - but YOU’RE the one that makes the learning magic happen!
Walk confidently into your certification exam

As the world’s founding professional safety organization, you can count on ASSE’s Certification Preparation Workshops to help you pass your exam the first time.

Expert instructors
Workshops are taught by renowned Certification Preparation instructors, Langlois, Weigand & Associates - sent to each location for an unmatched experience no matter what city you choose.

Custom Study Plan
Our instructors break down each exam component, help you assess the areas you need to focus on, and leave you with a manageable study plan.

Collaborative Atmosphere
Our study group environment encourages questions and discussions that lead to greater comprehension.

Study Workbook
Designed to provide an intensive review of the knowledge considered essential for passing your exam.

Practice Problems
Perform at your peak with the help of practice tests and sample problems.

Guarantee
We are so confident in our workshops that if you do not pass, you can retake the same workshop for FREE. Visit our website for details.

REGISTER TODAY!
For more information visit page 42

I am going to pass.
### PRE AND POST CONFERENCE SEMINARS

<table>
<thead>
<tr>
<th>Number</th>
<th>Seminar</th>
<th>FRIDAY June 16</th>
<th>SATURDAY June 17</th>
<th>SUNDAY June 18</th>
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PRE & POST CONFERENCE SEMINARS

Pre-Conference Seminars: June 16-19
Post-Conference Seminars: June 22-25

- Choose from more than 40 topics
- Earn up to 5.3 CEUs
- Prepare for your ASP, CSP, CHST, OHST or CHMM examination
- Complete required seminars for the ASSE Certificate in Safety Management, the Executive Program in Safety Management, the Global Safety Management Certificate Program, the ASSE Risk Assessment Certificate Program, The ISO 45001 Certificate Program, or other seminars that will satisfy the elective requirement for these certificate programs
- Network with other OSH professionals

CEUs for seminars
1 day = 0.7 CEU
2 days = 1.4 CEUs
3 days = 2.1 CEUs

Please refer to the website and registration for detailed seminar descriptions and complete information.

PRE-CONFERENCE SCHEDULE OF EVENTS

June 16-19 | 7:00AM - 7:45AM
Pre-Conference Registration Open

June 16-19 | 8:00AM - 4:30PM
Pre-Conference Seminars

POST-CONFERENCE SCHEDULE OF EVENTS

June 22-24 | 7:00AM - 7:45AM
Post-Conference Registration Open

June 22 | 2:00PM - 6:00PM
½ Day Math Review

June 23-25 | 8:00AM - 4:30PM
Post-Conference Seminars

PRICES

One Day Seminars – June 16, 18, 19

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Two Day Seminars – June 16-17, 18-19, 23-24

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Three Day Seminars – June 16-18, 17-19, 23-25

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Half Day Math Review 801 – June 22 (2:00 - 6:00PM)

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Executive Program in Safety Management Seminar 238 – June 17-19

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Executive Program in Safety Management Seminars 821 – June 23-24

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Since the original content of the Executive Program was delivered in 2002, safety management thinking has evolved. Recognizing these great strides in safety management, the program now features:

- Contemporary Safety Management Methods
- Influential Leadership Strategies
- Successful Implementation of New Safety Management Concepts in your Organization

**Learning Objectives:**

- Manage safety applying the methods established by recognized contemporary management innovators, behavioral scientists and great leaders in safety
- Add another dimension to OSH management in your organization by applying strategy and techniques focused on risk, business and the reality of human behavior
- Exhibit the unique traits of successful leaders to inspire your workforce in their safety performance
- Strengthen the connection with your senior leaders
- Introduce new concepts in OSH management and leadership to your workforce

**238 Advanced Safety Management Methods**

3 Days / 2.1 CEUs

This three-day seminar contains the following education elements:

**Learn to:**

- Shifting focus from compliance-driven safety
- Human factors/human error including the work of Sidney Dekker and James Reason
- Cognitive bias
- Serious injury and fatality prevention
- Risk principles
- Prevention through Design
- Aligning OSH with business operations
- Emerging management methodology of great theorists – how the work of Peter Drucker and other management authorities can be applied to OSH

**ISO 45001 CERTIFICATE PROGRAM | Required Seminars**

**SUNDAY & MONDAY, JUNE 18-19**

321 The ISO 45001 Certificate Program Classroom Seminar

2 Days / 1.4 CEUs

The ASSE ISO 45001 Certificate Program

ASSE introduces a certificate program that focuses on the effective implementation of the 45001 standard. The program will give safety professionals the guidance and opportunity to consistently manage effective safety programs worldwide. In this interactive workshop-style seminar, you and your colleagues will learn to implement and assess the performance of the standard within your organization.

**Content:**

During the course of the two days, you’ll work through these four topic areas:

- Management engagement
- The organizational responsibilities around OSH
- Promotion of risk-based thinking
- Assessing risk

**Learning Objectives:**

- Navigate the ISO 45001 standard document
- Communicate a compelling story to business leaders on the importance of adopting the standard
- Create an actionable plan for adoptions of the standard
- Assess the performance of your OSHMS, in relation to the standards and continuously improve your process

Training with experts in Occupational Health and Safety Management Systems and collaboration with your peers will thoroughly prepare you to adopt the ISO 45001 standard in your organization.

**Note:** It is expected that the standard will be out and approved by December of 2017. Attendees of this seminar will receive a copy of the latest available draft of the standard.

**ISO 45001 Certificate Program Instructor:**

Vic Toy, CSP, CIH, Chair, U.S. Technical Advisory Group on Project Committee 238 to ISO 45001, Principal Consultant, Insys OH&S, San Mateo, CA

**FRIDAY & SATURDAY, JUNE 23-24**

**821 Influential Leadership Skills**

2 Days / 1.4 CEUs

This two-day seminar consists of the following topics:

**Learn to:**

- Communicating the value of safety to the organization
- Principles of leadership
- Leadership vision and strategic thinking
- Influencing line management
- Ethical decision making
- Identify the strengths and weaknesses of your current OSH model
- Select the best model for producing long-term safety performance success
- Your revised OSH management plan is accepted and recognized by your organization

Executive Program in Safety Management Instructor:

James “Skipper” Kendrick, CSP, President, Kendrick Global Enterprises, LLC, Hurst, TX; Thomas Cecich, CSP, CIH, President, TFC & Associates, Apex, NC

**ASSE RISK ASSESSMENT CERTIFICATE PROGRAM | Required Seminar**

**FRIDAY, SATURDAY & SUNDAY, JUNE 16-18 & JUNE 23-25**

131 The ASSE Risk Assessment Certificate Program Classroom Seminar

3 Days / 2.1 CEUs

The ASSE Risk Assessment Certificate Program is a blended education program consisting of this three-day seminar, selected ASSE webinars, virtual symposia, and a final project. Upon completion of all elements of this program, you will receive a Certificate in Risk Assessment, that is evidence of your competence in successfully applying occupational safety and health risk assessment principles.

**Learning Objectives:**

- Implement the steps of the risk assessment process
- Conduct a risk assessment leading to the identification and prioritization of your organization’s hazards and controls
- Influence management to support risk reduction plans and efforts
- Measure the effectiveness of the risk assessment process and outcomes to support your organization’s objectives

**Content:**

**Hazard Identification**

- Hazard identification techniques
- Accumulation and review of data
- Selection of a risk assessment tool

**Risk Analysis**

- Basic steps of risk assessment
- Methods and data sources
- Creating and using a matrix
- Performing a baseline risk assessment

**Risk Evaluation and Treatment**

- Identify controls (hierarchy)
- Control selection/decision
- Identify mitigations for risk reduction
- Key metrics for the risk assessment process

ASSE Risk Assessment Certificate Program Instructors:

Paul Esposito, CSP, CIH, President, STAR Consultants, Inc., Annapolis, MD

Pam Wolski, CSP, CHMM, Director, Health and Safety, GAI Consultants, Inc, Homestead, PA
Maintain program quality
• Measure performance of safety efforts
• Manage occupational and environmental health risk
• Prevent and control losses
• Deliver best safety and health management approaches

Learn to:
• Design your safety management system to support business objectives
• Influence and obtain management support for your safety efforts
• Demonstrate business acumen and negotiation skills
• Achieve work habits necessary for more effective safety management
• Adjust safety efforts in response to corporate mergers, downsizing, rightsizing, and reorganizing
• Benchmark your organization’s safety and health system

Corporate Safety Management provides a forum to share challenges, craft solutions, and implement the necessary skills to be successful in positioning safety in your organization. Attendees learn through role play situations and thought provoking exercises as opposed to instructional topic lectures.

Learn to:
• Establish accountability for safety efforts
• Implement proven system elements and strategy
• Satisfy the moral, financial and legal responsibilities
• Develop policy statements and performance standards to assist the management team fulfill its safety responsibilities
• Control Workers’ Compensation costs
• Reinforce safety behavior in your organization
• Create a budget for your safety efforts

In this seminar participants will examine different safety management systems to identify the most appropriate system for their organization. Particular emphasis will be placed on those systems that are applicable to global organizations.

Learn to:
• Analyze systems applicable to OSH
• Select the most appropriate system for an organization
• Implement a safety management system

Through examples, case studies and other resources, this seminar provides a foundation of fundamental elements and techniques for managing an effective safety system.

Learn to:
• Establish accountability for safety efforts
• Implement proven system elements and strategy
• Satisfy the moral, financial and legal responsibilities
• Develop policy statements and performance standards to assist the management team fulfill its safety responsibilities
• Control Workers’ Compensation costs
• Reinforce safety behavior in your organization
• Create a budget for your safety efforts

During this seminar safety professionals will analyze and measure the success of their global operations. From the discussion and examples, they will explore methods to implement, manage and measure a successful global safety, health and environment program within their organizations. This seminar covers the basic needs of managing safety and health with a global perspective.

Learn to:
• Deliver best safety and health management approaches
• Prevent and control losses
• Manage occupational and environmental health risk
• Measure performance of safety efforts
• Maintain program quality

Whether you’re just starting the journey or well on the path of a successful OSH career, ASSE certificates are your guide to greater OSH success. Completing a certificate program from ASSE:

• Signifies a commitment to the profession
• Acquires a new level of expertise
• Broadens your knowledge of safety management
• Opens the door for more opportunities

• Improves your earning potential and job mobility
• Expands your professional network
• Provides notable capabilities on a resume

WHY EARN A CERTIFICATE FROM ASSE?

