

2019
CHICAGOLAND

**SAFETY, HEALTH &
ENVIRONMENTAL CONFERENCE**

Training EHS Professionals Since 1988



September 16-19, 2019

www.ChiSafetyConf.org

PROFESSIONAL TRAINING:

- **Environmental Management**
- **General Safety**
- **Industrial Hygiene**
- **OSHA Compliance**
- **Professional Development**



Hygieneering, Inc.
Environmental, Health and Safety Consulting Services



Daily Herald The Business Resource for Suburban Chicago
BUSINESS LEDGER



Northern Illinois
University



ABOUT THE CONFERENCE

The Chicagoland Safety, Health & Environmental Conference is for professionals who have responsibilities related to safety, health, training, and environmental management. Other key personnel such as owners, managers, supervisors, safety committee members, human resource managers, municipalities, and others are encouraged to attend.

Attendees will enjoy:

- Dynamic conference workshops and sessions
- Knowledgeable speakers providing current, timely and relevant information
- Basic, Intermediate and Advanced level training sessions
- Wednesday Business EXPO featuring great products and services followed by an evening social with hors d'oeuvres and drinks
- Continental breakfast, lunch & snacks are provided each day

The exhibit area is free to the participants

Conference is co-sponsored by:

- Chicago Local Section of AIHA
- Chicago Chapter - AHMP
- Greater Chicago Chapter - ASSP
- Northeastern Illinois Chapter - ASSP
- Three Rivers Chapter - ASSP

Planned in Association with:

- Occupational Safety & Health Administration
- Northern Illinois University, National Safety Education Center

Travel Information:

Hotel and travel information can be found on the conference website at:

**www.ChiSafetyConf.org or
www.visitnaperville.com or
www.niu.edu/regional/naperville
www.discoverdupage.com**

Continuing Education Credits (CEU's) Information:

Check website for requirements and information.

Speaker Information & Session Descriptions:

The description for offered workshops and sessions and presenter information is available at:

www.ChiSafetyConf.org

Business EXPO Exhibitor Information for September 18, 2019:

The Exhibitor Packet is available at **www.ChiSafetyConf.org**. Register early for an EXPO booth and save money!

Battery Recycling:

Bring in your used small consumer alkaline, NiCd, NiMH and lithium batteries (taped at both ends), and drop them into the recycling boxes at registration, compliments of Veolia North America.

KEYNOTE SPEAKER: Dr. Julius Rhodes, Founder and Principal of the MPR Group

Thursday, September 19, 2019 at Lunch



The title of this year's Keynote Address by Julius Rhodes is ***You've Been Charged***. His audience interactive presentation examines how we should consistently represent ourselves to stakeholders, what our standards of excellence say to others and how our personal and professional brand impacts our ability to gain support for our vital work.

Mr. Rhodes is the Founder and Principal of the mpr group (www.mprgroup.info) and has been a successful business owner and EHS professional for 25 years. He graduated from Roosevelt University, Loyola University, has completed a certified arbitrator development program through Cornell University, completed his coursework towards a Ph.D at Loyola University and is an adjunct instructor at the Milwaukee School of Engineering. He authored two books, *Brand: You: Personal Branding for Success in Life and Business*, and *Brand YOU The Workbook*, is a lifetime Senior Professional in Human Resources and has spoken internationally and nationally on a wide range of topics. He also knows the realities faced by safety professionals and truly believes that safety professionals save lives. He is a past conference attendee and we are pleased to welcome him back as he shares his knowledge and experiences.

2019 Chicagoland Safety, Health & Environmental Conference / Event #16393

Monday, September 16, 2019

M O N D A Y	Session ID	8:30 - 10:00	Session ID	10:15 - 11:45	Session ID	1:15 - 2:45	Session ID	3:00 - 4:30
	M1	OSHA 10 Hour Brent Bryden						
	M2	Fire Code 101: Navigating Application Requirements for Safety Professionals Jim Jaracz			M13	Managing Respiratory Protection Programs Dennis Terpin		
	M3	Environmental Compliance 101 for Safety Managers Jessica Black	M8	New Rules for Waste Pharmaceuticals Cara Sigmaga	M14	Smart Labs at Argonne: Safety & Energy Sustainability Catherine Hurley & Nicky Silvestri	M19	Building the Winning Ergonomics Team Timothy Pottorff
	M4	Mental Focus Training for the Industrial Worker James McGovern	M9	OSHA Recordkeeping John Newquist	M15	Work Comp Case Management at the Employer Level Roger Holdeman	M20	Opioid Crisis in America. How did we get here? Where do we go? Richard Jorgensen
	M5	Temporary Workers: Your people in the eyes of OSHA Rick Grobart	M10	Advanced Laboratory Safety Dennis Terpin	M16	Aerial Lifts: Keeping 'em Upright! Charlie Vasconez	M21	Dropped Object Prevention Heidi Lopez-Hidalgo
	M6	Until Automation Does it All - Do Something NOW to Protect Workers Jim Galante	M11	Roof Top Fall Protection and Building Anchors Heidi Lopez-Hidalgo	M17	Challenging the Inactivity Epidemic Through Proactive Exercise Interventions Jon Kabance	M22	Enhancing EH&S with Connected, Real-time Measurements Greg Olson
	M7	Incident Investigation: Tips and Tricks Don Phillips	M12	Lessons Learned from Disaster Planning: Analysis of Natural Disaster Flooding Impact on Chemical Facilities in the United States Dr. Apostolis (Paul) Sambanis	M18	Machine Guarding Update Roger Harrison	M23	Over the Road and Down the Aisle. Keeping your Truck and Forklift Drivers Safe Julie DeBacker & Deanna Polle

Check Box for Sessions Attending

Note: OSHA 10 Hour is Sessions M1 & T2

M1	☐
M2	☐
M3	☐
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M5	☐
M6	☐
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M22	☐
M23	☐

THANK YOU SPONSORS AND SUPPORTERS

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Ergonomic Assist Systems & Equipment (EASE)

Illinois Manufacturers' Association
Three Rivers Manufacturers' Association
Valley Industrial Association

Name:	Date Submitted:
Company:	

2019 Chicagoland Safety, Health & Environmental Conference / Event #16393

Tuesday, September 17, 2019

T U E S D A Y	Session ID	8:30 - 10:00	Session ID	10:15 - 11:45	Session ID	1:15 - 2:45	Session ID	3:00 - 4:30
	T1	Advanced Trainer Techniques Cynthia Braun						
	T2	OSHA 10 Hour Brent Bryden			T13	Capabilities & Limitations of Gas Detection Instruments for Unidentified Substances Salvatore Cali		
	T3	Slips, Trips & Falls Don Phillips	T8	Who's In The House: Is there Validity to Post Offer Testing Tracy Hicks	T14	OSHA Regulations and ASTM Specifications for the Inspection, Testing and Care of Rubber Insulating Products Richard A. Rivkin	T19	The Shocking Need for Electrical Safety & Protecting the Product that Protect You Richard A. Rivkin
	T4	Introduction to OSHA for Small Businesses Mike Serpe	T9	OSHA Machine Guarding - Prevention of Amputation Mike Serpe	T15	OSHA Combustible Dust Hazards and Prevention Measures Mike Serpe	T20	OSHA Inspections Mike Serpe
	T5	Introduction to PCBs Martin Hamper	T10	RCRA Annual Refresher Training Martin Hamper	T16	SBA Funding 101: What you need and when you need it Don Pellico	T21	How to create a safety training from scratch Chris Ballman
	T6	Organizational Development Candance Fisher	T11	OSHA Update Jacob Scott & Candra Jefferson	T17	Cultivating a Zero Incident Safety Culture Raco Lownes	T22	On-site physical therapy: an integral component to reduce WC costs, long- term reduction in injuries and total absenteeism Aaron Kraai
	T7	Managing Your Company's Greatest Asset: Health Aaron Perez	T12	Electrical Safety Jon Koppari	T18	Developing Safety Leaders Jay Jaros	T23	Cyber Security for Business Brian Berglund & Steven Kroiss

✓ Check Box for Sessions Attending

Note: OSHA 10 Hour is Sessions M1 & T2

T1	☐
T2	☐
T3	☐
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T6	☐
T7	☐

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T13	☐
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T18	☐

T19	☐
T20	☐
T21	☐
T22	☐
T23	☐

THANK YOU SPONSORS AND SUPPORTERS

U.S. Small Business Administration
National Federation of Independent Business (NFIB)
National Safety Education Center
Latino Workers Safety Center
Construction Safety Council
Construction Industry Service Corporation (CISCO)

Name:	Date Submitted:
Company:	

2019 Chicagoland Safety, Health & Environmental Conference / Event #16393

Wednesday, September 18, 2019

W E D N E S D A Y	Session ID	8:30 - 10:00	Session ID	10:15 - 11:45	Session ID	1:15 - 2:45	Session ID	3:00 - 4:30
	W1	Aligning EHS & Sustainability and Gaining C-Suite Buy-In Todd Fein	W8	Office Ergonomics Jim Panozzo	W15	Sport vs. Industrial Athlete: Physical Demands and Successful Risk Control Brock Anderson	W22	The Use of Telemedicine for Triage and Decreasing Musculoskeletal Claims and Dollars Melissa Gill
	W2	Leadership and Engagement: The Pathway to Health & Safety Excellence W.E Scott	W9	Adaptive WorkForce Ergonomics Dan Minnich & Vince Catteruccia	W16	A Star is Born!?: How to Avoid Becoming the Star Witness for the Opposing Side After an Environmental Incident Tony Hopp	W23	Electrical Hazards in the Workplace
	W3	Trends in Safety- Holistic Look at Safety, Key Drivers, Generational differences and strategies for enhancing learner participation Drew Garverick & Donald D. Elswick	W10	Working High: Navigating Safety with New Marijuana Laws Carlos Galindo & Katie Johnson	W17	Vetting Safety Policies Jeffrey Moran	W24	Early Intervention: Make the Pain Go Down the Drain with Telemedicine Julie DeBacker & Deanna Polle
	W4	Marijuana and the Workplace: Employer Civil & Regulations- Liabilities & Recommendations Mark Lies	W11	Safety through the Gift of GAB (Goals, Attitude, Behavior) Connor Cunneen	W18	Using EPA's New Electronic Manifest System: the Details Tom Crosetto	W25	Safety training across the generations Jeffrey Moran
	W5	Electrical Safety Program Management Tips (Arc flash, PPE, training, etc) Matt Vernon	W12	10 Proven Non-Conventional Safety Techniques and Practices to Turn Around A Problem Plant Jean Ndana	W19	Xs and Ys: Opening Communication and Mentorship through Generational Differences Wyatt Bradbury & Matthew Law	W26	Design for Ergonomics: Concepts to Eliminate Risk and Boost Productivity Brock Anderson
	W6	Saving Lives by Understanding & Assessing Machine Guarding David Regelbrugge	W13	Inside and Out: Pedestrian Safety John Foston	W20	Reasonable Suspicion Training Tim Thoelecke	W27	Why am I doing this? -or-Don't create a violation where there is no hazard Don Phillips
	W7	Every Step you Take . . . Walking Working Surfaces Update John Foston	W14	Fall Protection: General Industry or Construction - Where Do You Fall? Bryan Steiber	W21	Hearing Conservation Kevin Aikman	W28	Incident Command Chuck Wherli

✓ Check Box for Sessions Attending

Note: Be sure to visit the Business EXPO today!

W1	☐
W2	☐
W3	☐
W4	☐
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W25	☐
W26	☐
W27	☐
W28	☐

Name:	Date Submitted:
Company:	

2019 Chicagoland Safety, Health & Environmental Conference / Event #16393

Thursday, September 19, 2019

T H U R S D A Y	Session ID	8:30 - 10:00	Session ID	10:15 - 11:45	Session ID	1:15 - 2:45	Session ID	3:00 - 4:30
	R1	Machine Safety, Machine Guarding - What you need to know and why Carlos Gallegos & Jeff Winter						
	R2	Deposed: Will you be deflated and dethroned or will you dominate? Brian Rosenblat & Don Phillips			R9	Clean Air Act Basics and Air Topics Update Bruce Dumdei		
	R3	Household Hazardous Waste Awareness Mike Schroeder	R6	Mining: How Has it Improved its Safety Records John Head & Mark Wharton	R10	HazMat Regulations and Emergency Response: Getting the Basics Down		
	R4	Silent Danger: Crucial Conversations to Drive Workplace Safety Ashley Dittmar - Galassi	R7	Successful OnBoarding for the new hire Mike Themanson	R11	Hazard Communication/GHS Dan Ramir		
	R5	Auditing Health & Safety Management Systems Cynthia Braun	R8	Active Threat Survival in Your Workplace Mike Anders	R12	Accident Investigation Barry Schwalbe		

✓ Check Box for Sessions Attending

Note: Be sure to come to Thursday's luncheon to listen to the Keynote Speaker.

R1	☐
R2	☐
R3	☐
R4	☐
R5	☐

R6	☐
R7	☐
R8	☐

R9	☐
R10	☐
R11	☐
R12	☐

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 Professional Safety Journal
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Name:	Date Submitted:
Company:	

Chicagoland Safety, Health & Environmental Conference

Training EHS Professionals Since 1988

September 16-19, 2019

Name: _____
(as it should appear on your name badge)

Company: _____

Job Title: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ E-mail: _____

If applicable, check appropriate status:

- ☐ I am a presenter (date): _____
☐ I am a student (school): _____
☐ I am with OSHA

MEMBER NUMBER: _____

(These below are required fields.)

ASSOCIATION: ☐ AHMP ☐ AIHA ASSP: ☐ Chicago, ☐ NEIL,
☐ Three Rivers ☐ Chamber of Commerce ☐ Manufacturing
Assn ☐ NFIB ☐ University
☐ Other _____

INDUSTRY: ☐ Auto ☐ Construction ☐ Chemical ☐ Health
☐ Energy ☐ Food ☐ Government ☐ Retail-Wholesale
☐ Service ☐ Material ☐ Handling ☐ Transportation
☐ Other _____

How did you hear about the CSHEC? ☐ OSHA ☐ Past
Attendee ☐ Newspaper/Magazine ☐ Construction Safety
Council ☐ Small Business Adm
☐ Other _____

**Be sure to include the
Session Selection form
with this registration form
and payment.**

**Refer to conference Topic
Matrix for sessions, times
and titles.**

Lunch included Daily	Early Bird Fee	Fee After 7/31 2019
OSHA 10 Hour General industry (2 days)	\$235.00	\$295.00
Half (1/2) Day (Each Day)	☐ 9/16/2019 \$85.00 ☐ 9/17/2019 \$85.00 ☐ 9/18/2019 \$85.00 ☐ 9/19/2019 \$85.00	☐ 9/16/2019 \$110.00 ☐ 9/17/2019 \$110.00 ☐ 9/18/2019 \$110.00 ☐ 9/19/2019 \$110.00
Full Day (Each Day)	☐ 9/16/2019 \$170.00 ☐ 9/17/2019 \$170.00 ☐ 9/18/2019 \$170.00 ☐ 9/19/2019 \$170.00	☐ 9/16/2019 \$220.00 ☐ 9/17/2019 \$220.00 ☐ 9/18/2019 \$220.00 ☐ 9/19/2019 \$220.00
Total Amount Due/Enclosed: \$ _____		

Payment is due with registration

Internet (Secure): www.ChiSafetyConf.org

Mail: Mail your registration forms and check payable to Northern Illinois University or credit card information to:

University Outreach Services - Registration
Northern Illinois University
DeKalb, Illinois 60115-2854

Event #16393

Fax: Send your registration forms and completed credit card information to: 815-753-6900

Credit Card Type: ☐ Visa / MC ☐ DISC ☐ AMEX

Expiration Date: _____

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Signature: _____

(Name on card if different from registration name (print): _____)

*Refunds before 7/31/2019 will be charged a \$15.00 processing fee per person. No refunds will be allowed after 7/31/2019.
Registration substitutions are allowed. Registration confirmations will be sent within 2 business days of registration.*



Northern Illinois
University



Welcome Attendees.

As we celebrate the 31st anniversary of the Chicagoland Safety, Health and Environmental Conference. We have many new topics this year and presenters with a host of enthusiasm and knowledge to share with you.

This year's conference is co-sponsored by Northeastern Illinois (NEIL), Greater Chicago, Three Rivers Chapters of American Society of Safety Professionals (ASSP), and the Chicago Section of the American Industrial Hygiene Association (AIHA) and the Illinois Chapter of the Alliance of Hazardous Materials Professions (AHMP). The conference is planned in association with OSHA, Northern Illinois University and the National Safety Education Center.

ASSP CEUs and ABIH Points are expected to be awarded, as usual this year. Instructions regarding requirements for the receipt of these points will be announced and provided in the classrooms during the conference.

Multiple tracks are provided in hope of providing strong value for your professional development. The topics have been selected by HSE professionals on the Conference Steering Committee. We seek to provide information to our attendees at basic, intermediate, and advanced levels, relying on volunteer speakers who do not receive any remuneration for their preparation and presentation. Presenters are selected based on their reputation, referrals, and positive feedback from previous attendee feedback.

The volunteer group of HSE professionals who plan and operate the Conference represents the professional associations named previously. Proceeds from the Conference are shared by the participating groups and are used to support the health and safety profession. Please consider being part of this planning group for next year's conference.

We welcome your feedback and are happy to hear from you, so that we may continue to grow and serve our membership and our attendees, and that our attendees leave with knowledge that is applicable for their employers, their careers and the community at large. In closing, we hope your experience is positive, valuable, and transferable, and that we will see you next year.

Sincerely,

Anthony E. Stephens, President, Northeast Illinois (NEIL) ASSP
Eric Dangoy, President, Greater Chicago ASSP
James McGovern, President, Three Rivers ASSP
Chris Latoz, President, Chicago Chapter Alliance of Hazardous Materials
Jacob Scott, Area Director, Naperville office, Region V OSHA
Clayton Black, President, American Industrial Hygiene Association

US Department of Labor

Occupational Safety and Health Administration
Chicago Regional Office
John C. Kluczynski Federal Building
230 S Dearborn Street, Suite 3244
Chicago, Illinois 60604-1694



September 16, 2019

Dear Conference Attendees,

On behalf of the Occupational Safety and Health Administration (OSHA), welcome to the 31st Annual Chicagoland Safety, Health, and Environmental Conference. This conference is a unique opportunity for employers and employees to learn about the most current issues facing safety and health professionals today. At OSHA, we're committed to working with you to help create the best workplaces in the country. Your decision to attend this year's conference and embrace workplace safety and health is commendable.

While OSHA is known mostly as enforcement agency, we also have a responsibility to provide workplace safety and health education, training, and assistance. So be sure to visit the OSHA booth while you're here and meet some of our outstanding staff who can answer your questions and provide you with safety and health information. You can also contact your local OSHA office in Illinois to speak directly to our staff. To find out which OSHA office covers your county, go to <https://www.osha.gov/oshdir/il.html>. You can reach our Illinois offices by phone at:

Naperville OSHA Office -	(630) 300-7100
Chicago North OSHA Office -	(847) 803-4800
Chicago South OSHA Office -	(708) 342-2840
Peoria OSHA Office -	(309) 589-7033
Fairview Heights OSHA Office -	(618) 632-8612

In addition, the State of Illinois Onsite Safety and Health Consultation Program is available to provide onsite consultation and training at no cost to small employers. To schedule a visit with the State Consultation Program you can call them directly at 1-800-972-4216 or go to their website at <https://www2.illinois.gov/idol/Laws-Rules/safety/Pages/default.aspx>.

Best wishes to you for a successful and productive conference. Thank you for your commitment to improving safety and health conditions in the workplace and taking the necessary steps to help create a more positive safety culture.

Sincerely,


Ken Nishiyama Atha
Regional Administrator

2019
CHICAGOLAND



Session M1
September 16, 2019
8:30 am – 4:30 pm
Basic Level

OSHA 10 Hour General Industry Part I of II

Brent Bryden

CEO

InterActive Safety Solutions Inc.

PO Box 457 Winnebago IL 61088

Phone Number: 815.742.0513 E-mail: brent.bryden@outlook.com

Brent Bryden is the CEO of InterActive Safety Solutions Inc. and Safety Instructor for the National Safety Education Center at NIU DeKalb, IL. He has 32 years of manufacturing, environmental, health and safety experience. InterActive Safety Solutions Inc. is a workplace safety solutions resource company providing multi-functional manufacturing support, professional hazard recognition, affordable employee development and continuous improvements in safety training and programs. His passion is to educate the basics to form strong safety foundations within an organization. Continuous improvement in safety training is his vision.

Topic/Presentation Synopsis:

Participants are on their way to becoming self-sufficient as they will be able to: locate and apply OSHA standards, policies and procedures

to supplement an on-going safety and health program; identify major requirements of the OSHA Standards, as well as use the appropriate corrective action to make your operation safe and more productive. After attending the course, participants will receive the OSHA 10-hour card for General Industry. This course is continued in session T3.

At the end of this presentation, the participant will be able to:

1. Apply specific OSHA standards, policies and procedures to the workplace
2. Identify common OSHA violations and propose corrective actions
3. Use OSHA regulations to establish or supplement an effective safety and health program

Session M2
September 16, 2019
8:30 am – 11:45 am
Basic Level

Fire Code 101: Navigating Application Requirements for Safety Professionals

Jim Jaracz

Trainer/Consultant

2 Sycamore Lane Hobart, IN 46342

Phone: (219) 742-1689

jimthefireandsafetyguy@gmail.com

Jim Jaracz provides safety training and specializes in fire codes and standards. He spent 24 years in the fire service focusing on municipal and industrial fire protection. Jim earned a Master's degree in occupational safety, holds several fire and safety related certifications and frequently instructs courses throughout the country.

Topic/Presentation Synopsis:

Interpreting fire code regulations can be challenging but having a fundamental understanding of the application process can help you achieve compliance with confidence. This course will walk participants through codes and standards, identify common violations and is a must for the safety professional charged with maintaining regulatory requirements.