Be associated with ASSE’s strong and long-standing reputation of integrity and excellence. Earn the Certificate in Safety Management, the Executive Program in Safety Management, the ASSE Certificate in Risk Assessment, the Global Safety Management Certificate Program and/or the ISO 45001 Certificate Program today.
WORKSHOPS

FRIDAY, JUNE 16

111  Math Review for Certification Exams
1 Day / 0.7 CEUs
This is an intensive review of essential math skills. This workshop is specifically designed for those preparing for certification examinations (ASP, CSP, CHST, OHST) and needing a hands-on review of essential skill areas.

Learn to:
• Conversions - SI and English conversions of mass, length and time
• Dimensional analysis - multi-step conversions (e.g., converting miles per hour to feet per second, pounds to micrograms)
• Number manipulation - exponents, scientific notation, significant digits, accuracy and rounding and logarithms
• Shapes and formulae - area, circumference and volume of rectangles, triangles, circles, trapezoids, cubes and cylinders
• Graphing - two dimensional graphing of linear, exponential, trigonometric and logarithmic functions
• Algebra - laws and concepts, word problems
• Trigonometry - right angles, trigonometry functions and word problems
• Operation of a scientific calculator

SATURDAY, SUNDAY & MONDAY, JUNE 17-19

231  ASP Exam Preparation Workshop
3 Days / 2.1 CEUs
This workshop will prepare you for the BCSP's Associate Safety Professional Examination, which leads to the ASP designation. You will review more than 350 problems addressing all sections covered by the exam.

Learn to:
• Determine whether you are ready to attend the Associate Safety Professional Examination
• Obtain answers to questions about exam materials
• Identify areas where additional preparation is needed
• Become familiar with resources available to prepare for the exam
• Utilize information about certification requirements and scoring procedures in your test preparation
• Review content material utilizing a testing format

SATURDAY, SUNDAY & MONDAY, JUNE 23-25

831  ASP Exam Preparation Workshop
3 Days / 2.1 CEUs
This workshop will prepare you for the BCSP's Associate Safety Professional Examination, which leads to the ASP designation. You will review more than 350 problems addressing all sections covered by the exam.

Learn to:
• Determine whether you are ready to attend the Associate Safety Professional Examination
• Obtain answers to questions about exam materials
• Identify areas where additional preparation is needed
• Become familiar with resources available to prepare for the exam
• Utilize information about certification requirements and scoring procedures in your test preparation
• Review content material utilizing a testing format

THURSDAY, JUNE 22

801  1/2 Day Math Review for Certification Exams
1/2 Day / 0.4 CEUs
This workshop is specifically designed for those preparing for certification examinations (ASP, CSP, CHST, OHST) and needing a hands-on review of essential skill areas.

FRIDAY, SATURDAY & SUNDAY, JUNE 23-25

832  CSP Exam Preparation Workshop
3 Days / 2.1 CEUs
This workshop is designed to prepare individuals for the BCSP's Associate Safety Professional Examination leading to certification as a CSP. The workshop consists of lectures, sample problems, and discussions on a variety of subjects essential to prepare the student for the exam.

Learn:
• Concepts of probability, statistics and basic sciences
• Engineering: safety and environmental, occupational health, fire protection
• Applied management principles, ergonomic analysis, risk management
• Workers’ Compensation
• Legal/regulatory and issues in safety, health, environment and security

SATURDAY, SUNDAY & MONDAY, JUNE 17-19

232  CSP Exam Preparation Workshop
3 Days / 2.1 CEUs
This workshop will prepare you for the BCSP's Associate Safety Professional Examination, which leads to the ASP designation. You will review more than 350 problems addressing all sections covered by the exam.

Learn to:
• Determine whether you are ready to attend the Associate Safety Professional Examination
• Obtain answers to questions about exam materials
• Identify areas where additional preparation is needed
• Become familiar with resources available to prepare for the exam
• Utilize information about certification requirements and scoring procedures in your test preparation
• Review content material utilizing a testing format

SATURDAY, SUNDAY & MONDAY, JUNE 17-19

233  CHMM Exam Preparation Workshop
3 Days / 2.1 CEUs
This workshop is designed to prepare you for the examination leading to the Certified Hazardous Materials Manager (CHMM). You will cover the exam blueprint, and the study and testing techniques that will assist you in taking the exam. You will receive lectures, sample problems, and participate in discussions on those subjects most relevant to the exam blueprint.

Learn to:
• Recognize, identify and characterize hazards of materials
• Assess risks related to hazardous materials
• Mitigate and /or eliminate hazards of materials
• Manage impact of hazardous materials on human health
• Ensure regulatory compliance
• Manage hazardous materials

SATURDAY, SUNDAY & MONDAY, JUNE 17-19

234  OHST Exam Preparation Workshop
3 Days / 2.1 CEUs
The primary goal of this workshop is to help professionals pass the OHST Exam.

Topics include:
• Overview of the OHST blueprint
• Study methods and exam strategies
• OHST Math problems
• Assessing Safety, Health, Environmental and Security Risk
• Hazard Control and Loss Prevention
• Verification and Continuous Improvement

SATURDAY, SUNDAY & MONDAY, JUNE 17-19

235  CHST Exam Preparation Workshop
3 Days / 2.1 CEUs
This workshop is designed to prepare you for the examination leading to the Certified Hazardous Materials Manager (CHMM). You will cover the exam blueprint, and the study and testing techniques that will assist you in taking the exam. You will receive lectures, sample problems, and participate in discussions on those subjects most relevant to the exam blueprint.

Learn to:
• Recognize, identify and characterize hazards of materials
• Assess risks related to hazardous materials
• Mitigate and /or eliminate hazards of materials
• Manage impact of hazardous materials on human health
• Ensure regulatory compliance
• Manage hazardous materials

GUARANTEE

We are so confident in our workshops, they are guaranteed. If you sit for the exam within 12 months of the workshop and do not pass, you can retake the same workshop for FREE! This guarantee is not valid with chapter or regional workshops.

ASP, CSP, CHST, OHST and Math Review Workshops: Attendees will need to use scientific calculator TI-30X IIS in these workshops. These calculators will be included in the cost of and provided in the Math Review seminar. ASP, CSP, CHST and OHST attendees who do not attend the Math Review seminar may bring their own TI-30X IIS calculator or purchase one at the registration desk.

Certification Preparation Workshop Instructors:
C. David Langlois, CSP; Michael Weigand, CSP; Langlois Weigand & Associates, Inc., Baton Rouge, LA; Steven P. Pereira, CSP; Consultant; Professional Safety Services, Denham Springs, LA; Daniel J. Snyder, M.Ed, Managing Partner,SPAN Safety Workshops, SPAN International Training LLC, Nixa, MO; Rich Cartwright, CHMM, Business Development Manager; SPAN International Training LLC, Nixa, MO;
### PRE-CONFERENCE SEMINARS

<table>
<thead>
<tr>
<th>Date</th>
<th>Seminar</th>
<th>Time</th>
<th>CEUs</th>
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<tbody>
<tr>
<td><strong>Sunday, June 18</strong></td>
<td><strong>311 Fatigue Workshop</strong></td>
<td>1 Day / 0.7 CEUs</td>
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|               | Research has indicated fatigue is 4X more likely to cause worker impairment than drugs or alcohol and that a fatigued employee is 3X more likely to cause a workplace incident. Yet this prevalent health and safety risk is still largely under-recognized by the majority of organizations. When fatigue is identified as a workplace hazard, many organizations are not aware of existing best practices and personal mitigation strategies available. This seminar is based on the belief that knowing the health and safety implications of fatigue impairment can create a work culture that works collaboratively to recognize and address the issue. It is designed to empower attendees by providing awareness of the issues and best practices needed to address it. It will provide practical tools to allow attendees to apply best practice mitigation strategies to reduce their risks of fatigue related incidents. Learn to:  
|               | - Recognize the health and safety implications of fatigue can have on a work environment  
|               | - Analyze operational requirements to assess fatigue risk factors within their own organization  
|               | - Develop specific controls needed to address the fatigue risks identified  
|               | - Identify and apply key organizational strategies, including worker engagement awareness training, to implement a comprehensive fatigue risk management strategy  
|               | Susan L. Sawatzky, CRSP, Director, In-Scope Solutions, Barrhead, AB |            |      |
| **Sunday, June 18** | **313 Human Error and Safety**                                          | 1 Day / 0.7 CEUs |      |
|               | “If we are to understand failure … we must first understand how we react to failure. If we always see failure as a function of human error, we fall in the trap of always trying to fix the human error.”  
|               | - Sidney Dekker, The Field Guide to Understanding Human Error  
|               | Error is always present, is normal and is the cause of many losses. Understanding human error is vital to moving any safety program to the next level, but error cannot be removed. In this workshop, you will gain insight into the body of knowledge on human error. This is the first step to start building process and systems that are error tolerant. Learn to:  
|               | - Define error types  
|               | - Recognize not only error types, but successfully diagnose and treat the problem  
|               | - Build stronger processes and procedures for mission success  
|               | - Create error-tolerant systems  
|               | Bob Edwards, Human & Organizational Performance Coach, The HOP Coach - Founder, McMinnevelle, TN |            |      |
| **Sunday, June 18** | **314 Conducting a Due Diligence Assessment for Safety**                | 1 Day / 0.7 CEUs |      |
|               | Due diligence as a comprehensive appraisal or investigation contributes significantly to your organization’s informed decision making based on having greater knowledge of the costs, benefits and risks. For OSH specifically, it can greatly influence the outcome of the programs you implement in your organization and affect the strategic investments it makes, such as mergers and acquisitions. In this seminar, you will learn about due diligence as it relates to executing OSH and how this type of investigation can heighten your knowledge on how your efforts are furthering your organizations strategic plan. Learn to:  
|               | - Define due diligence as it relates to OSH efforts and expectations  
|               | - Determine what OSH due diligence endeavors are most relevant for contributing to organizational and enterprise-wide objectives  
|               | - Develop information, data and policy documenting how resources and the organization are protected when executing OSH processes through enterprise risk management  
|               | - Present and report on OSH due diligence information for action and engagement of decision-makers  
|               | James Boretti, President, Boretti, Inc., Visalia, CA |            |      |
| **Sunday, June 18** | **315 Cognitive Bias in Safety: Controlling the Consequences**          | 1 Day / 0.7 CEUs |      |
|               | Cognitive biases enter into decision-making by helping us cope with complex situations and limited information. However, there are unintended negative consequences of the cognitive biases that factor into safety management. These beliefs can steer our thinking toward alignment with past similar experiences, often resulting in the underestimation of risks and the overestimation of the ability of our safety systems to manage hazards. Join us in this seminar to learn how to reset your thinking and mitigate the damaging effects of cognitive bias.  
|               | Learn to:  
|               | - Determine if cognitive biases are a risk factor in your workplace  
|               | - Shape safety perceptions within your organization  
|               | - Isolate the biases that enter into safety decision-making  
|               | - Mitigate losses through the application of more accurately perceived risks and hazards  
|               | Donald K. Martin, CSP, CIH, Senior Vice President, Dekra Insight/BST, Fernandina Beach, FL |            |      |
| **Sunday, June 18** | **316 Lockout/Tagout (LO/TO) A - Z**                                     | 1 Day / 0.7 CEUs |      |
|               | Last year, OSHA most frequently gave citations in manufacturing for violation of LOTO (29CFR1910.147). This standard regulates the servicing and maintenance of equipment in which the unexpected energization or startup of the equipment, or release of stored energy could cause an injury. In this seminar, you will learn the A to Z on compliance with this regulation through the development and implementation of a practical written LOTO program, LOTO training program (initial and refresher) as well as equipment-specific LOTO procedures for equipment that does not meet the OSHA eight-point exclusion. You will also have a hands-on opportunity to test a wide range of LOTO devices. Learn to:  
|               | - Cite the minimum performance requirements for the control of machines and equipment  
|               | - Develop and implement a LOTO program for your organization  
|               | - Provide LOTO training to employees  
|               | - Develop equipment specific LOTO procedures for tools that do not meet the OSHA eight-point exclusion  
|               | Jay Jamali, CSP, CHMM, EHS Director, Enviro Safetech, Inc., San Jose, CA |            |      |
SUNDAY & MONDAY, JUNE 18-19

322 Techniques for Hazard Recognition
2 Days / 1.4 CEUs
Every organization needs a variety of hazard recognition techniques (as many as 20 to 25 different techniques), to be reasonably assured that the majority of hazards are found. In this seminar, you will practice a variety of techniques including: job hazard analysis, the Final Safety Checks, pre job / pre task hazard identification, permitting, new equipment reviews, blue print reviews, prevention-through-design, and more. The Multi-Layered Approach to Hazard Recognition and The Importance of Standards and Codes to Hazard Recognition is also discussed.

Learn to:
• Use the multi-layered approach to hazard recognition
• Identify hazards before starting the job
David F. Coble, CSP, President, Coble, Taylor & Jones Safety Associates, LLC, Cary, NC

SUNDAY & MONDAY, JUNE 18-19

323 Prevention through Design
2 Days / 1.4 CEUs
The PtD seminar is a two-day interactive workshop that addresses the concept of reducing risk through the system of prevention through design. The workshop is built around the concepts included in the ANSI Z590.3 standard on this subject.

Learn to:
• Discuss the concept of Acceptable Risk vs. Zero Accident in design
• Integrate Prevention through Design into traditional design reviews
• Conduct risk assessments to identify design issues
• Reduce the cost of retrofitting equipment and processes
• Reduce the maintenance cost of operations
• Communicate cost implications in design

The course will include a thorough explanation of the concepts within the PtD standard as well as practical exercises that can be used in future design reviews.

The examples, explanation of concepts and exercises in the course will be based on “real world” experiences; not theoretical concepts.
C. Gary Lopez, CSP Director Loss Control Services, AJ Gallagher Risk Management Services, Weston, FL

SUNDAY & MONDAY, JUNE 18-19

324 Industrial Hygiene for the Safety Professional
2 Days / 1.4 CEUs
The safety professional must be familiar with issues related to health and exposure stresses in the workplace. In this seminar, you will learn the fundamentals of industrial hygiene to better anticipate, recognize, evaluate, and control health stress related to worker exposures. It is intended for the professional with little or no experience in industrial hygiene. Hexavalent chromium, silica, and respiratory protection are covered in detail to keep pace with current regulatory activity.

Please bring a hand-held calculator with a logarithmic function to this seminar.

Learn to:
• Define industrial hygiene and regulatory and consensus standards applicable to workplace environmental concerns
• Apply basic toxicological principles as adverse effects on the human body
• Evaluate airborne exposures to chemicals and particulates through air sampling techniques and control these exposures with ventilation and respiratory protection
• Practice basic evaluation and control methods for physical stresses in the workplace including thermal stressors and noise
• Discuss biological hazards for certain occupational settings including assessment and control of indoor air quality issues
• Demonstrate skills learned through hands-on laboratory sessions on noise, air sampling, and ventilation assessment.
Tony Watson, Workplace Hygiene, Inc., Greensboro, NC

SUNDAY & MONDAY, JUNE 18-19

325 Planning, Developing, Managing and Tracking the Organizational Performance of OSH Initiatives and Programs: A Mini Safety MBA
2 Days / 1.4 CEUs
You may not have had time to pursue an MBA, but you can get a sampling of the content of a graduate-level business program with a safety slant. In this seminar, you will learn strategy for planning, developing, managing and tracking the performance of your safety programs.

Learn to:
• View EHS from a business management perspective
• Use provided tools to prioritize EHS initiatives and align them to business objectives and risks
• Create good problem statements and SMART objectives
• Use provided tools to better plan and develop your EHS initiatives
• Use provided tools to evaluate the financial and non-financial aspects of your EHS initiatives
• Improve skills in presenting the business case for EHS initiatives

All software tools will be provided to participants for their future use.
David E. Downs, President, EHS Management Partners, Inc., Excelsior, MN; William L. Heim, Principal Consultant, Alli, Shoreview, MN

SUNDAY & MONDAY, JUNE 18-19

326 Incident Investigation and Root Cause Analysis
2 Days / 1.4 CEUs
All incidents, injuries, illnesses and near-miss incidents should be investigated to determine the cause(s) so that appropriate corrective (remedial) action can be taken to prevent similar events. In addition, OSHA has requirements for investigating certain job-related injuries and illnesses. Under the OSHA 1910.119 Chemical Process Safety Management Standard, all incidents that did or could have resulted in the catastrophic release of highly hazardous chemicals or catastrophic explosions must be investigated by a team within 48 hours. Learn to prompt and conduct thorough investigations and identify root cause(s) of the event.

Topics include:
• Organizing an investigation team including duties and responsibilities
• Preservation and collection of evidence including photography
• Interviewing witnesses and gathering facts
• Identifying the three (3) levels of incident causation
• Analyzing performance and procedural problems
• Using a causal factors guide to identify all possible causes of the incident and subsequent corrective (remedial) action
• Drafting reports
• Establishing a system for tracking action items
• Documenting and handling unrelated but important information uncovered in the investigation

Steven P. Pereira, CSP, Consultant, Professional Safety Services, Denham Springs, LA

SUNDAY & MONDAY, JUNE 18-19

2 Days / 1.4 CEUs
This seminar will cover the updated 2015 edition of NFPA 70E electrical safety and arc flash requirements. You will Learn to: meet OSHA and NEC standards and implement an electrical hazard-control and management program for your organization.

Learn to:
• Describe engineering design and management requirements and practices including application of the 2015 National Fire Protection Association (NFPA) 70E electrical safety requirements
• Discuss the basic principles of electricity, including basic circuitry and electrical units
• Identify hazards of electricity to the human body, including shock and arc flash hazards
• Explain general requirements for electrical installations, wiring design and protection, and hazardous locations emphasizing OSHA top 10 electrical violations
• Apply safety-related work practices for energized systems, including the assignment of arc rated clothing, shock protective equipment, and approach and flash boundaries utilizing IEEE 1584 arc flash calculations
• Implement training requirements for qualified persons
• Establish an electrical safety program and risk assessment methodology emphasizing the requirements of ANSI Z10 and ANSI Z244.1
• Demonstrate skills learned through hands-on laboratory sessions on basic principles, reverse polarity, risk assessment, and personnel protection assignment based on shock and arc flash potential.
Paul A. Zoubek, CSP, CH, CESCP, President, Zoubek Consulting, LLC, San Diego, CA
Regina McMichael, CSP, CET, President, The Learning Factory

- Begin making compliance training actually interesting.
- Design and develop effective safety training that your audience wants to attend.
- Find time to deliver great training. Tired of compliance?
- Dang, it is hard to be a top-notch safety pro and still do much more efficiently than was possible in the past.

Learn to:
- Complete your final project using the matrix and definitions; list of hazards and instructions provided in the three-day risk assessment seminar.
- Identify the expectations of the C-Suite for the OSH process.
- Develop and implement a Behavior-Based Safety process back when everyone else did it, may be time for some updates that could increase the results of your system.
- Studies on human error clearly demonstrate that reducing human error to zero is not possible and that some organizations currently experience an increase in average error rates with traditional error reduction approaches.

Learn to:
- Decrease the use of internal resources without sacrificing effectiveness.
- Develop better focus with your observation checklist.
- Make more intelligent analysis and use of observation data.
- Learn what the senior management of your organization want to know about OSH and how to communicate this information with key management. Your knowledge of the organization’s business goals and senior management’s expectations of OSH will strengthen your bond with the C-Suite.

Learn to:
- Differentiate between active error and latent error.
- Use creative thinking techniques to increase your ability to approach challenges and opportunities in new ways.
- Identify barriers to effective decision making.

Learn to:
- Develop better focus with your observation checklist.
- Make more intelligent analysis and use of observation data.

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- Decrease the use of internal resources without sacrificing effectiveness.
- Develop better focus with your observation checklist.
- Make more intelligent analysis and use of observation data.

Learn to:
- Differentiate between active error and latent error.
- Identify error precursors in your workplace.
- Identify barriers to effective decision making.

Learn to:
- Differentiate between active error and latent error.
- Identify error precursors in your workplace.
- Implement tools in your organization that are designed to aid your efforts in reducing the consequences of errors to zero.