At the end of this presentation, the participant will be able to:

1. Understand how to navigate the fire code and applicable fire safety standards
2. Analyze codes and standards that correspond with OSHA requirements
3. Research and apply fire codes and standards to common safety deficiencies

Session M3
September 16, 2019
8:30 am – 10:00 am
Basic Level

Environmental Compliance 101 for Safety

Jessica Black, CHMM

Project Scientist

Geosyntec Consultants

134 N LaSalle St, Suite 300, Chicago IL 60602

Phone: 312.416.3922

E-mail: jblack@geosyntec.com

Jess Black has more than 15 years of experience in multi-media environmental compliance, sustainability, and project management. Her experience includes a wide range of environmental management aspects, including RCRA management and compliance, underground storage tank (UST) operations, stormwater, wastewater and waste minimization, spill and emergency response, and health and safety. Before becoming a consultant, Jess worked as an EHS Professional in manufacturing and public transit.

Topic/Presentation Synopsis:

Are you a Safety Manager who has been “voluntold” to take on Environmental compliance duties? Fear not, we’ve got just the session for you. Attend our “crash course” on environmental regulations and requirements. We’ll talk about what types of considerations your facility may need for air, water, waste and chemical management. Find out what permits and reports you may be missing, and tools to make sure your facility is in compliance. Feel free to come with questions or your own tips to share!

At the end of this presentation, the participant will be able to:

1. Understand basic environmental compliance terms
2. Know the main regulatory programs that apply to most facilities
3. Have tools to determine which regulatory programs may be applicable to your facility

Session M4
September 16, 2019
8:30 am – 10:00 am
Basic Level

Mental Focus Training for Industrial Workers

James McGovern M.S., CSP

HSE Director

Brock

1022 Oak Leaf Joliet IL 60436

Phone: 872-242-5892

E-mail: james.mcgovern@brockgroup.com

Jim McGovern is a HSE Director with Brock Industrial in Joliet IL, with a territory covering fifteen states. Jim earned a Master's of Science in Safety and Emergency Management from Eastern Kentucky University in 2013 and has an undergraduate degree in Criminal Justice in Romeoville, Illinois in 1997. Jim is a US Army veteran and received the Certified Safety Professional designation in 2016. He is also a registered National level coach with USA Judo and has a long history as a Coach/ Instructor and as an international competitor in Judo. A retired Chicago Police Officer who was primarily assigned to the Gang Crimes Unit and also worked as a Defensive Tactics Instructor, SWAT Team member, Violent Crimes Detective and Sergeant. He is a dedicated Safety Professional who understands the importance of training employees to understand and react appropriately to industrial work environments.

Topic/Presentation Synopsis:

"Mental focus training for the industrial worker" trains industrial workers to approach all tasks or jobs as police officers/SWAT and military special operators are trained to do. This is based on actual career experience as a US Army soldier, Chicago Police Officer, Defensive Tactics Instructor and SWAT Team member. This process establishes a tangible concept of understanding mental focus levels so that all workers are properly engaged.

At the end of this presentation, the participant will be able to:

1. Teach mental focus to employees
2. Implement mental focus principles to their risk assessment procedure
3. Understand the importance of keeping workers in a mental focus zone that can be identified by color

Session M5
September 16, 2019
8:30 am – 10:00 am
Intermediate Level

Temporary Workers: Your people in the eyes of OSHA

Rick Grobart, MBA

Founder, Lead Project Manager
Focus Management Associates
1620 W. Chicago Ave, Chicago, IL 60622
Phone: 847-250-6887
E-mail: rick@fcsmgmt.com

Rick Grobart completed his bachelor's degree in Occupational Safety & Health in 1996. He went on to complete his MBA with the University of Illinois and subsequently founded Focus Management Associates, a firm specializing in using data to help clients make sound, safe decisions for their operations and their employees.

Topic/Presentation Synopsis:

Staffing employees are injured at rates much higher than permanent/full-time employees. While there are operational times that staffing helps supplement a production process, or serves to help with on boarding, OSHA is very clear that temporary workers are afforded the same safety rights and privileges as permanent employees.

At the end of this presentation, the participant will be able to:

1. Use the Temporary Worker Initiatives to make better decisions – whether they be the host employer or the staffing agency.
2. Develop specific wording to be reflected in their contracts with, or from, staffing agencies.
3. Implement specific safety on-boarding steps working with of staffing employees, as well as training moving forward.

Session M6
September 16, 2019
8:30 am – 10:00 am
Basic Level

Until Automation Does it All Do Something NOW to Protect Workers

Jim Galante, Chairman

EASE Council

Division of Material Handling Industry

8720 Red Oak Blvd, Charlotte, NC

(207) 329-5555

JJG@SouthworthProducts.com

Mr. Galante has over 50 years of experience in the material handling industry. He has worked with and visited hundreds of facilities to conduct material handling task evaluations including PPG, ConAgra and PepsiCo, to name a few. He was the principle editor of the Ergonomic Guidelines for Manual Material Handling. This publication defines the problems and presents the solutions to solve the No. 1 cause of worker injury in the workplace.

Topic/Presentation Synopsis:

Manual material handling is common in companies which manufacture and assemble. Automation can help reduce process time, ensure consistency and quality, optimize the labor force and increase productivity, but until automation does it all, companies need to protect their most valuable asset-their employees.

At the end of this presentation, the participant will be able to:

1. Review the advantages and some disadvantages of automation.
2. Describe positive ways to enhance the productivity, health and safety of workers tasked to do manual material handling.
3. Illustrate ways through simple equipment interventions and applied ergonomics to enhance worker health now.

Session M7
September 16, 2019
8:30 am – 10:00am
Intermediate Level

Incident Investigation-Tips and Tricks

Don Phillips

Corporate EH&S Director
NTN Americas
795 Kimberly Drive, Carol Stream, IL 60188
Phone Number: 630-517-4802
E-mail: dphillips@ntnusa.com

Don Phillips is the Corporate EHS Director for NTN USA, based in Mt. Prospect. Don is a qualified OSHA Outreach trainer in general industry with experience developing and delivering safety training programs, facilitating safety committees, and conducting safety audits. He also specializes in incident investigation, workers compensation and OSHA and EPA compliance. Don is the President of SafetyDon, LLC, a consulting company specializing in safety for small and mid-size companies, and is entering his 39th year as the voice of the Coal City Coalers.

Topic/Presentation Synopsis:

Will your investigation stand up in court? Is it good enough to keep you out of court? Do you know what really happened? Who is going to see the results and what are they going to do with them? If your investigations are built for speed and land in a drawer, you're asking for trouble. And trouble is knocking on the door with a subpoena in their hand. In this program, we'll look at the real reasons to investigate and where the report needs to go and may go later. This session will lead into Thursday's session, "Deposed: Will you be deflated and dethroned or will you dominate?", discussing incidents from investigation, to claim, to protecting you and your company. Based on real claims and real cases, you can attend either or both, but you won't want to miss the ending.

At the end of this presentation, the participant will be able to:

1. Identify what needs to be investigated and when.
2. Know who should and shouldn't investigate.
3. Have your investigation perform well in a deposition

Session M8
September 16, 2019
10:15am – 11:45 am
Intermediate Level

New Rules for Handling Hazardous Waste Pharmaceuticals

Cara Simaga, CHMM

Director, Regulatory Affairs
Stericycle
28161 N. Keith Dr, Lake Forest, IL
Phone: 312-720-6213
E-mail: CSimaga@stericycle.com

Cara Simaga is a Director of Regulatory Affairs at Stericycle, a regulated waste disposal company. She has worked at Stericycle for 9 years in various roles, many related to helping healthcare facilities implement successful pharmaceutical waste disposal programs. Prior to Stericycle, she worked at a hazardous waste treatment and disposal facility. Cara has a BS from Purdue University in Biology and has been a Certified Hazardous Materials Manager (CHMM) since 2006.

Topic/Presentation Synopsis:

The EPA has finalized rules specific to management of hazardous waste pharmaceuticals. Learn how these rules affect the healthcare and retail industries as well as disposal facilities.

At the end of this presentation, the participant will be able to:

1. Identify how/if the rule applies to them.
2. Understand the 3 aspects of the rule, the Sewer Ban, the Nicotine Exclusion and Subpart P.
3. Use the knowledge gained to further track state adoption of the rule.

Session M9
September 16, 2019
10:15 am – 11:45 am
Basic Level

OSHA Recordkeeping Requirements

John Newquist, CSP

Newquist Safety
618 N. 4th St.
DeKalb, IL 60115
(815) 354-6853
johnanewquist@gmail.com

Since 1987, John Newquist has trained over 50,000 people including OSHA compliance officers and Fortune 500 Clients in numerous areas of Safety and Health. He is an independent safety trainer, author and consultant in his 39th year of safety. He has a BS in Fire Protection and Safety Engineering from the Illinois Institute of Technology and a Master's of Science in Industrial Management from Northern Illinois University. He is a Certified Safety Professional. He worked for OSHA from 1983-2012.

Topic/Presentation Synopsis:

This seminar will teach you the OSHA injury and illness recordkeeping requirements for the OSHA 300, 300A, and the 301 forms. The Speaker reviews the latest interpretations including drug testing and incentives and address the issues that many recordkeepers get wrong.

At the end of this presentation, the participant will be able to:

1. Fill out an OSHA 300 and 300A
2. Determine if a case is OSHA recordable or first aid.
3. Calculate an OSHA DART rate for their facility.

Session M10
September 16, 2019
10:15 am – 11:45 am
Intermediate Level

Advanced Laboratory Safety

Dennis A. Terpin, Ph.D

Chief Training Officer
The International Safety and Health Specialists, LLC
Bolingbrook, IL and Lahaina HI
Phone: 630-699-7171
E-mail: Ua446@aol.com

Dr. Terpin, Retired Senior Industrial Hygienist/Emergency Manager for the University of Illinois at Chicago. Dennis has over 50 years of experience in the Occupational Safety and Health, Laboratory Safety and Emergency Management fields. Dennis is a member of the Z88, Z88.10 and ASTM F23.65 International Technical Committee.

Topic/Presentation Synopsis:

This process safety based course is suited for all Laboratory Inspectors, Managers, CHO or Safety Professionals, who wants to broaden their knowledge of laboratory safety. This course will increase your ability to enhance your understanding of laboratory safety design, operation and will explore the different approaches for conducting laboratory inspections.

At the end of this presentation, the participant will be able to:

1. Identify the key steps involved in laboratory safety operations and laboratory inspector.
2. Describe the importance of applying process safety concepts to laboratory inspections.
3. Identify the hazards associated with temperature, pressure, vacuum, pilot plant, unattended and working alone operations

Session M11
September 16, 2019
10:15 am – 11:45 am
Intermediate Level

Roof Top Fall Protection and Building Anchors

Heidi Lopez-Hidalgo, PE

Advanced Application Engineer
3M Fall Protection
3833 Sala Way, Red Wing, MN 55066
Phone: 651-285-7081
E-mail: hlopezhidalgo@mmm.com

Heidi works as an Application Engineer for 3M Fall Protection. She is a professional engineer with a background in structural engineering. She has a B.S. degree in Civil Engineering. Her current role as an Application Engineer involves harnessing customer insight and serving as a subject matter expert.