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### MONDAY, JUNE 19

**408 Confined Space Evaluation, Entry and Rescue**

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<th>1 Day / 0.7 CEUs</th>
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In this seminar, you will learn how to evaluate spaces to determine if they are permit-required or not. You will also review the proper entry and rescue procedures into and from confined spaces. The following topics will be covered: development of a written program; training requirements for entry and rescue; air monitoring; ventilation; permits; recordkeeping; retrieval methods; contractor safety; and entry/non entry rescue procedures and equipment. The new OSHA regulation for confined space entry in construction that went into effect in fall of 2015 will also be reviewed in detail.

**Learn to:**
- Evaluate a space to determine if it is a confined space, and/or permit-required
- Develop confined space entry and rescue procedures
- Determine the appropriate training for your confined space entrants, attendants, entry supervisors and rescue team
- Evaluate the capability of your designated confined space rescue team to respond to your confined spaces emergencies

Jay Jamali, EHS Director, Enviro Safetech, Inc., San Jose, CA

### POST-CONFERENCE SEMINARS

#### FRIDAY, JUNE 23

**811 Manage Risk, Not Safety**

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<th>1 Day / 0.7 CEUs</th>
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The field of safety and health is steadily evolving in a direction of managing the overall risk of an organization versus the traditional approaches of focusing on standards compliance and zero accident philosophies. This seminar presents the evolution, the new roles of the future safety professional, the new metrics that will be used in managing risk and how this new approach will enable safety professionals to more closely align with other managers within their organizations.

**Learn to:**
- Conduct risk assessments for planning purposes in your organization
- Develop annual business plans based on risk assessment findings
- Integrate risk concepts into metrics of both leading and lagging indicators
- Calculate dollar losses from potential risk scenarios into business planning

C. Gary Lopez, CSP, Director Loss Control Services, AJ Gallagher Risk Management Services, Weston, FL

**812 Risk Management for the Safety Professional**

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Risk management is a critical a part of every organization's management process and the principles of this discipline are valuable for the safety professional's efforts. There are some important commonalities for risk management and safety and additional areas of focus in risk management including financial and operational tools that will help safety better align with organizational goals. This overview of risk management is designed to assist safety professionals learn the risk management process and better integrate the safety program with their organization's risk management function.

**Learn to:**
- Prioritize your organization's pre-loss and post-loss objectives
- Identify and analyze liability, property and net income exposures and their impact on your organization
- Describe the link between accident/loss experience and the cost of insurance, retention and risk transfer mechanisms
- Apply the risk management process to tactical and strategic issues

Philip E. Goldsmith, Risk Management Consultant, The Villages, FL

**813 Targeted Accident Prevention**

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<th>1 Day / 0.7 CEUs</th>
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High-performance safety management requires focused and proactive attention to prominent risks in the workplace, beyond mere regulatory and prescriptive approaches. Standards such as OHSAS 18001, ANSI Z10, and ISO 31000/ANSI Z690, as well as injury and illness prevention standards all specify the need for programmed prioritization and correction of identified risks. This seminar will provide you with a flexible model for targeted risk reduction. You will take away an outline for planning and executing highly-focused intervention efforts.

**Learn to:**
- Interpret and prioritize the results of risk identification/assessment
- Identify applicable metrics to evaluate your assessment results
- Use risk-based control measure selection and planning
- Apply management principles to implement, guide, and monitor corrective and preventative measures in your organization

David Natalizia, Practice Line Leader- Safety, Bureau Veritas North America, Inc., Lakewood, CO
FRIDAY, JUNE 23
814 Systems Thinking: Avoid Creating Tomorrow’s Problems with Today’s “Solutions”
1 Day / 0.7 CEUs

Without systems thinking inspections and audits can reduce our understanding of risk. Accident investigations and traditional measures can decrease our recognition of factors that lead to injuries and illness. Well-intentioned efforts to improve individual parts of the system, such as inspections, investigations and measurement systems, taken separately usually fall short of expectations and often result in unintended consequences that create new problems. In this seminar, you will learn systems thinking which increases understanding of the interdependence of system parts to enhancing your ability to identify points of highest leverage.

Learn to:
- Identify your organization’s assumptions and mental models that significantly impact its health and safety efforts
- Recognize the interdependence of system parts of health and safety systems
- Plan actions for improvement that focus on the whole system
- Develop strategies to build systems thinking and apply those practices to your management system

James C. Howe, CSP, President, Safety Solutions, Oakland, CA

FRIDAY, JUNE 23
815 Becoming an Effective Independent Consultant
1 Day / 0.7 CEUs

This seminar offers hands-on training in basic business operations for those who would like to improve the effectiveness of their consultant practice or would like to make the transition from employee to independent practitioner.

Learn to:
- Establish or more effectively operate an independent consulting practice
- Discuss the most difficult challenges facing the independent consultant
- Create a business plan for optimum performance of the consulting practice
- Address financial issues and essential practice management
- Construct proposals, contracts and letters of agreement
- Develop marketing and sales strategies for professional services

Deborah R. Roy, MHP, CSP, COHN-S, Corporate Director, Health, Safety & Wellness, L. L. Bean, Freeport, ME

POST-CONFERENCE SEMINARS

FRIDAY & SATURDAY, JUNE 23-24
823 Cultural Competency Strategies for Global Safety Success
2 Days / 1.4 CEUs

In today’s globally connected workplace, understanding the different cultures we come in contact with impacts our ability to lead, manage and work as well as influence the culture of our organizations relative to safety. In this interactive workshop we will examine, through real world examples, how cultures get business done and how we can most effectively work with our international counterparts. You will learn the spoken and unspoken rules of business in different parts of the world, how to create buy-in for corporate policies throughout your global operations and strategies for creating a highly functioning global team.

Learn to:
- Identify cultural norms (business, societal & personal) from various regions of the world
- Transact global business effectively with reduced misunderstanding and social faux pas to achieve intended results
- Transferring corporate culture, including expectations for safety, throughout your company’s global operations, using recognized strategies for adapting policies, practices, norms and behaviors to the customs and protocols at all its locations

Kathy A. Seabrook, CSP, CMIOSH, EurOSH, President, Global Solutions, Inc., Mendham, NJ

SATURDAY, JUNE 24
911 Workers’ Compensation for the Safety Professional
1 Day / 0.7 CEUs

Workers’ Compensation is a major source of cost to any business. Even in today’s competitive insurance environment, few safety professionals understand the direct relationship between worker injuries and Workers’ Compensation insurance costs. This seminar will fill in the gaps in the safety professional’s knowledge of the system. Participants will discover how the ultimate cost of Workers’ Compensation insurance is determined by the type of plan, the employer’s short and long-term loss experience, and the care with which the organization audits the computation of premium. It will address the impact of experience modification, retrospective rating plans, payroll classification and audit tips, identification of problem claims, return to work strategies, and other opportunities to produce measurable reductions in insurance cost.

Learn to:
- Discuss the coverage provided by Workers’ Compensation insurance
- Make the Workers’ Compensation rating system work for the organization
- Identify primary sources of the organization’s own loss experience and target safety efforts toward these loss sources
- Return injured employees to productive work quickly
- Aggressively manage claims to control medical and indemnity cost
- Allocate Workers’ Compensation costs to business units

Philip E. Goldsmith, Risk Management Consultant, The Villages, FL

SATURDAY, JUNE 24
912 Systematic Slip, Trip and Fall Prevention: Strategies that Work!
1 Day / 0.7 CEUs

Slips, trips, and falls have been and remain a major cause of workplace injuries in all industries for as long as loss data has been tracked. Unfortunately, even though new technologies are available, accident rates still remain high. However, you can take actions that will make a difference in your loss experience and in this seminar, you will learn these methods. You will learn that a relatively straightforward set of factors related to floor-related issues, footwear and walking style, can reduce the risks of slips, trips and falls and these measures can be employed in your workplace immediately. While this seminar is focused on same-level falls, many of the points covered will be useful for those seeking to prevent falls from heights.

Learn to:
- Develop a broad plan for slip, trip, and fall prevention
- Implement key risk reduction methods for falls on the same level
- Evaluate and select solutions for problem areas
- Determine which prevention methods work best together

David Natalizia, Practice Line Leader- Safety, Bureau Veritas North America, Inc., Lakewood, CO

SATURDAY, JUNE 24
913 Implementing an ANSI Z10 Management System Based on the New View of Safety
1 Day / 0.7 CEUs

Management systems can be a powerful tool for continual improvement in your OSH effectiveness. Implementing ANSI Z10 based on new view concepts increases communication and alignment by challenging long held assumptions and replacing them with new knowledge of the factors that lead to success. Improvement is the result of designing system elements that fit together based on the characteristics of the organization. Safety emerges from the interaction of system elements such as leadership, employee engagement, planning, etc. rather than the quality of each of these taken separately. You will receive a copy of the ANSI Z10 standard.

Learn to:
- Apply new view concepts – a systems thinking approach to safety and health
- Recognize employees as a source of safety resilience
- Implement processes to learn from failures and successes to improve operational and organizational performance
- Use systems thinking to maximize effectiveness when establishing and implementing a management system
- Integrate the Z10 standard elements with other systems

James C. Howe, CSP, President, Safety Solutions, Oakland, CA

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The Mile High City is the gateway to amazing locations, just waiting for you to explore them. Tour the epic vistas of the Rockies, visit quaint mountain towns or take in a thriving arts and culture scene.

Here are just a few to explore…

**GARDEN OF THE GODS**
Garden of the Gods Park is a registered National Natural Landmark. Imagine dramatic views, 300’ towering sandstone rock formations against a backdrop of snow-capped Pikes Peak and brilliant blue skies. Delight in one of Colorado’s most photographed views.

**RED ROCKS PARK & AMPHITHEATRE**
Carved from towering red rock monuments, Red Rocks Park & Amphitheatre is one of the world’s most renowned concert venues. When there’s no concert, enjoy the surrounding park hiking trails that weave in, around and over the colorful red rocks.

**DENVER NEIGHBORHOODS**
Discover Denver’s thriving arts and culture scene, from world-class museums to unique art districts. From the stately Victorian houses of Five Points to the hip restaurants and nightclubs of historic LoDo, Denver’s laid-back attitude is exemplified in its neighborhoods.

**UNITED STATES MINT**
To see where your currency is conceived (sorry, no free handouts), follow the money trail to the Denver U.S. Mint, one of only two mints in the United States. Get up close and personal with the shiny pocket change that streams off the production lines.

**UNION STATION**
Sit back, relax and take in the view inside one of Denver’s most iconic historic landmarks, Denver Union Station. Located in the heart of Downtown Denver, the newly renovated 1914 Beaux-Arts train station is home to 10 chef-owned restaurants and bars, boutique shops and the 112-room Crawford Hotel.
Read by today’s OSH professionals

Because content matters.

*Professional Safety* delivers the information you need from the organization you trust.

www.asse.org/professional-safety
COMMON INTEREST GROUP EVENTS

SUNDAY, JUNE 18

7:30AM - 5:30PM  Women in Safety Engineering WISE Retreat
Women in Safety Engineering (WISE) invites you to join us for our 4th Annual Personal Development Retreat. This all-day event offers attendees of all genders an opportunity to explore, inspire and network around topics that focus on the power of a well-rounded OSH professional. This event explores personal development with topics previously ranging from developing your own personal mission statement, improving communication skills, the power of storytelling, improving memory skills and even follow up to success stories from our previous events. All are welcome!

Early Registration
Register by: 5/1/17   Price: $125
Regular Registration
Register: 5/2/17 - 6/16/17   Price: $150

MONDAY, JUNE 19

5:30PM - 7:30PM  Blacks in Safety Engineering (BISE) Reception
Come help BISE celebrate their 10th anniversary, and join them for a night of networking and fun!

6:00PM - 9:00PM  WISE Reception
Please join us as we explore all that Women in Safety Engineering (WISE), an ASSE Common Interest Group, has to offer OSH professionals of all genders. The agenda for the annual evening event includes special speakers, updates on all that is going on with WISE and why you should join this powerful group. All are welcome. Snacks and beverages following.

7:00PM - 9:00PM  Young Professionals Networking Reception
Come join other Young Professionals in Occupational Safety and Health for a night of networking and fun.

Price: $10

TUESDAY, JUNE 20

5:30PM - 7:30PM  Safety Professionals and the Latino Workforce (SPALW) and Latin American Attendee Networking Reception
Join SPALW and professionals from Latin America for an evening of networking and fun!

GET TOGETHER AT THE RESOURCE CENTER WHERE YOU CAN:

• Network with your peers or mingle with the ASSE Staff
• Hold a casual meeting and connect with free WiFi
• Purchase the latest publications, standards, and ASSE insignia items
• Learn more about the #safety2017 App Game – participate for your chance to win prizes!
• Take a selfie at one of our selfie stations
• Take a break with colleagues and play Nintendo Wii

Resource Center Hours

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>Monday</td>
<td>3:00PM - 5:30PM</td>
</tr>
<tr>
<td>Tuesday</td>
<td>9:00AM - 3:30PM</td>
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<tr>
<td>Wednesday</td>
<td>9:00AM - 3:00PM</td>
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</table>

In Exhibit Hall, Booth #1245
TECHNICAL TOURS 2017

All technical tours require an advance payment per person. Register early as tours have limited capacity. Please visit safety.asse.org for requirements, departure times, full descriptions and details of the tours. Use the codes that begin with TT to register for technical tours. Technical tours are for registered attendees of ASSE’s Safety 2017 only.

NATIONAL WIND TECHNOLOGY CENTER (NWTC)
TT5117 Tuesday, June 20, 9:30am – 12:30pm
National Renewable Energy Laboratory (NREL)’s National Wind Technology Center (NWTC) is the nation’s premier wind energy technology research facility and provides technical support critical to the development of advanced wind and water energy systems.

This tour will include safety aspects of the operations conducted at the NWTC including working at height, on and around heavy equipment, fire protection on and around towers and turbines, blade testing and weather and environmental related issues.

Requirements: Participants must be a US Citizen. Must present government issued photo identification upon arrival at the facility. Shoes must be closed toed and heel. No shorts permitted. Cameras and video recording devices are not permitted. Safety glasses and hard hats will be provided by facility.

MARRIOTT GAYLORD ROCKIES HOTEL & CONVENTION CENTER CONSTRUCTION PROJECT
TT5317 Tuesday, June 20, 9:30am – 12:00pm
TT6217 Wednesday, June 21, 9:30am – 12:00pm
The Marriott Gaylord Conference Center construction site tour will allow participants to observe the health and safety procedures and equipment for a large facility construction site that includes the use of tower cranes and representatives of all crafts typically involved in a large construction site. The site includes multi-story buildings, multi-level parking facilities and large convention buildings that will be used for various events such as the National Western Stock Show.

Requirements: Participants must wear substantial soled shoes with closed toed and heel, but steel-toed are not required. The remainder of the PPE will be provided at the site to include hard hats, reflective safety vest and safety glasses. Participants must be able to walk for more than 1 mile. Cameras and video recording devices are permitted.

ESP TECHNICAL TRAINING AND SERVICE FACILITY TOUR
TT5417 Tuesday, June 20, 2:15pm – 3:45pm
TT7117 Thursday, June 22, 9:00am – 10:30am
Participants will be able to view the outdoor technical training facility and equipment specifically regarding fall protection, gas detection, confined space entry, industrial rescue and fixed anchor testing verification program. Participants will hear and learn about how the ESS training staff incorporates performance based learning in all of its classes.

Requirements: Cameras and video recording devices are permitted.

DENVER ZOO SAFETY TOUR
TT6117 Wednesday, June 21, 9:30am – 11:00am
TT7217 Thursday, June 22, 9:30am – 11:00am
Participants will view a presentation in regards to safety procedures at the Denver Zoo followed by a walking tour of the zoo including a behind the scenes view of their safety protocols.

Requirements: Participants must wear closed toed shoes. Cameras and video recording devices are permitted.

NATIONAL RENEWABLE ENERGY LABORATORY (NREL) SOUTH TABLE MOUNTAIN (STM)
TT6317 Wednesday, June 21, 9:30am – 12:30pm
The National Renewable Energy Laboratory (NREL) is one of the leading research laboratories operated by the US Department of Energy. NREL develops renewable energy and energy efficiency technologies and practices, advances related science and engineering, and transfers knowledge and innovations to address America’s energy and environmental goals.

Attendees will see the Process Development Integration (PDIL) in the Science and Technology Facility, a world-class lab where industry and universities collaborate on advanced solar cell technologies and manufacturing methods. The next stop is the Integrated Biorefinery Research Facility (IBRF), which showcases NREL’s commitment to collaboration and meeting the nation’s biofuels development and deployment goals. Finally, attendees will view the Research Support Facility (RSF) the laboratory’s newest sustainable green building. This LEED platinum office building is a showcase for energy and renewable energy technologies.

Requirements: Participants must be a US Citizen. Must present a government issued photo identification upon arrival at the facility. Shoes must be closed toed and heel. No shorts permitted. Cameras and video recording devices are not permitted. Safety glasses will be provided by facility.

ENVIRONMENTAL NOISE ASSESSMENT AND MITIGATION FACILITY
TT6417 Wednesday, June 21, 1:15pm – 3:30pm
Participants will have an understanding of general acoustics, and an overview of various regulatory requirements and approaches to identify, evaluate and mitigate “noise” issues in the workplace. The tour will address worker exposure and operational impacts on others using safe and effective sound control systems, both temporary and permanent.

Requirements: No direct competitors permitted on the tour. Shoes should be closed toed and closed heel. No cameras or video recording devices are permitted.

Thanks to the ASSE Colorado Chapter for their help in organizing these tours.
THE BEST OSH EXPO
Advance your organization by connecting with 600 industry-leading exhibitors demonstrating the products and services that will take your programs to the next level. Whether you enjoy the energizing expo hall or prefer a one-on-one approach, you will find opportunities and solutions that fit you and your organization.

FLASH SESSIONS
Flash sessions will take place in various locations around the Exposition, where you will hear short bursts of information that will grab your attention, and convey key information while you visit the exhibits.

SUPER SESSIONS
Super Sessions will occur each day of the Exposition where some of the most popular sessions will be delivered to the Safety 2017 audience right on the Exposition floor.

PRODUCT SHOWCASE
The Product Showcase will greet Safety 2017 attendees as they enter the exhibit hall. Come see our exhibitors’ best and newest product ideas displayed in one place for optimal viewing. You can look, study, compare, and plan your visit to the exhibitors’ booths for more information and to place product orders.

HANDS-ON DEMONSTRATIONS
Highly interactive exhibitor demos will allow participants to experience and witness safety demonstrations in the Exposition. You will gain insight into best practices relating to today’s most important safety practices while learning about common pitfalls.

EXPO EDUCATION
Exhibitors will bring their insights and expertise to help provide solutions for OSH challenges. These sessions are integrated into the regular concurrent session program.

CUSTOMIZE YOUR EXPO EXPERIENCE
There is so much to choose from in the exposition hall. Visit our Virtual Expo now to research exhibitors, search by name, product category or country. You can even request meeting times to make your exposition experience more efficient. Visit safety.asse.org to view the ASSE Virtual Expo.

MOBILE APP
Safety 2017 showcases a comprehensive App that will list ASSE exhibiting companies. You can search for companies you want to visit or do business with.

ASSE RESOURCE CENTER
Plan to visit the ASSE Resource Center to network with ASSE staff and your peers, purchase the latest publications, standards and ASSE insignia items and so much more!

ASSE FOUNDATION RAFFLE
Stop by the ASSE Foundation booth for your chance to participate in a raffle, with a portion of the proceeds to support the Foundation Scholarship Program. You could walk away a winner!

EXPO HOURS
Monday, June 19 3:00PM - 5:30PM
Tuesday, June 20 9:00AM - 3:30PM
Wednesday, June 21 9:00AM - 3:00PM

KICK-OFF RECEPTION
Start your conference experience off right with our Kick-off Reception Monday at 3:00PM as we open the Exposition. This is a great opportunity to network with new people and reconnect with old friends.
SAFETY 2017 EXHIBITORS

WHAT TYPE OF EXHIBITORS WILL BE IN THE EXPO HALL?