Topic/Presentation Synopsis:

Recent updates to the OSHA 1910 walking and working surface regulations increased the requirements of fall protection for roof top applications. This presentation will focus on current regulations regarding roof top fall protection, building anchors, the responsibility of building owners and solutions to comply.

At the end of this presentation, the participant will be able to:

1. Be informed and knowledgeable on roof top fall protection regulations and standards.
2. Be informed on the responsibilities of the parties involved.
3. Have insight into practical solutions to keep workers safe and comply with regulations.

Session M12
September 16, 2019
10:15 am – 11:45 am
Intermediate Level

Lessons Learned from Disaster Planning: Analysis of Natural Disaster Flooding Impact on Chemical Facilities in the United States

Dr. Apostolis (Paul) Sambanis, PhD

Adjunct Assistant Professor
University of Illinois at Chicago
1603 W. Taylor Street Room 715 Chicago, Illinois 60602
Phone Number: 630-549-4186
E-mail: asamba2@uic.edu

Dr. Sambanis is the Regional HSE Manager for Henkel Corporation and the Director of Curriculum for the Emergency Management and Continuity Planning Graduate Certificate at UIC's School of Public Health Division. For more than fifteen years, he has practiced risk management and regulatory compliance in North America.

Topic/Presentation Synopsis:

Facilities often underestimate the impact natural disasters can have on chemical releases. Data from TRI of chemical facilities located in 100 year flood plains impacted by flooding for all 50 states was analyzed revealing additional measures of risk and informing on potential future safeguards.

At the end of this presentation, the participant will be able to:

1. Learn about incidents of chemical facilities impacted by flooding
2. Understand measures of risk of chemical facilities located in 100-year floodplains
3. Appreciate potential safeguards and need for further regulatory oversight of this hazard

Session M13
September 16, 2019
1:15 pm – 4:30 pm
Intermediate Level

Managing Respiratory Protection Programs

Dennis A. Terpin, Ph.D

Master Instructor FEMA/DHS
The International Safety and Health Specialists, LLC
Bolingbrook, IL and Lahaina HI
Phone: 630-699-7171
E-mail: Ua446@aol.com

Dr. Terpin is a Certified Master Level Instructor for FEMA/Department of Homeland Security teaching at the Center for Domestic Preparedness (CDP) CORBRA live agent training center. Dennis is a member of the Z88, and Z88.10 and the new ASTM International Technical Committee F23.65 on Personal Protective Clothing and Respiratory Protection/Equipment.

Topic/Presentation Synopsis:

29 CFR 1910.134 (C3) – This Respiratory Protection program is designed for individuals who may design, develop, implement, administer and sustain a respirator protection program. This course will help participants develop and maintain a respiratory protection program that complies with all state and federal regulations.

At the end of this presentation, the participant will be able to:

1. Identify administrative components required for employers to establish a respiratory protection program in accordance with 29 CFR 1910.134(c).
2. Identify the requirements for personal protective equipment in accordance with 1910.132.
3. Evaluate multiple technologies to conduct qualitative and quantitative fit testing in accordance with Appendix A.

Smart Labs at Argonne: Safety and Energy Sustainability

Catherine Hurley & Nicky Silvestri

Sustainability Program Manager- Industrial Hygienist
Argonne National Laboratory
9700 South Cass Avenue, Argonne Illinois 60439
630-252-0237 (Hurley) 630-252-4683 (Silvestri)

Catherine Hurley is Sustainability Program Manager for Argonne National Laboratory where she directs projects that increase efficiency while reducing the use of natural resources. Catherine has a Bachelor's degree in civil engineering from the University of Dayton and is a Registered Professional Engineer, LEED Accredited Professional, ISSP Certified Sustainability Professional, and Certified Energy Manager.

Nicky Silvestri is a Certified Industrial Hygienist with the Occupational Health department at Argonne National Laboratory. His primary subject matter includes ventilation for hazard control. Nicky received his B.S. in Environmental Health and Safety from Illinois State University and will graduate in August from Montana Tech with a Master's degree in Industrial Hygiene.

Topic/Presentation Synopsis:

Argonne's Smart Labs Program is optimizing laboratory operations to achieve energy efficiency, provide safe ventilation levels, and optimize space functionality. An integrated team from safety, facilities, research and sustainability are collaborating to optimize 1 million gsf across 6 facilities. Our goal: enhance safety and operations with a 20% energy reduction in 10 years.

At the end of this presentation, the participant will be able to:

1. Define opportunities and challenges to implementing sustainability within a research / mission driven organization
2. Define stakeholders and their roles and responsibilities when addressing safety, efficiency and operational improvements
3. Identify key strategies for assessing energy efficiency and laboratory ventilation to meet the mission / stakeholder's needs

Session M15
September 16, 2019
1:15 pm – 2:45 pm
Intermediate Level

Workers Compensation Case Management at the Employer Level

Roger Holdeman

Regional HSE Sr. Manager Midwest
Honeywell

315 East Stephenson St Freeport, Illinois 61032

Phone: 309-684-4475

E-mail: Roger.Holdeman@Honeywell.com

Roger is a HSE Professional with over 20 years' experience in all aspects of HSE delivery. He specializes in risk management, risk assessment, worker's compensation case management, and environmental regulation. Leader in developing and managing a team based approach to quality HSE delivery in the manufacturing environment.

Topic/Presentation Synopsis:

This session will educate in the aspects of Worker's Compensation Case Management at the employer level. It will identify what Mod rates are and how they affect the insurance premiums. We will discuss light duty programs, lost time days, and record keeping. Management tools that can be used to assist the worker's compensation case managers. The program will educate HSE professional sin quality work related injury management.

At the end of this presentation, the participant will be able to:

1. Demonstrate ability to manage a worker's compensation case
2. Create options available to reduce Mod rates
3. Describe how to set up and manage a quality light duty program

Session M16
September 16, 2019
1:15 pm – 2:45 pm
Intermediate Level

Aerial Lifts: Keeping ‘em Upright!

Charlie Vasconez

Risk Manager

MSM Solutions, Inc

650 W. Grand Ave. Suite 301, Elmhurst, IL 60126

Phone: 312-907-0851

E-mail: charliev@msmsolutionsinc.com

Mr. Vasconez, a risk manager for MSM Solutions Inc. manages insurance and safety programs for MSM Solutions, Inc. Prior to MSM, he was the safety director for All-Tech Decorating Co., a painting contractor. He has been a safety professional in the Chicagoland area since 1984 after he graduated from Northern Illinois University.

Topic/Presentation Synopsis:

Aerial lifts (mobile elevated work platforms) are being used more than ever before to perform tasks at height on construction sites, in schools, hospitals, offices, and in various commercial, retail and industrial establishments. There are reasons for this: these machines are efficient, productive, adaptable and versatile provided they are used properly by trained and authorized personnel. This presentation will give the audience an overview of the steps that should be taken to avoid incidents that could result in injury, death, and or property damage.

At the end of this presentation, the participant will be able to:

1. Understand and apply the minimum OSHA and ANSI training requirements.
2. Identify the minimum operator responsibilities.
3. Describe safe equipment operating procedures.

SPECIAL NOTE: A demonstration boom lift will be part of this session and is provided courtesy of Sun Rental.

Session M17
September 16, 2019
1:15 pm – 2:45 pm
Intermediate Level

Challenging the Inactivity Epidemic Through Proactive Exercise Interventions

Jon Kabance

President
BIOKINETIX

Address: 410 N May St, Chicago IL 60642

Phone Number: 773-227-4447 E-mail: jon.kabance@biokinetix.com

As a registered Kinesiotherapist and President of BIOKINETIX, Jon has been masterful in combining his expertise in exercise science, kinesiology and education with the real-world demands companies face every day as they look to reduce employee injury rates.

Fourteen years ago, Jon founded BIOKINETIX with the idea of reversing how medicine is practiced. Rather than simply reacting by treating employee injuries, his vision was to proactively reduce the risk of injury using exercise and education. Jon's thought leadership has helped clients save over \$100 million through strategic prevention and wellness programs.

Topic/Presentation Synopsis:

From office cubicles to the factory floor, the growing societal shift towards physical inactivity has become of particular concern to employers. Prolonged sitting or standing, poor body mechanics, and general lifestyle inactivity contribute to cumulative musculoskeletal risks that often fly under the radar. When left unmitigated, sedentary behavior poses a significant threat to employee well-being, work performance, and injury risk. This session will address how a proactive exercise-based approach can effectively mitigate these risks through practical interventions in each dimension of Total Worker Health.

At the end of this presentation, the participant will be able to:

1. Identify actionable methods of optimizing Total Worker Health within their organizational culture
2. Create structured opportunities to combat the risk of physical inactivity in the workplace setting
3. Help employees maximize functional ability through job-specific exercise, body mechanics training, and personalized early intervention.

Session M18
September 16, 2019
1:15 pm – 2:45pm
Intermediate Level

Machine Guarding Update

Roger Harrison

Director of Training
Rockford Systems, LLC
5795 Logistics Parkway-Rockford, IL 61109
Phone: 815-874-3604
E-mail: roger.harrison@rockfordsystems.com

Mr. Harrison has conducted machine safeguarding seminars for Rockford Systems at their Rockford, IL Training Center since early 1980's and at industrial venues across the United States and Mexico.

Topic/Presentation Synopsis:

Will use ANSI B11 safety standards to explain the application of machine safeguarding which will include guards, covers, shields, light curtains, laser devices, along with electrical updates in safety standards.

At the end of this presentation, the participant will be able to:

1. Identify exposure to recognize hazards on industrial machinery.
2. Recognize which guards, devices methods apply to various machines.
3. Understand why "function testing" of machine safeguarding is so important.

Session M19
September 16, 2019
3:00 pm – 4:30 pm
Intermediate Level

Building the Winning Ergonomics Team

Timothy Pottorff

Principal

QP3 ErgoSystems

611 S. 8th Street #764, West Dundee, IL 60118

Phone: 847-921-3113

Email: t.pottorff@qp3ergosystems.com

Tim Pottorff is a leading Ergonomist and has conducted thousands of onsite Ergonomics assessments around the world. H has authored numerous articles and regularly presents at professional Ergonomics conferences. Tim is Principal at QP3 ErgoSystems, a full-service Risk Consulting firm, and in 2018 invented Ergo Tuck™ for better bed making.

Topic/Presentation Synopsis:

Building the Winning Ergonomics Team focuses on the reasons we address ergonomics and other EH&S issues in our organizations and how using the right team approach and applying business metrics can improve the success of your EH&S efforts.

At the end of this presentation, the participant will be able to:

1. Describe the different types of ergonomics teams and efforts that are possible.
2. Identify the different types of people to include on ergonomics teams to achieve your goals
3. Determine the levels of training for various teams and how to apply business metrics to ergonomics improvements to increase success.

Session M20
September 16, 2019
3:00 pm – 4:30 pm
Intermediate Level

Opioid Crisis In America. How did we get here? Where do we go?

Richard Jorgensen, MD, FACS

Coroner Dupage County

Dupage County

414 N. County Farm Rd. Wheaton, Illinois 60187

Phone Number: 630-407-2600

E-mail: Richard.jorgensen@dupageco.org

Brief Biography: Richard Jorgensen currently serves as the DuPage county coroner, graduate of Loyola University and the Strick School of medicine, practiced general/vascular and trauma surgery in the western suburbs of Chicago for 20+ years. He maintains his board certification and Illinois medical license and is a fellow of the American College of Surgeons and International College of Surgeons. He is an active member of the Illinois coroners and medical examiner association, along with numerous surgical societies.

Topic/Presentation Synopsis:

The epidemic of opioid use in America will be discussed as well as an overview of what opioids are and the history of their development and use. The current problem of legal opioid use and abuse will be discussed. The concept of pain as the fifth vital sign will be explained in historical content. This will conclude with a review of the policies and procedure that have been used to address this problem.

At the end of this presentation, the participant will be able to:

1. Identify what opioids are and their uses.
2. Understand the history of this epidemic
3. Develop policies and procedures to address the problem in their communities

Session M21
September 16, 2019
3:00 pm – 4:30 pm
Basic Level

Dropped Object Prevention

Heidi Lopez-Hidalgo, PE

Advanced Application Engineer
3M Company
3833 Sala Way
Red Wing MN 55066
(651) 285-7081
hlopezhidalgo@mmm.com

Heidi works as an Application Engineer for 3M Fall Protection. She is a professional engineer with a background in structural engineering. She has a B.S. degree in Civil Engineering. Her current role as an Application Engineer involves harnessing customer insight and serving as a subject matter expert

Topic/Presentation Synopsis:

For decades, leading causes of death on construction jobsites in the United States have been “Falls” and “Struck by Object”. This presentation will focus on the hazards of dropped objects, solutions to implement a dropped object protection program and standards regulating dropped object protection products.

At the end of this presentation, the participant will be able to:

1. Be informed and knowledgeable on Dropped Object regulations and standards
2. Be aware of the hazards of dropped objects
3. Have insight into practical solutions and ways to implement a dropped objects prevention plan.

Session M22
September 16, 2019
3:00 pm – 4:30 pm
Intermediate Level

Enhancing EH&S with Connected, Real-time Measurements

Greg Olson

Sr. Product Specialist
TSI Incorporated
500 Cardigan Road
Shoreview, MN 55126
Phone: 651-490-4042
E-mail: greg.olson@tsi.com

Mr. Olson is the Sr. Product Specialist – Industrial Hygiene at TSI. Greg has a Masters degree from the University of Minnesota-Duluth in Industrial Hygiene. He has served on many AIHA committees including Real-Time Detection Systems and Nano Working Group. He currently serves on the ISRP Board of Directors.

Topic/Presentation Synopsis:

Recent adaptations of well-known technology to measurement instrumentation can have a BIG impact on EH&S efforts. Instant information can provide timely response. Seeing information without disrupting working schedules can enhance worker – safety relationships. This session discusses the benefits of connectivity to real-time noise, dust and IAQ instruments.

At the end of this presentation, the participant will be able to:

1. Identify opportunities to enhance safety through the use of connected, real-time measurements in their workplace.
2. Improve productivity in their work processes through connected real-time instruments.
3. Get a peek into the future of connected EH&S.

Session M23
September 16, 2019
3:00 pm – 4:30 pm
Basic Level

Over the Road and Down the Aisle. Keeping your Truck and Forklift Drivers Safe

Julie DeBacker, OTL, MS - VP On-Site Services
Deanna Polle, PT, DPT, CMPT - Chicago Area Manager

Doctors of Physical Therapy

2547 Plainfield Naperville Road Suite 152 Naperville, IL 60564
(630) 675-1296 mhuber@doctorsofphysicaltherapy.com

Julie DeBacker has over 25 years in the industry, has presented on developing light duty programs and safe handling practices, is experienced in job assessment, post offer performance testing, and return to work management. She has experience in: metal press operations, trucking, auto manufacturing, cereal processing, beverage distributing, city and county services, health care, railroad, leather tanning, warehouse/distribution, and meat processing.

Dr. Polle received her undergraduate degree in Health Sciences from Creighton University in Omaha, Nebraska. She earned her Doctorate Degree in Physical Therapy from Creighton University in 2008. Dr. Polle took the opportunity to utilize her clinical rotations to travel the US and hone her Spanish language skills, especially in the Dominican Republic where she has been and continues to volunteer her skills at the Institute for Latin American Concern (ILAC). She has since worked in multiple settings including, hospital/skilled nursing, and outpatient care to give her a large breadth of experience across multiple disciplines.

Topic/Presentation Synopsis:

This is a specific look at the ergonomic challenges that truck and forklift drivers face.

We will look at:

- the effects of prolonged sitting and how to adjust the seat
- prevention of left shoulder injuries
- unloading techniques and the back
- getting out of the cab and saving the hips and knees
- hints for winter
- use of a post offer quick test for the use of a hand cart on stairs

At the end of this presentation, the participant will be able to:

1. Demonstrate a quick test for safe stair use with loaded hand carts.
2. Demonstrate stretches to offset the postural dysfunction caused by prolonged sitting.
3. Understand safe entry and exit from truck/forklift.

Session T1
September 17, 2019
8:30 am – 4:30 pm
Intermediate-Advanced Level

Advanced Trainer Techniques

Cynthia Braun, CSP, CET, CHMM

Occupational Safety and Health Consultant
Braun Safety Associates, LLC | 9882 West Unser Avenue | Littleton, Colorado 80128
(303) 933-9028 | braunsafety@comcast.net
www.braunsafety.com | www.celebratesafety.com

Ms. Braun's 27-year career includes consulting and training in occupational safety and health, environmental, industrial hygiene, and transportation compliance. She specializes in developing and auditing safety management systems (ANSI Z10, 45001, VPP), conducting OSHA compliance audits, writing policies/programs/procedures, training all levels of employees, and providing oversight on construction and manufacturing worksites.

Ms. Braun achieved the ASSP's ISO 45001 and Executive Safety Management Certificate Programs and a paralegal certificate from the State of Colorado. She is a speaker and instructor for ASSP and the Minnesota Safety Council (since 2004), as well as the OSHA Training Institute and National Safety Council (since 1995).

Topic/Presentation Synopsis:

Say good-bye to 'boring' and hello to 'best presentation ever'. Invigorate your training as a facilitator or coach with new ideas and activities during this full-day session. The day is power-packed with adult learner reminders, curriculum design strategies, experiential training techniques and technology to bridge generations. PLUS you will have a chance to practice your platform skills in a safe environment. Leave with tangible results to 'change it up' and inject energy for a positive, professional and productive student learning experience. This session is best for experienced trainers who currently navigate small to medium-size crowds in any industry. Bring your creativity, enthusiasm and desire to think outside your usual trainer box.

At the end of this presentation, the participant will be able to:

1. State the four adult learner needs.
2. Use techniques other than PowerPoint to convey health and safety information
3. Write strong training objectives
4. Develop outlines to meet training objectives
5. Energize content and build instructional strategies for maximum attention and retention
6. Identify creative and experiential instructional methods to engage the audience
7. Identify effective platform skills, including vocal variety, body language and mannerism to avoid
8. Prepare a short presentation on a health and safety topic you've never prepared before

Session T2
September 17, 2019
8:30 am – 11:45 am
Basic Level

OSHA 10 Hour General Industry Part II of II

Brent Bryden

CEO

InterActive Safety Solutions Inc.
PO Box 457 Winnebago IL 61088

Phone Number: 815.742.0513 E-mail: brent.bryden@outlook.com

Brent Bryden is the CEO of InterActive Safety Solutions Inc. and Safety Instructor for the National Safety Education Center at NIU DeKalb, IL. He has 32 years of manufacturing, environmental, health and safety experience. InterActive Safety Solutions Inc. is a workplace safety solutions resource company providing multi-functional manufacturing support, professional hazard recognition, affordable employee development and continuous improvements in safety training and programs. His passion is to educate the basics to form strong safety foundations within an organization. Continuous improvement in safety training is his vision.

Topic/Presentation Synopsis:

Participants are on their way to becoming self-sufficient as they will be able to: locate and apply OSHA standards, policies and procedures to supplement an on-going safety and health program; identify major requirements of the OSHA Standards, as well as use the appropriate corrective action to make your operation safe and more productive. After attending the course, participants will receive the OSHA 10-hour card for General Industry. This course is continued in session T3.

At the end of this presentation, the participant will be able to:

1. Apply specific OSHA standards, policies and procedures to the workplace
2. Identify common OSHA violations and propose corrective actions
3. Use OSHA regulations to establish or supplement an effective safety and health program

Slips, Trips and Falls

Don Phillips

Corporate EH&S Director
NTN Americas
795 Kimberly Drive
Carol Stream, IL 60188
(630) 517-4802
dphillips@ntnusa.com

Don has been involved in employee safety for more than 25 years, during which time he has consistently set the PASE (Positive Attitude & Safety Everyday) for employees to follow. He is currently the Corporate EHS Director for NTN USA, based in Mt. Prospect. Don is a qualified OSHA Outreach trainer in general industry with experience developing and delivering safety training programs, facilitating safety committees, and conducting safety audits. He also specializes in incident investigation, workers compensation and OSHA and EPA compliance. Don is the President of SafetyDon, LLC, a consulting company specializing in safety for small and mid-size companies, and is entering his 39th year as the voice of the Coal City Coalers.

Topic/Presentation Synopsis:

Slips, trips and falls are consistently a leading cause of incidents and injuries in workplaces of all shapes and sizes. Unlike many industrial incidents, they don't discriminate and are just as likely in the office as on the shop floor. While the easiest solution is oft-heard 'learn to walk', this presentation will look at the many ways we regularly set ourselves and employees for a fall.

At the end of this presentation, the participant will be able to:

1. Identify root causes of slips, trips and falls in the workplace
2. Understand how falls happen and how they can be prevented
3. Where to look for hidden fall hazards in your workplace

Introduction to OSHA for Small Business

Michael Serpe, CSP, BSEM

President

SafetyFirstna, Inc. | 5817 North Mobil Avenue | Chicago, IL 60646
(773) 447-3982 | michael_a_serpe@yahoo.com

Michael Serpe, is President and founder of SafetyFirstna, a Chicago-based Environmental, Health and Safety consultancy firm. Mr. Serpe received his Bachelor of Science from the University of Illinois, Department of Mechanical Engineering. He is a Certified Safety Professional. Formerly Mr. Serpe was the Corporate Director of Environmental, Health and Safety at Klein Tools, Inc. Mike is a member of ASSP and the American Society of Testing and Materials. He is the Chairperson for ANSI Standard A10.44-Lockout/Tagout for the Construction industry. Mr. Serpe provides consulting and training to and for municipalities, government agencies, educational institutions and private and public companies. SafetyFirstna, Inc. provides companies help with OSHA, DOT and EPA compliance by providing customized training including specializing in company-customized training which includes specific company policies, procedures, equipment and personnel in addition to OSHA style audits customized written company EHS policies, procedures and program implementation.

Topic/Presentation Synopsis:

When small companies have employees, United State federal law requires those employers must establish and maintain health and safety programs to protect those employees. Such programs must comply with OSHA's requirements covering and addressing the applicable types of hazards to which employees are exposes; and which provide effective programs to employees' safety and health on the job. This presentation will cover what Small Businesses must understand about OSHA requirements, what the fundamental requirements are, and how to establish, implement and maintain the applicable OSHA employee health and safety programs.