- Air purification systems
- Back support equipment
- Cleaners and solvents
- Construction devices and aids
- Consultative services
- Detection devices (gas, vapors, etc.)
- Emergency life equipment
- Emergency signs and labels
- Environmental compliance
- Ergonomics
- Eye protection and eyewash station
- Face and head protection
- Fire protection
- First-aid supplies
- Floor products
- Footwear
- Hazardous materials control
- Health and wellness programs
- Hearing protection
- Incentive programs
- Monitoring devices
- Personal protective apparel and equipment
- Refuse collection systems
- Respirators and breathing apparatus
- Safety management programs
- Training and education programs

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3M
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ABUS USA
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Advanced Safety Engineering & Management, UAB
Air Systems International Inc.
Airgas, Inc.
ALERT Safety Products
AlertDriving
Alliant Corporation
American Traffic Safety Services Association
American Heart Association
The Andersen Company
Ansell
Aon Global Risk Consulting
Applications International Corporation
Argus-Hazco
ARI
Ariat International
Armor Guys
Art-Craft Optical
A-Safe
AUBIN Industries, Inc.
AuSuM Systems
AveryProducts Corp.
Avetta - formerly PICS
Axiom Medical Consulting, LLC
Baihoo Textiles Technology
Banom, Inc.
Batavia Services Inc.
Beagle 1, Inc.
Berne Apparel
BIG BILL FR
Blackline Safety
Black Stallion Industries
Bloomberg BNA
BlueMed
Board of Certified Safety Professionals (BCSP)
Bon-Mar
BOPLAN
Boss Manufacturing
SAFETY 2017 EXHIBITORS

Exhibitors as of December 7, 2016

Bosse Tools LLC
Bowen EHS, LLC.
Bradley Corporation
Brady Worldwide
BROWZ
BTE Technologies, Inc.
Buckingham Mfg. Co. Inc
Built Systems
Bullard
Bullay, LLC
BullEx
Bulwark Protective Apparel
Bureau Veritas
Business & Legal Resources
C3 Softworks
CarbonX
Cardiac Science, Inc.
Carhartt
Carnie Products LLC
Cartasite
Casella CEL, Inc.
Caterpillar Safety Services
Cementex Products, Inc.
Certified Safety Mfg.
Certified Occupational Safety Specialist
Chill Skinz
Chippewa Boots
Cinch WRX
Cintas Corporation
Cisco-Eagle, Inc.
ClickSafety.com
CLMI - Safety Training
CMC Rescue
Coaching Systems, LLC
Cobra Systems, Inc.
Columbia Southern University
Complete Equity Markets, Inc.
Compliance Solutions
CompiPOINT
Consentium Search LLC
ConstructSecure Inc.
Convergence Training
Cooling Vest by Maranda Enterprises
Cordova Safety Products
CORE Health Networks
Cornerstone Environmental, Health and Safety, Inc.
Cotral Lab Inc.
Creative Safety Supply
CrewSafe
Crisis Prevention Institute
Crowcon Detection Instruments
Crown Matting Technologies
CTEH, LLC
Culture Change Consultants, Inc.
Dakota Software Corp.
DataChem Software, Inc.
DEB USA
DEKRA Insight
Dentec Safety Specialists
Derma Shield
Diversified Safety
Dr. Scholl’s Work
Draeger Safety, Inc.
DuPont Protection Technologies
DuPont Sustainable Solutions
Dynamic Ear Company
E.A.R. Inc.
eCompliance
Edge Eyewear
Electrical Safety Specialists
Elk River, Inc.
Elvex Corporation
Encon Safety Products
ENMET
ERB Safety
ErectaStep
Ergo Advantage
Ergodyne
ErgoGenesis, LLC
ESIS Health, Safety and Environmental
Essilor Prescription Safety Eyewear
Etiflex Corp.
eTracker
Evolved Safety LLC
Exametrix, Inc.
Fall Protection Systems
Fastenal Company
Flare Alert
Flexbar
Footwear Specialties International
FrenchCreek Production, Inc.
SGS Galson
Garlock Safety Systems
Gas Clip Technologies
Gates Corporation
Gateway Safety, Inc.
Genuine First Aid
Gerson Company
GFG Instrumentation, Inc.
GlenGuard
Global Glove & Safety Mfg. Inc.
Glove Guard LP
Gorbel Inc.
Grainger
Gravic, Inc.
Gravitec Systems
Great More Yield International Co., LTD
Guardair Corporation
Guardian Equipment
Guard-Safe Guarding
GVS North America
Hafco
Hammerhead Industries, Inc.
Hawaiian Moon
Haws Corporation
Health & Safety Institute
The HearSafe Group
HeartSafe America, Inc.
Helly Hansen, Inc.
HexArmor
Hilco
HJLite
HOFs
Humantech
Hy-Safe Technology
Hytest Safety Footwear
IceAlert, Inc.
IFO Group
Impacto Protective Products Inc.
Industrial Scientific
Industrial Cutting Tools
ISHN
Industrial SunScreen
IndustrySafe - A Product of TRA, Inc.
INNOLITE
Innolytics, LLC
Innovative Access Solutions
InspectAll
InstantCard
Intelex Technologies
Intelligent Traffic Equipment Marketing Ltd.
Interactive Safety Products, Inc.
Intrepid Industries Inc.
ION Science
ISN
JJ Keller & Associates
JLG Industries
Jofemar USA, Inc.
Justin Original Workboots
Justrite Manufacturing Co. LLC
Kappler Inc.
KASK America
Kee Safety, Inc
KEEN Utility
KeepSafe, Inc.
Kelley Technical Coatings
Kestrel Management
Keytroller, LLC
Kirk Key Interlock
Klever Innovations
Koolin’ Kloths, Etc.
KPA
Krause Bell Group
KTR Associates
Lakeland Industries
LAPCO Manufacturing
Leading Edge Safety
LeHigh Outfitters
Lewellyn Technology
Lewis Safety Knife Co.
LFS Glove
Liberty Glove & Safety
Liberty Mutual Insurance
Little Giant Ladders
LJB Inc.
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Machine Guard & Cover
Magid Glove & Safety
**Majestic Glove**
Malta Dynamics
Man Lift Mfg. Co.
Mancomm, Inc.
Marcom Group, Ltd.
Martin Technical
Martor USA
Master Lock Company LLC
Maxland Sportswear Industrial Co., Ltd.
MCR Safety
Mechanix Wear
Medgate
MEGAComfort Inc.
Mellow Walk Footwear
Meltric Corporation
Miller Electric Mfg. Co.
Mobile Inspection
Moldex-Metric, Inc.
Motion Industries
Mount Vernon Mills
Mountain and Plains ERC
MPS Centurion
MPUS Inc.
MR. CHAIN
**MSA**
MSC Industrial Supply
Nasco Industries, Inc
NMC - National Marker Company
National Safety Apparel
National Vision, Inc.
National Safety Council
Neese Industries, Inc.
New Pig Corporation
Newson Gale
Nightstick by Bayco Products Inc.
NJ & Associates, Inc.
NorFab Corporation
North American Safety Products, Inc.
No Slippin Way
Notrax - Mats for Professional Use
NWI Global

Occupational Health & Safety
OHD, Inc.
OneLook Systems
Orr Safety Corporation
OSHA Training Institute Education Centers
Pacific Handy Cutter, Inc.
PAFtec Australia Pty Ltd
Pelsue
PenSafe
Petzl America
Physio-Control, Inc.
Pigeon Mountain Industries, Inc.
(PMI)
Portwest LLC
Power Breezer / Breezer Holdings
Power Pusher, Division of Nu-Star, Inc.
Predictive Solutions
Princeton Tec
Prism Lighting Services, LLC
ProcessMAP Corporation
ProLogistix
ProtectEar USA, Inc.
Protective Industrial Products
PS DOORS
Public Risk Management Assn.
Pulpstream
Pyramex Safety Products
R2X Inc.
Rack Armour
Radians Inc.
Rasco FR
Red Wing Brands of America
RegScan, Inc.
Reliance Fall Protection
Rigid Lifelines
Ringers Gloves
Risk Control Technologies
Rockford Systems LLC
Roco Rescue
Rooftop Anchor, Inc.
Safeguard Technology
SAFEmap International
**SafeStart**
Safetec
Safety Management Systems, Inc
Safety One Training International, Inc.
Safety Rail Company
SafetyPlusWeb
SafetySkills
SafeVision, LLC
SAS Safety Corp.
Saudi Aramco
Scaffolding Training Institute
Scantron Corp.
Scott Safety
SDSpr
Select International
Sempermed USA
Sensidyne, LP
Shoes For Crews
SHOWA
Simple But Needed
SiteHawk
SIX Safety Systems Inc
Skechers
Skillsoft Compliance Solutions
SKYLOTEC N.A., LP
SlipNOT Metal Safety Flooring
SoloProtect
SPAN Safety Workshops
SPC Industrial
Speakman Company
spokenHere Communications
Sportex Safety
SRmax Slip Resistant Shoes
STABIL
Steel Blue
Streamlight Inc.
Superior Glove Works Ltd.
SuperVision
Survive-a-Storm Shelters
SW Safety Solutions Inc.
System Improvements/TapRooT™
**TAPCO (Traffic & Parking Control)**
Task Gloves Corp
Tec Laboratories
Techs4Biz - Pervidi Software
Tech Safety Lines, Inc.
TenCate Protective Fabrics

The University of Findlay
Tingley Rubber Corporation
T K Group, Inc.
Topps Safety Apparel, Inc.
Towa Corporation
Traffic Logix
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Visit [www.asse.org/standards](http://www.asse.org/standards) for more information.