At the end of this presentation, the participant will be able to:

1. Describe who is covered under OSHA and what the employer's duty is regarding providing safe employment and a safe place of employment to employees, which is free from recognized hazards which are likely to cause death or serious harm.
2. Explain distinct programs which employers must establish, implement and maintain in order to comply with OSHA.
3. Discuss employee safety and health program requirements for fundamental OSHA requirements such as OSHA recordkeeping, chemical safety and machine guarding.

Introduction to PCBs

Martin Hamper

Director

Roux Associates

1200 Harger Road, Suite 800

Oakbrook, IL 60523

(630) 572-3300

mhamper@rouxinc.com

Mr. Hamper has more than 30 years of experience focusing on environmental investigation, remediation, emergency response, safety, health, hydrogeology permitting and compliance matters. He has performed a wide range of assignments in many industries including chemical, petroleum, primary and secondary metals, manufacturing, rail, pipeline, and waste management. Mr. Hamper has provided expert testimony on hazardous waste characterization, environmental compliance, groundwater flow, contaminant transport, cost recovery and remediation.

Topic/Presentation Synopsis:

Although U.S. EPA banned the use of Polychlorinated Biphenyls (PCBs) in the 1970's, they can still be found in transformers, old PCB lighting ballasts, paint and caulk in old buildings, and in other unsuspecting places. This session will focus on requirements for transformers, and cleaning up areas contaminated with PCB Remediation Waste and PCB Bulk Product Wastes.

At the end of this presentation, the participant will be able to:

1. Understand the basics of how waste PCBs are regulated under the Toxic Substances Control Act (TSCA).
2. Apply requirements for managing used PCB Transformers
3. Understand requirements and challenges related to PCB remediation and related 'bulk product' PCB wastes.

Session T6
September 17, 2019
8:30 am – 10:00 am
Basic Level

Organizational Development

Candace Fisher

SPHR, SHRM-SCP, Certified Coach
Director, Organizational Development
HR Source
3025 Highland Parkway, Suite 225
Downers Grove, IL
(630) 963-7600
cfisher@hrsourcem.org

Candace Fisher is the Director of Organizational Development for HR Source. She assists organizations with design and implementation of talent development initiatives as well as training and development programs for their Human Resources staff, leadership, management and non-supervisory employees. She also addresses organizational issues such as management coaching and performance management.

Topic/Presentation Synopsis:

Everyone has some degree of unconscious bias, which causes people to unintentionally favor some groups. This can affect who gets hired, promoted or even listened to in meetings. Managing unconscious bias is a critical skill to ensure your workplace is a diverse, respectful, creative and vital organization.

At the end of this presentation, the participant will be able to:

1. Define and recognize unconscious bias
2. Understand the negative effects unconscious bias can have on individuals and on the organization.
3. Determine and outline steps to address and overcome personal unconscious bias.

Session T7
September 17, 2019
8:30 am – 10:00 am
Basic Level

Managing Your Company's Greatest Asset, Health

Aaron Perez

Physical Therapist
Pro-Activity Chicago
3656 West 107th Place
Chicago, IL 60655
(773) 344-4271
Aperez@pro-activity.com

Aaron Perez is a physical therapist with Pro-Activity and specializes in prevention and health promotion strategies to improve employee health. Pro-Activity has over 20 years of experience partnering with a variety of employers to manage their greatest asset, the health of their employees.

Topic/Presentation Synopsis:

Our ability to accomplish meaningful work hinges on our health. Therefore, it represents one of the greatest threats and opportunities businesses have for success. Join our session to learn how to better manage your health asset.

At the end of this presentation, the participant will be able to:

1. Understand the current health status of American workers and its impact for individuals and businesses.
2. Describe key health behaviors and practical assessments that provide useful data at the individual and population level.
3. Identify areas of improvement from aggregate health data and learn successful improvement strategies based on real world examples.

Who's in the House: Is there Validity to Post Offer Testing

Tracy Hicks

CEAS Work Steps Account Manager
Doctors of Physical Therapy
2547 Plainfield Naperville Road, Suite 152
Naperville, IL 60564
(630) 675-1296
mhuber@doctorsofphysicaltherapy.com

Tracy Hicks is a Certified Ergonomic Assessment Specialist who works with employers and insurance providers to detect ergonomic risk factors in the workplace. She began her industrial testing career while in the US Military. She has hands-on experience performing ergonomic evaluations and performing post offer testing since 2012. Her passion is to improve worker safety, mitigate the potential of repetitive injuries, all of which cause financial loss to the employer.

Topic/Presentation Synopsis:

Post Offer Testing: Who are you hiring? Protect your company by hiring the right candidate who can do the essential functions of the job. Why range of motion testing can save money on indemnity claims.

Job Demand Analysis: Identify the essential functions of the job.

Fit for Duty: Make sure the employee is ready to come back...don't buy a worker comp claim by filing to do this test.

At the end of this presentation, the participant will be able to:

1. Understand how you can make well-informed and legally-compliant employment decisions using Post Offer Testing.
2. Understanding why a candidate may look good on paper, but why that isn't good enough.
3. Why it is critical to identify the essential functions of the job.

OSHA Machine Guarding-Prevention of Amputation

Michael Serpe, CSP, BSEM

President
SafetyFirstna, Inc.
5817 North Mobil Avenue
Chicago, IL 60646
(773) 447-3982 | michael_a_serpe@yahoo.com

Michael Serpe, is President and founder of SafetyFirstna, a Chicago-based Environmental, Health and Safety consultancy firm. Mr. Serpe received his Bachelor of Science from the University of Illinois, Department of Mechanical Engineering. He is a Certified Safety Professional. Formerly Mr. Serpe was the Corporate Director of Environmental, Health and Safety at Klein Tools, Inc. Mike is a member of ASSP and the American Society of Testing and Materials. He is the Chairperson for ANSI Standard A10.44-Lockout/Tagout for the Construction industry. Mr. Serpe provides consulting and training to and for municipalities, government agencies, educational institutions and private and public companies. SafetyFirstna, Inc. provides companies help with OSHA, DOT and EPA compliance by providing customized training including specializing in company-customized training which includes specific company policies, procedures, equipment and personnel in addition to OSHA style audits customized written company EHS policies, procedures and program implementation.

Topic/Presentation Synopsis:

Good machine guarding is essential for ongoing accident-free production operations. Yet catastrophic machine guarding accidents continue to occur. This presentation will review OSHA's fundamental machine guarding requirements found in CFP 1910Subpart 1, and OSHA's National Emphasis Program on Amputation A (Directive Number CPL 03-00-019 reissued on 8/13/2015). We will discuss recognition of machine injury hazards and techniques used for machine guarding related amputation injuries in the context of OSHA's NEP Inspection Program for the prevention of amputations.

At the end of this presentation, the participant will be able to:

1. Describe the classes of machines that OSHA has identified which cause the majority or amputation injuries, the '3 S's and a P'.
2. Identify and recognize machine guarding hazards and methods employed for their control.
3. Demonstrate an understanding of OSHA's requirements for Point of Operation Guarding and for CFR Part 1910 Subpart I, Machine Guarding
4. Develop an understanding of OSHA's National Emphasis Program for Amputations

RCRA Refresher

Martin Hamper

Director

Roux Associates

1200 Harger Road, Suite 800

Oakbrook, IL 60523

(630) 572-3300

mhamper@rouxinc.com

Mr. Hamper has more than 30 years of experience focusing on environmental investigation, remediation, emergency response, safety, health, hydrogeology permitting and compliance matters. He has performed a wide range of assignments in many industries including chemical, petroleum, primary and secondary metals, manufacturing, rail, pipeline, and waste management. Mr. Hamper has provided expert testimony on hazardous waste characterization, environmental compliance, groundwater flow, contaminant transport, cost recovery and remediation.

Topic/Presentation Synopsis:

Illinois has adopted the Generator Improvement Rule which has resulted in many changes to the hazardous waste regulations. Participants' new to environmental compliance will receive a good introduction to the RCRA program and experienced environmental managers can address their annual RCRA training refresher requirement. An overview of hazardous waste regulations will be provided with specific emphasis on generator requirements, waste analysis, container management practices, satellite accumulation, etc. for hazardous waste, used oil and universal hazardous wastes.

At the end of this presentation, the participant will be able to:

1. Apply the new Generator Rule to their facility.
2. Use this training toward their required RCRA Annual Training
3. Better understand the day to day requirements for waste management

OSHA Update

Jacob Scott / Candra Jefferson

Area Director / Compliance Assistance Specialist
US – DOL OSHA

1771 W. Diehl Road Suite 210 Naperville, IL 60563

Phone Number: 630.300.7100

E-mail: scott.jacob@dol.gov / jefferson.candra@dol.gov

Jacob Scott is the Area Director for the North Aurora OSHA Office. He began his career with OSHA in 1999 and has worked as a Compliance Officer, Regional Auditor, Assistant Area Director, and Assistant Regional Administrator prior to serving in his current position. Jake graduated from Northern Illinois University in 2000 with a bachelor's degree in Industrial Technology with an emphasis in Occupational Safety. In 2005, he received his Certified Safety Professional (CSP) designation.

Candra Jefferson is the Compliance Assistance Specialist for the North Aurora Area Office. She began her career as a General Industry Compliance Officer. Before her start with OSHA, Ms. Jefferson was a Health Inspector at Tazewell County Health Department located in Central Illinois. Ms. Jefferson holds a Bachelor's Degree from Illinois State University in the Environmental Health field.

Topic/Presentation Synopsis:

Do you every wonder . . . what's going on with OSHA? This presentation will consist of current enforcement statistics, fatality data, top ten violations and compliance assistance resources.

At the end of this presentation, the participant will be able to:

1. Recognize the most frequently found OSHA violations
2. Discuss new policy and procedures
3. Describe Region V fatality cases and statistics
4. Identify helpful compliance assistance resources

Session T12
September 17, 2019
10:15 am – 11:45 am
Basic Level

Electrical Safety

Jon Koppari, MS, CSP

Curriculum Developer/Instructor

US – DOL OSHA

2020 S. Arlington Heights Rd. Arlington Heights, IL 60005

Phone Number: 847-759-7741

E-mail: Koppari.jon@dol.gov

Jon works for the DOL in the Office of Training and Education Development as a curriculum developer. Prior to this post, Jon was an instructor in the Office of Construction Safety Training. He taught various technical courses including Electrical Hazards, Power Transmission, Distribution, and Generation and Oil and Gas Upstream safety.

Topic/Presentation Synopsis:

This lesson will help employees in the workplace to understand the basics electrical concepts. In addition, employees will learn how to identify common electrical hazards in the workplace to include general industry and construction. Finally the employee will learn how to protect themselves from these common electrical hazards.

At the end of this presentation, the participant will be able to:

1. Explain basic electrical concepts
2. Identify common electrical hazards in the workplace
3. Apply feasible abatement methods for common electrical hazards

Session T13
September 17, 2019
1:15 pm – 4:30 pm
Intermediate Level

Capabilities & Limitations of Gas Detection Instruments for Unidentified Substances

Salvatore Cali, MPH, CIH

Research Industrial Hygienist

University of Illinois at Chicago and OAI Chicago

(773) 844-9180

scali@uic.edu | cali.salvatore@gmail.com

Mr. Cali has taught in a variety of industrial hygiene professional development and academic courses. He has served as investigator or project manager on numerous research projects related to manufacturing, healthcare, and environmental issues. Mr. Cali is also Principal investigator on an NIEHS training grant at OAI Chicago.