<table>
<thead>
<tr>
<th>TUESDAY, JUNE 20</th>
<th>10:45AM-11:45AM</th>
</tr>
</thead>
<tbody>
<tr>
<td>518</td>
<td>How to Understand and Interpret ANSI Z359.2 to Develop a Fall Protection Program</td>
</tr>
<tr>
<td>519</td>
<td>Highlights of the Newly Released ASSE/ANSI Z244.1 Lockout Standard</td>
</tr>
<tr>
<td>520</td>
<td>ISO/ANSI/ASSE 45001 Forum - Significant and Future Impact on Safety</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TUESDAY, JUNE 20</th>
<th>1:00PM-2:00PM</th>
</tr>
</thead>
<tbody>
<tr>
<td>527</td>
<td>Armoring the Workforce - Advances in PPE Design</td>
</tr>
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<table>
<thead>
<tr>
<th>TUESDAY, JUNE 20</th>
<th>3:15PM-4:15PM</th>
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<tbody>
<tr>
<td>558</td>
<td>Respiratory Protection Programs - Let the Standard Work for You</td>
</tr>
<tr>
<td>566</td>
<td>Scaling an Occupational Safety Management System for Small and Medium Sized Organizations</td>
</tr>
</tbody>
</table>

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<tr>
<th>TUESDAY, JUNE 20</th>
<th>4:30PM-5:30PM</th>
</tr>
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<tbody>
<tr>
<td>594</td>
<td>OSHA’s Enforcement and Significant Changes in the 2015 NFPA 70E</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WEDNESDAY, JUNE 21</th>
<th>10:30AM-11:45AM</th>
</tr>
</thead>
<tbody>
<tr>
<td>604</td>
<td>New ANSI &amp; OSHA Confined Space Safety Standards - Host vs. Contractor Employers</td>
</tr>
<tr>
<td>605</td>
<td>The Exciting New ISO14001: 2015 EMS Standard &amp; Successful Registration Case Study</td>
</tr>
<tr>
<td>619</td>
<td>Understanding the Proper Fall Protection Methods for Aerial Lifts</td>
</tr>
<tr>
<td>620</td>
<td>Establishing an Effective Electrical Safety Program: Requirements &amp; Approaches</td>
</tr>
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<td>622</td>
<td>Zero Gravity: Safety Solutions for the Communication Tower Workforce</td>
</tr>
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<th>WEDNESDAY, JUNE 21</th>
<th>3:00PM-4:15PM</th>
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</thead>
<tbody>
<tr>
<td>628</td>
<td>Preparing and Practicing for a Successful Failure Using NFPA 1600</td>
</tr>
<tr>
<td>643</td>
<td>Prevention Through Design Goes Virtual: A Case Study</td>
</tr>
<tr>
<td>644</td>
<td>CSB Investigation: Williams Olefins Geismar Plant Reboiler Rupture and Fire</td>
</tr>
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<th>WEDNESDAY, JUNE 21</th>
<th>4:30PM-5:30PM</th>
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<tbody>
<tr>
<td>656</td>
<td>New Tools for an Emerging Issue: How ANSI/ASSE Z-10 can Help with Indoor Air Quality (IAQ) Problems</td>
</tr>
<tr>
<td>661</td>
<td>Pedestrian Slip Safety: A Guide for Busy Professionals</td>
</tr>
<tr>
<td>662</td>
<td>How to Use ISO 45001 to Get H&amp;S Risk Management on Your Main Business Agenda</td>
</tr>
<tr>
<td>668</td>
<td>Personal Fall Arrest System: Achieving the Right Fit; A Human Factors View</td>
</tr>
<tr>
<td>672</td>
<td>Key Issue Roundtable Workshop: Best Practices &amp; Hurdles Implementing EHS-Related ISO Programs</td>
</tr>
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<tr>
<th>THURSDAY, JUNE 22</th>
<th>7:45AM-9:00AM</th>
</tr>
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<tbody>
<tr>
<td>719</td>
<td>ANSI/ASSE Z359 Fall Protection and Restraint Forum</td>
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<thead>
<tr>
<th>THURSDAY, JUNE 22</th>
<th>11:00AM-12:00PM</th>
</tr>
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<tbody>
<tr>
<td>737</td>
<td>Risk Communication: A Critical Component in Achieving ISO 45001 Objectives</td>
</tr>
<tr>
<td>743</td>
<td>Prevention through Planning: Work at Height</td>
</tr>
<tr>
<td>744</td>
<td>NFPA 350 Guide for Safe Confined Space Entry and Work</td>
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REFER-A-FRIEND

Encourage your colleagues and peers to attend Safety 2017 to take advantage of distinguished speakers and strategic sessions covering emerging topics and trends. They will benefit from the outstanding educational and networking opportunities, and you will have the opportunity to earn rewards!

For each person you refer, who has never attended our conference, your name will be entered into a drawing to win an iPad Mini. Winner announced the morning of Thursday, June 22nd.

REFER 2-3 PEOPLE AND RECEIVE ALL THESE PRIZES:

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• Safety 2017 t-shirt
• Reserved seating at Tuesday & Wednesday lunches
• 2 tickets to the Rockies/Diamondback MLB game on Tuesday, June 20th at 6:40PM

Visit safety.asse.org for more information on how to participate.
POLICIES & PROCEDURES

REGISTRATION
Take advantage of the early bird discounts by registering on or before March 15, 2017. Registrations that are postmarked by June 9 will be confirmed. June 10 and later, please call to register at +1.847.699.2929.

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

GROUPS SAVE
Bring eight or more colleagues from your company and save on the entire conference. The more attendees you have, and the earlier you register, the more you save! Have a company representative call one of our Group Coordinators today for more details:
Nancy O’Toole +1 847-768-3466 notoole@asse.org
Tom Kerschner +1 847-768-3446 tkerschner@asse.org
Note: Groups must be registered by June 9, 5:00 pm CST. If the number of cancellations brings the group size down to a lower discount level, each registrant will be billed the difference between the discount already paid and the next discount level fee.

SUBSTITUTIONS
Need to substitute one person for another? Please submit substitutions in writing by May 15 to customerservice@asse.org or fax to +1.847.768.3434. If pricing for the new attendee changes the total cost of attending the conference, you will be charged or refunded for the difference in fees. After May 15 an $85 substitution fee will apply. Substitutions after June 9 will be handled onsite.

CANCELLATIONS
Full refunds (yes, that’s right!) will be granted to written requests received by May 5 via email to customerservice@asse.org or fax to +1.847.768.3434. Cancellations received in writing between May 6 and May 26 will be assessed the following cancellation fees: Conference $295; Pre and Post Conference Seminars/Workshops $100 per course. Cancellations received after May 26 will forfeit refunds in their entirety. Refunds will not be issued for any missed sessions or events (Technical tours, luncheons, etc.), including missed sessions or events due to travel delays or cancellations. No refunds will be given for the Night Out after April 30. We are unable to accept cancellations over the phone. Cancellation notifications must be submitted in writing.

GOVERNMENT
A completed government purchase order or training authorization form must accompany your registration form if not paid in full at the time of registration. However, this is not considered payment. Your registration will have a balance due until full payment is received. Registrations received without a PO or training authorization form will be returned.

NON-MEMBER STUDENTS
In order to qualify for the non-member student rate, you must be able to demonstrate that you are carrying 15 or more credit hours as an under-graduate in a full-time capacity at a university or college, and not be employed full-time in the safety, environment or health fields.

PHYSICALLY CHALLENGED
Whenever possible, arrangements will be made for physically challenged, those with dietary restrictions or allergies provided 90 days written notice. Please include a letter of explanation, your name and phone number, and attach to the registration form. We will contact you to further discuss details.

EXPOSITION
If you only have one day to visit the exhibits, we have a one-day only exposition pass that is available at ASSE onsite registration for $100. Advance purchase is not available.

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

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. Please review the program book onsite for changes.

INTERNATIONAL REGISTRANTS
LETTER OF INVITATION
ASSE offers an official letter of invitation for Safety 2017 attendees. The visa letter of invitation, though not required for the visa application, can assist as a supporting document. Present this letter of invitation from ASSE to the U.S. Consular Officer during the visa interview. This letter by no means guarantees admittance into the U.S., but can provide compelling evidence for immigration officials to consider. Please note that ASSE cannot intervene with either the U.S. embassies abroad or with the U.S. State Department on behalf of any participant.

To receive a customized letter, submit an email to: customerservice@asse.org
Please include:
1. Your ASSE member number, if applicable
2. Full name as it is written in your passport following this format: First name/Given name, Middle name or Middle initial, Last name/Family name/Surname
3. Job title
4. Company name
5. Proper mailing address
6. Proper email
Please also include your proper salutation (choose one of the following: Mr., Ms., Mrs., or Dr.).

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3. Job title
4. Company name
5. Proper mailing address
6. Proper email
Please also include your proper salutation (choose one of the following: Mr., Ms., Mrs., or Dr.).
SAFETY 2017 REGISTRATION FORM

Please print or type. Register on-line at safety.asse.org or complete this form and fax to +1.847.768.3434 or mail with full payment to ASSE, 33477 Treasury Center, Chicago, IL USA 60694-3400. Register on or before 3/15/2017 and save!

STEP 1  CONTACT INFORMATION

ASSE Member # __________  □ Non-Member

Designations (Maximum 2)  □ ARM  □ ASP  □ CET  □ CHMM  □ CHST  □ CIH  □ CSP  □ GSP  □ OHST  □ P.E.  □ STS  □ __________

Please fill out the following information as you want it to appear on your badge and registration confirmation.

Full Name_____________________________________________________________    First Name on Badge __________________________

Title _________________________________________________________________    Organization _______________________________

Mailing Address:  □ Home  □ Business

City_________________________    State/Province ________________    Zip/Postal Code ________________    Country _________________

Business Phone _________________________    Fax _________________________    Email ________________________________

□ Check here if you do not want email address to be included in your bar coded information used in the exhibit hall.

STEP 1A  REGISTRATION

(Check the applicable box and enter amount due in the far right column)

<table>
<thead>
<tr>
<th></th>
<th>Early Rate Postmarked on or before 3/15/2017</th>
<th>Regular Rate Postmarked 3/16/2017-5/1/2017</th>
<th>Late Rate 5/2/2017-6/16/2017</th>
<th>Onsite 6/17/2017-6/22/2017</th>
<th>Amount Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>Member</td>
<td>$675</td>
<td>$795</td>
<td>$835</td>
<td>$885</td>
<td>$</td>
</tr>
<tr>
<td>Non-Member</td>
<td>$840</td>
<td>$960</td>
<td>$990</td>
<td>$1040</td>
<td>$</td>
</tr>
<tr>
<td>Student Member*</td>
<td>$35</td>
<td>$35</td>
<td>$50</td>
<td>$50</td>
<td>$</td>
</tr>
<tr>
<td>Student Non-Member*</td>
<td>$125</td>
<td>$135</td>
<td>$145</td>
<td>$145</td>
<td>$</td>
</tr>
<tr>
<td>Emeritus</td>
<td>$225</td>
<td>$255</td>
<td>$285</td>
<td>$285</td>
<td>$</td>
</tr>
<tr>
<td>One Day Tuesday</td>
<td>$465</td>
<td>$525</td>
<td>$565</td>
<td>$565</td>
<td>$</td>
</tr>
<tr>
<td>One Day Wednesday</td>
<td>$465</td>
<td>$525</td>
<td>$565</td>
<td>$565</td>
<td>$</td>
</tr>
<tr>
<td>One Day Thursday</td>
<td>$465</td>
<td>$525</td>
<td>$565</td>
<td>$565</td>
<td>$</td>
</tr>
<tr>
<td>Government Rate**</td>
<td>$695</td>
<td>$815</td>
<td>$860</td>
<td>$910</td>
<td>$</td>
</tr>
</tbody>
</table>

*To qualify for student member and non-member rate you must be able to demonstrate you are carrying 15 or more credits in a full-time capacity at a university or college, and not be employed full time in the OSH field.

**Only full time local, state or federal government employees eligible; vendors and sub-contractors not eligible.

Subtotal for Step 1A ................................................................. $___________

STEP 1B  GROUP REGISTRATION – Group pricing deadline 5/1/2017 for regular rates. See page 58 for information on sending a company group.

Group Code ______________________ (provided by ASSE)

Group Rate (per person) $___________

<table>
<thead>
<tr>
<th>Group Registration</th>
<th>Early Rate Postmarked on or before 3/15/2017</th>
<th>Regular Rate Postmarked 3/16/2017-5/1/2017</th>
<th>Late Rate 5/2/2017-6/16/2017</th>
<th>Onsite 6/17/2017-6/22/2017</th>
<th>Amount Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>8-19 people from same company</td>
<td>$655</td>
<td>$775</td>
<td>$815</td>
<td>$865</td>
<td>$</td>
</tr>
<tr>
<td>20-35 people from same company</td>
<td>$635</td>
<td>$755</td>
<td>$795</td>
<td>$845</td>
<td>$</td>
</tr>
<tr>
<td>36-59 people from same company</td>
<td>$605</td>
<td>$725</td>
<td>$765</td>
<td>$815</td>
<td>$</td>
</tr>
<tr>
<td>60-90 people from same company</td>
<td>$575</td>
<td>$685</td>
<td>$725</td>
<td>$775</td>
<td>$</td>
</tr>
</tbody>
</table>

Subtotal for Step 1B $___________

Subtotal for Step 1A / 1B ................................................................. $___________

STEP 2  SELECTION OF CONCURRENT EDUCATIONAL SESSIONS – List in the boxes below one session number per time period. Titles and session numbers can be found in this brochure. NOTE: This is to aid in determining room sizes and is not a guaranteed seat.

<table>
<thead>
<tr>
<th>Tuesday</th>
<th>Tuesday</th>
<th>Tuesday</th>
<th>Tuesday</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:45AM-11:45AM</td>
<td>1:00PM-2:00PM</td>
<td>3:15PM-4:15PM</td>
<td>4:30PM-5:30PM</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Wednesday</th>
<th>Wednesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Thursday</th>
<th>Thursday</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30AM-11:45AM</td>
<td>3:00PM-4:15PM</td>
<td>4:30PM-5:30PM</td>
<td>7:45AM-9:00AM</td>
<td>11:00AM-12:00PM</td>
<td>1:45PM-2:45PM</td>
</tr>
</tbody>
</table>

Registration Policies and Procedures can be found on page 58.
## SAFETY 2017 REGISTRATION FORM

### STEP 3  PRE AND POST CONFERENCE SEMINARS – For seminar names and codes see page 38

<table>
<thead>
<tr>
<th>Early Rate Postmarked on or before 3/15/17</th>
<th>Regular Rate Postmarked 3/16/17-5/1/17</th>
<th>Late Rate 5/2/17-6/16/17</th>
<th>Onsite 6/17/17-6/22/17</th>
<th>Amount Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>One-Day – June 16, 18 or 19</td>
<td>Member $315</td>
<td>Member $365</td>
<td>Member $385</td>
<td>Member $410</td>
</tr>
<tr>
<td></td>
<td>Non-member $380</td>
<td>Non-member $415</td>
<td>Non-member $430</td>
<td>Non-member $455</td>
</tr>
<tr>
<td>Two-Day – June 16-17, 18-19</td>
<td>Member $575</td>
<td>Member $625</td>
<td>Member $650</td>
<td>Member $675</td>
</tr>
<tr>
<td></td>
<td>Non-member $625</td>
<td>Non-member $675</td>
<td>Non-member $700</td>
<td>Non-member $725</td>
</tr>
<tr>
<td>Three-Day – June 16-18 &amp; 17-19</td>
<td>Member $660</td>
<td>Member $710</td>
<td>Member $735</td>
<td>Member $760</td>
</tr>
<tr>
<td></td>
<td>Non-member $710</td>
<td>Non-member $760</td>
<td>Non-member $785</td>
<td>Non-member $810</td>
</tr>
<tr>
<td>June 17-19 238 Advanced Safety Management Methods</td>
<td>Member $725</td>
<td>Member $775</td>
<td>Member $825</td>
<td>Member $850</td>
</tr>
</tbody>
</table>

**Subtotal for Step 3 ................................................................................................................................. $___________**

### STEP 4  RECORDINGS

<table>
<thead>
<tr>
<th>Early Rate through 3/15/2017</th>
<th>$99</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regular rate 3/16/2017 - 5/1/2017</td>
<td>$149</td>
</tr>
<tr>
<td>Late Rate 5/2/2017 - Onsite</td>
<td>$199</td>
</tr>
</tbody>
</table>

**Subtotal for Step 4 ................................................................................................................................. $___________**

### STEP 5  LUNCHES

<table>
<thead>
<tr>
<th>Tuesday, June 20</th>
</tr>
</thead>
<tbody>
<tr>
<td>L05 Conference Luncheon</td>
</tr>
<tr>
<td>L05C Chapter Recognition Luncheon</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Wednesday, June 21</th>
</tr>
</thead>
<tbody>
<tr>
<td>L06 Conference Luncheon</td>
</tr>
<tr>
<td>L06C Practices and Standards Luncheon</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Thursday, June 22</th>
</tr>
</thead>
<tbody>
<tr>
<td>LP717 Conference Luncheon/Program – Fee $45 (Onsite Fee $50)</td>
</tr>
</tbody>
</table>

**Subtotal for Step 5 ................................................................................................................................. $___________**

### STEP 6  CHAPTER NIGHT OUT – See page 27 for more details.

<table>
<thead>
<tr>
<th>Wednesday, June 21</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO6 Chapter Night Out</td>
</tr>
</tbody>
</table>

**Subtotal for Step 6 ................................................................................................................................. $___________**

### STEP 7  TECHNICAL TOURS – Conference attendees are permitted to register for only one educational tour. See page 52 for full details.

<table>
<thead>
<tr>
<th>Tour Date</th>
<th>Tour Number</th>
<th>Tour Name</th>
<th>Amount Due</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>$___________</td>
</tr>
</tbody>
</table>

**Subtotal for Step 7 ................................................................................................................................. $___________**

### STEP 8  WISE RETREAT AND GOLF OUTING

Check the appropriate number and enter amount due in the far right column.

<table>
<thead>
<tr>
<th>Early Rate Before 5/2/17</th>
<th>Regular Rate After 5/2/17</th>
<th># of Attendees</th>
<th>Amount Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>WISE Member</td>
<td>$125</td>
<td></td>
<td>$150</td>
</tr>
<tr>
<td>Non-Member</td>
<td>$125*</td>
<td></td>
<td>$150*</td>
</tr>
</tbody>
</table>

**Subtotal for Step 8 ................................................................................................................................. $___________**

### STEP 9  ACADEMIC FORUM/ABET WORKSHOP

To attend the Academic Forum, you must be a registered conference attendee AND either a full-time faculty member of a recognized accredited college or university and/or a member of the ASSE Academics Practice Specialty.

<table>
<thead>
<tr>
<th>Monday, June 19</th>
</tr>
</thead>
<tbody>
<tr>
<td>400 Academic Forum/ABET Workshop</td>
</tr>
</tbody>
</table>

**Subtotal for Step 9 ................................................................................................................................. $___________**

### STEP 10  STUDENT ROUNDTABLE PROGRAM

<table>
<thead>
<tr>
<th>Wednesday, June 21</th>
</tr>
</thead>
<tbody>
<tr>
<td>600 Student Roundtables-Safety Talks</td>
</tr>
</tbody>
</table>

**Subtotal for Step 10 ................................................................................................................................. $___________**

### STEP 11  METHOD OF PAYMENT – Full Payment required with registration.

<table>
<thead>
<tr>
<th>Visa</th>
<th>MasterCard</th>
<th>American Express</th>
<th>Discover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check # (payable to ASSE, in U.S. Funds on U.S. Bank)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Grand Total (Steps 1, 3, 4, 5, 6, 7, 8) ........................................................................................................... $___________**
ASSE’S SAFETY 2017 OFFICIAL HOTELS

<table>
<thead>
<tr>
<th>Hotel Name</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crowne Plaza Denver Downtown</td>
<td>$199</td>
</tr>
<tr>
<td>Denver Marriott City Center</td>
<td>$229</td>
</tr>
<tr>
<td>Embassy Suites Denver - Downtown Convention Center</td>
<td>$245</td>
</tr>
<tr>
<td>Grand Hyatt Denver</td>
<td>$249</td>
</tr>
<tr>
<td>Hilton Garden Inn Denver Downtown</td>
<td>$219</td>
</tr>
<tr>
<td>Hyatt Regency Denver at Colorado Convention Center</td>
<td>$249</td>
</tr>
<tr>
<td>Renaissance Denver Downtown City Center</td>
<td>$242</td>
</tr>
<tr>
<td>Sheraton Denver Downtown</td>
<td>$235</td>
</tr>
</tbody>
</table>

Visit safety.asse.org for a full list of official hotels and shuttle schedule. Note: More hotels may be added at a later date. Reservation Deadline: May 24, 2017

Please Note: onPeak is the only official housing company associated with ASSE’s Safety 2017 Conference & Exposition. While other hotel resellers may contact you offering housing for your trip, they are not endorsed by or affiliated with ASSE and entering into financial agreements with such companies can have costly consequences. ASSE and onPeak will not be able to assist you if you book outside of the ASSE hotel block and transportation to Safety 2017 will not be available. Please check the ASSE website for full details as complimentary shuttle service may be subject to change.

Government Rated Rooms: Hotels have limited quantities of government rated rooms based on availability at the time of booking. Rates do not include current tax of 16% and fees, subject to change.

A small portion of the hotel rates listed above include a housing fee which covers administrative fees.
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