Topic/Presentation Synopsis:

Gas detection instruments may be utilized in areas where unidentified substances are present and available equipment may not be designed for specific identification or quantitation. In order to illustrate the capabilities and limitations of gas analysis equipment, this session will utilize clues provided by several difference instruments, including 4-gas meters, PID/FIDs, and others, to try to identify selected gases. This will be a demonstration and hands-on session.

At the end of this presentation, the participant will be able to:

1. Research and use chemical characteristics to help identify unknowns.
2. Understand basic gas detection equipment design
3. Operate gas detection equipment with improved confidence and proficiency

Session T14
September 17, 2019
1:15 pm – 2:45 pm
Intermediate Level

Need Coffee? Keep up with Industry and Avoid Workers Fatigue

Kristen Ross, CSP

Regional Associate Manager, EHS
Tesla
(510) 685-3347
kiross@tesla.com

Kristen is a Graduate of Purdue University and now EHS Regional Associate Manager at Tesla. Kristen is highly motivated, proactive and innovative environmental, health, safety and sustainability professional. She has delivered support and leadership across multiple divisions from aerospace, electrical, automotive and construction. She started her career with Eaton where she held positions in EHS as well as operational excellence and production.

Topic/Presentation Synopsis:

Cover a broad variety of industry changes and 'silicon valley' mindset. How EHS can prepare and align with organizational changes. Key tips and ways to influence business leaders and educate top leaders to drive EHS throughout a company to protect workers health and exceed expectations.

At the end of this presentation, the participant will be able to:

1. Understand how EHS plays a role in Silicon Valley
2. Ways to teach EHSS and influence culture
3. How to avoid workers fatigue and drive results

OSHA Combustible Dust Hazards and Prevention Measures

Michael Serpe, CSP, BSEM

President

SafetyFirstna, Inc.

5817 North Mobil Avenue | Chicago, IL 60646

(773) 447-3982 | michael_a_serpe@yahoo.com

Michael Serpe, is President and founder of SafetyFirstna, a Chicago-based Environmental, Health and Safety consultancy firm. Mr. Serpe received his Bachelor of Science from the University of Illinois, Department of Mechanical Engineering. He is a Certified Safety Professional. Formerly Mr. Serpe was the Corporate Director of Environmental, Health and Safety at Klein Tools, Inc. Mike is a member of ASSP and the American Society of Testing and Materials. He is the Chairperson for ANSI Standard A10.44-Lockout/Tagout for the Construction industry. Mr. Serpe provides consulting and training to and for municipalities, government agencies, educational institutions and private and public companies. SafetyFirstna, Inc. provides companies help with OSHA, DOT and EPA compliance by providing customized training including specializing in company-customized training which includes specific company policies, procedures, equipment and personnel in addition to OSHA style audits customized written company EHS policies, procedures and program implementation.

Presentation Description:

Combustible dust has been the cause or contributing factor in many devastating industrial accidents. Complete loss of the plant and life-threatening fire hazards for personnel can be the result. OSHA is in the process of promulgating a national standard but it is not yet issued. Therefore, companies must comply with OSHA housekeeping, fire safety, general duty clause and other standards. In addition, companies are required to obtain and implement provisions which currently in national voluntary consensus standards, such as NFPA 654 The Prevention of Combustible Dust Explosions in Industry. This seminar covers the fundamental issues surrounding combustible dust, provides historical perspective, provides example case studies, reviews OSHA's position on the subject, including enforcement, and identifies resources for student, both from OSHA and the National Fire Protection Association.

Learning Objectives:

1. Identify the elements in a combustible dust explosion and characterize the hazards of combustible dust.
2. Discuss the resources companies should draw on to build an effective prevention program.
3. List the major elements companies need to address and include in their programs, including understanding OSHA' requirements.

Session T16
September 17, 2019
1:15 pm – 2:45 pm
Basic Level

SBA Funding 101

What You Need, When You Need it.

Don Pellico

Business Opportunity Specialist
US Small Business Administration
500 W. Madison St. Suite 1150
Chicago, IL 60661
(312) 353-3962
Donald.pellico@sba.com

Donald Pellico has 35 years' experience with the US Small Business Administration in all core areas of the agency. Responsibilities included: assisting socially and economically disadvantaged businesses and individuals in the development of their business through the 8(a) Business Development Program; Provide a range of business development services to assigned clients, responding to client written request of related business actions and contracting concerns. Responsibilities also include; evaluating clients business plans, marketing plans, financial statements, mentor protégé agreements, joint venture agreements and making 8(a) and Hubzone site visits throughout the state of Illinois.

Presentation Description:

Funding 101; What you need, when you need it: Having trouble securing capital to meet your small business needs? The U.S. Small Business Administration (SBA) 7(a), 504, or microloan program is designed to help small businesses that are creditworthy but cannot qualify for a conventional loan. The SBA works with participating lenders to reduce their (bank) risk, increasing the likelihood of your loan's approval. Borrowers may use SBA backed loan proceeds for almost any legal business purpose.

Learning Objectives:

1. Understand what SBA's mission is; its core programs
2. Understand SBA's financial programs
3. How to apply for an SBA guaranteed loan

Session T17
September 17, 2019
1:15 pm – 2:45 pm
Basic Level

Cultivating a Zero Incident Safety Culture

Raco M. Lownes, CSP

Regional Manager
Health and Safety Sciences, LLC.
2901 Richmond Road, Suite 140
Lexington, KY 40509
(859) 444-4804
rlownes@healthandsafetysciences.com

Raco is the Regional Manager of Health and Safety Sciences, LLC. She has 20 years of safety experience and has served in numerous capacities. Raco earned her Bachelor's degree in Occupational Safety and Health from Murry State University. She is a Certified Safety Professional and a professional member of ASSP.

Presentation Description:

Successful companies all have at least two things in common-a successful safety program and dedicated employees! In this class, you will receive valuable information that emphasizes the importance of understanding why a Zero Incident Safety Culture is so important and how to integrate these philosophies into your organization.

Learning Objectives:

1. Define and understand the meaning of a Zero Incident Safety Culture
2. Identify the components of a Zero Incident Safety Culture
3. List the benefits of creating and maintaining a Zero Incident Safety Culture

Developing Safety Leaders

Jay Jaros

Senior Safety Consultant
WCD Group
1550 Hubbard Ave
Batavia, IL
(224) 637-0268
Jay_jaros@gbtpa.com

Jay Jaros is a Certified Safety Professional and a Professional Geologist. During his 25 year career, he has been instrumental in implementation and execution of a successful safety program on the world's largest commercial nuclear power plant decommissioning and on an oil refinery demolition project. He operated his own safety consulting firm until he merged it with WCD Group where he currently operates as a Senior Safety Consultant.

Presentation Description:

17 years ago someone saw something in the presenter and helped him develop into a safety leader for his organization. When working as the Safety Manager at the Zion Nuclear Power Plant decommissioning, he identified several workers who have become strong safety advocates. Some of those were folks who easily could have been dismissed as 'trouble makers' or seen as those who try to get the job done under any means possible. Learn to look beyond the surface and identify those workers who inspire their peers and get them on your side to become strong safety leaders

Learning Objectives:

1. Be seen as a safety leader and not as a 'safety cop'
2. Identify safety leaders in your organization who can help support the safety program so it can be successful.
3. Develop those people so they may become future safety technicians, managers, and even directors.

Session T19
September 17, 2019
3:00 pm – 4:30 pm
Basic Level

The Shocking Need for Electrical Safety and Protect the Product that Protects You

Richard A. Rivkin

President and CEO

Saf-T-Gard International, Inc.

205 Huehl Rd. Northbrook IL 60062

Phone: 847-291-1600 X 2668 Email: EMcgivern@saftgard.com

Richard A. Rivkin is President and Chief Executive Officer of Saf-T-Gard International, Inc., a privately-held family-owned and operated global supplier of industrial safety products based in Northbrook, Illinois. Rivkin joined the company in 1970 to help steer the transformation from a glove company to the global manufacturer, distributor, importer and exporter of industrial safety products and personal protective equipment (PPE) that Saf-T-Gard International, Inc. is today. Always at the forefront of the safety industry, Rivkin's career spans more than 40 years of innovation and accomplishments. He was also responsible for introducing a new stainless steel ring mesh (chain mail) technology cut-resistant PPE program to both the meat and poultry processing and food service industries.

Presentation Description:

OSHA rules and the NFPA 70E standard make the use of rubber insulating products mandatory when the probability of contact with 50 volts AC or higher exists.

The danger of workplace exposure to arc flash and electrical hazards continues to increase as workers' responsibilities expand to include interaction with electrical equipment. Nowadays, maintenance workers, janitorial staff, facilities staff and equipment operators (not just utilities and electrical contractors) all risk exposure to electrical shock. There is quite a large number of potential end users. As such, awareness is paramount. Not only about the requirements for use, but also about the requirements for in-service inspection and testing of rubber insulating equipment. This presentation will examine and answer some of the most frequently asked questions to help employers and workers better identify the need for arc flash and electrical safety and how to best utilize and maintain rubber insulating equipment for long-term safety, compliance and cost savings.

Learning Objectives:

1. To increase awareness about the requirements for use of rubber insulating equipment in industries other than electrical utilities, as the need is prevalent
2. To educate attendees about the requirements for in-service inspection and testing of rubber insulating equipment
3. To inform attendees how to best utilize and maintain rubber insulating equipment for long-term safety, compliance and cost savings

OSHA Inspections

Michael Serpe, CSP, BSEM

President

SafetyFirstna, Inc.

5817 North Mobil Avenue | Chicago, IL 60646

(773) 447-3982 | michael_a_serpe@yahoo.com

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Presentation Description:

OSHA believes in Firm and Fair Enforcement of their Regulations. Employers should know what to expect from an OSHA Inspection and be prepared at all times. This presentation will cover the types of inspections OSHA conducts, increased OSHA penalties, OSHA's Severe Violator Enforcement Program, and how employers can prepare their facilities for an OSHA Inspection.

Learning Objectives:

1. Describe the OSHA inspection process, how companies are selected, the types of inspections OSHA conducts, the new OSHA Citation Penalty Structure, and OSHA's Severe Violator Enforcement Program
2. Explain how to prepare a facility or an OSHA inspection, what essential programs and provisions a company should have in place.
3. Discuss OSHA New and Recent Reporting Requirements

Session T21
September 17, 2019
3:00 pm – 4:30 pm
Basic Level

How to Create a Safety Training Class from Scratch

Chris Bellman

Director, Professional Development
American Society of Safety Professionals (ASSP)
520 N. Northwest Highway
Park Ridge, IL 60068
(847) 768-3437
cballman@assp.org

Chris is an experienced association executive whose background includes employee and member development with a focus on facilitation, instructional design, eLearning and consulting. He currently is the Director of Professional Development for the American Society of Safety Professionals.

Presentation Description:

This session will cover the fundamentals of developing a training course following the ADDIE model.

Learning Objectives:

1. Describe the elements of ADDIE in relation to instructional design
2. Discuss what steps to take to develop a course
3. Identify when to develop training or outsource the work

Session T22
September 17, 2019
3:00 pm – 4:30 pm
Intermediate Level

**On-site Physical Therapy: An integral component to reduce
Workers Comp costs, long-term reduction in
Injuries and total absenteeism**

Aaron Kraai, PT, DPT

Founder and Owner
Doctors of Physical Therapy
2547 Plainfield Naperville Road Suite 151
Naperville, IL 60564
(630) 675-1296
mhuber@doctorsofphysicaltherapy.com

Dr. Kraai graduated from the University of Wisconsin-LaCrosse with degrees in Biomedical Science, Molecular Biology and Cellular Biology. He obtained his Doctorate Degree from the University of Southern California. In 2005 he opened his first DPT clinic with the focus on valued based health care and evidence based physical therapy. DPT has grown to 60+ clinics in 14 states. DPT provides on-site physical therapy for top national companies across the US

Presentation Description:

On-site PT/medical/wellness clinics are proven to reduce costs and claims and when properly designed, provide a significant ROI. PT onsite is for large and mid-sized organizations. Is your program reactive or proactive? If you think it's proactive, it is really???. What is the impact PT has on hard/soft costs, on maintaining a productive and healthy workforce, return-to-work and total absenteeism and related costs.

Learning Objectives:

1. Compare a truly proactive program with what is happening at their site
2. Learn the specific components of a comprehensive program; how to build, manage and maintain
3. Learn how to evaluate the ROI-it can be guaranteed and measured if structured properly

Session T23
September 17, 2019
3:00 pm – 4:30 pm
Basic Level

Cyber Security for Business

Brian Berglund

CEO

Amarius Software

4355 Weaver Parkway

Warrenville, IL 60555

(331) 305-3700

bberglund@armariussoftware.com

Amarius Software is an end node security solution that monitors the user behavior and prevents employees from sending sensitive data out of the network. Our solutions provide a forensic look into how users use the data they have access to, what they do while working and helps you understand business flow from within the network.

Presentation Description:

Everyone thinks hackers always attack from the outside but, in reality, 27 percent of data breaches are related to human errors allowing access to your data. Your most loyal employees can be unaware that the sensitive data sent in an email or attachment sent without encryption could be exposing your data.

A disgruntled employee is more than 48 percent likely to steal your sensitive data essential to your business. Right now they could be getting ready to leave your firm for a competitor and are downloading files from the web or printing off your customer list or emailing to themselves your most critical data. How would you even know?

Learning Objectives:

1. Defining the employee' role in preventing cyber threats
2. Learn the basics of how your network works and how with the right systems in place can prevent companies from being breached.
3. How employee errors and malicious behavior impact your business

Session W1
September 18, 2019
8:30 am – 10:00
Intermediate Level

Aligning EHS & Sustainability and Gaining C-Suite Buy-in

Todd Fein

CEO, Green Diamond Solutions
4513 4th Road North
Arlington, VA 22203
(703) 861-0823
tfein@greendiamondsolutions.com

Green Diamond rapidly automates, accelerates and matures organizations sustainability programs. With backgrounds in EHS&S, engineering, finance, IT, municipal government and industry, Todd and his team have helped dozens of Fortune 500 and government organizations foster change by demonstrating the business case for powerful, yet easy-to-use tools for measuring, optimizing and sustaining their performance.

Topic/Presentation Synopsis:

Todd will show EHS&S roles have evolved from compliance and reporting to a strategic function impacting organizational decision making. Learn about materiality, maturity modeling and using technology to decrease your work load and increase your value. This interactive session walks through an example of how a Fortune 500 EHS manager used these tools to manage risk and influence company strategy.

At the end of this presentation, the participant will be able to:

1. Identify you company's location on the sustainability maturity curve and how to move up.
2. Understanding the sensitivity of EHS&S to your triple bottom line.
3. Three key strategies to raise your visibility as an EHS&S professional

Session W2
September 18, 2019
8:30 am – 10:00
Intermediate Level

Leadership and Engagement: The Pathway to Health & Safety Excellence

W.E. Scott, PhD, MPH

President/CEO
Global EHSS Leadership Solutions, LLC
321 Coper Springs Lane
Elgin, IL 60124
(847) 652-2995
wscott@globalehss.com

Dr. Wes Scott is a retired military officer with over 35 years of federal service including US Army Corps of Engineers, Army Medical Command, Walter Reed Army Medical Center, and Federal Emergency Management Agency and served as the Consulting Services Director with the National Safety Council. He is currently the President and CEO of Global EHSS Leadership Solutions.

Topic/Presentation Synopsis:

Leadership and Engagement; The Pathway to Health & Safety Excellence: A growing body of research supports the importance of safety leadership in promoting employees' engagement in safety. However, the factors that give rise to these safety leadership behaviors are under-explored. This session will address this void by providing leaders with information on how to incorporate best safety practices into their daily management activities for optimal engagement throughout the organization.

At the end of this presentation, the participant will be able to:

1. Understand the importance of employee engagement and the key part it plays in business success.
2. Apply tactics that motivate and engage employees, creating advocates for the business.
3. Develop a strategy for employee engagement success.

Session W3
September 18, 2019
8:30 am – 10:00
Intermediate Level

Trends in Safety-Holistic Look at Safety, Key Drivers, Generational differences & strategies for enhancing learner participation

Drew Garverick, GSP

EHS Resource, EHS Representative for PepsiCo | 7700 West 71st. Street, Bridgeview IL
(740) 361-6616 | garverickd@findlay.edu

Donald D. Elswick, CIH, CSP, CET, CHMM

Assistant Professor, University of Findlay | 2271 Fox Run Circle, Findlay OH 45840
(419) 788-6162 | elswickd@findlay.edu

Drew Garverick studied Environmental Safety and Occupational Health Management at Findlay University. He is a current master's student studying Safety Science at Indiana University. He is a planning member and speaker for the Ohio Safety Congress & Expo.

Donald Elswick is an assistant professor of environmental, safety and occupational health at the University of Findlay. His extensive background includes working as the HESS manager at American Sugar Refining, supporting Whirlpool Corporation and oversaw the implementation of HESS policies, procedures, standards, guidelines and practices. He has been a member of and held leadership positions with the American Chemical Society, and Navy IH Association.

Topic/Presentation Synopsis:

Effective training can reduce the injuries and support the establishment of a safety culture with the workplace. Current safety training methods lag behind changes in employee learning style. The session provides methods to modernize training using adult styles/activities that engage people.

At the end of this presentation, the participant will be able to:

1. ID elements of a solid training program that advances industry lower incident rates
2. Understand generational situations/differences and discuss how their different learning styles affect training
3. Enhance the strategy/effectiveness of training regimes/programs by determining appropriate learning tools that make clear, concise effective presentations.
4. Describe different adult learning styles. Use new innovative and augmented training technologies to develop activities to keep training fun and attendees engaged.

Session W4
September 18, 2019
8:30 am – 10:00
Intermediate Level

Marijuana in Workplace-Employer Civil and Regulatory Liabilities and Recommendations

Mark A. Lies II

Senior Partner
Seyfarth Shaw LLP
233 South Wacker Drive, Suite 8000
Chicago, IL 60606
(312) 460-5877
mlies@seyfarth.com

Mark is a Labor and Employment Attorney with Seyfarth Shaw. He specializes in OSHA Law and related employment law and personal injury litigation. He graduated from the University of Notre Dame and DePaul University School of Law. He was a Commissioned Officer in the U.S. Navy and is a Vietnam Veteran.

Topic/Presentation Synopsis:

The presentation will discuss potential employer liabilities under Federal and State law involving marijuana at the workplace. It will include liabilities under workers' compensation, OSHA and employment law, as well as civil liability. The presentation will also include recommendations on employer policies, training and enforcement.

At the end of this presentation, the participant will be able to:

1. Understand current Federal and State law in Illinois relating to marijuana usage for medicinal and recreational purposes.
2. What is required for an effective policy to control marijuana usage in the workplace.
3. Potential employer liabilities for failure to have a policy under workers' compensation, OSHA and Illinois civil law.

Session W5
September 18, 2019
8:30 am – 10:00
Intermediate Level

Electrical Safety Program Management Tips (Arc Flash, PPE, training and more)

Matt Vernon

VP, Product Development
Electrical Power & Safety Company (EPSCO)
PO Box 270202, Saint Paul MN 55124
(651) 968-6296 | matt.vernon@epsco.com

Tony Jonas, CSP

Product Development Manager
US Compliance
520 Third Street, Excelsior MN 55331
(847) 530-7728 | tjonas@uscompliance.com

Matt has started his career in electrical safety at the distribution level (10 years ago) and then moved to EPSCO (3 years ago) and has been doing everything from sales to training to product development.

Tony Jonas has 20 years' experience in EHS. He has been integral in assisting clients with the management of their electrical safety programs and is a key part of the Health and Safety Division of US Compliance. He has a Bachelor's degree from Murry State University.

Topic/Presentation Synopsis:

Arc Flash and electrical safety programs are often mentioned as a pain point for safety professionals. Often it is a budgetary concern for plant management to properly recognize its ROI. This session is meant to be a Q&A on common issues professionals encounter in order to implement a program properly. This include discussions on Arc flash programs/components, how to select/manage PPE, training and verification of skills and timelines to be aware of to stay in compliance and protect your employees.

At the end of this presentation, the participant will be able to:

1. Prioritize the activities that employees must do to implement an Electrical Safety Program
2. Recognize strategies for providing immediate protection and education for affected employees.
3. Identify time tables that employees must keep in mind to maintain compliance.

Session W6
September 18, 2019
8:30 am – 10:00
Basic Level

Saving Lives by Understanding & Assessing Machine Guarding

David Regelbrugge, CIH, CSP

Partner Engineering & Science, Inc.
450 E. 22nd Street, Suite 120
Lombard, IL
(630) 220-3364
dregelbrugge@partneresi.com

Mr. Regelbrugge is an American Board Certified Industrial Hygienist and a Certified Safety Professional with over 30 years of occupational health and safety experience. Throughout his career, he has completed thousands of employee exposure evaluations, health and safety audits, indoor air quality (IAQ) studies, and site safety investigations in a variety of different industries. He is a recognized OSHA compliance expert and has helped some of the world's largest companies resolve some of their most challenging occupational health and safety issues.

Topic/Presentation Synopsis:

Every year hundreds of workers throughout the U.S. are killed or suffer life changing injuries due to machine guarding issues. This presentation will assist the attendees in identifying and assessing machine guarding issues. Helpful standards, tools and recommendations that can be used to guide these assessments will be discussed. If you're interested in conducting machine guarding reviews or simply want to learn more about this important topic, you won't want to miss this presentation.

At the end of this presentation, the participant will be able to:

1. Identify common machine guarding issues.
2. Locate standards, tools and recommendations that will assist in their machine guarding assessments.
3. Use the skills presented to assess and resolve common machine guarding issues.

Session W7
September 18, 2019
8:30 am – 10:00
Basic Level

Every Step You Take...Walking Working Surfaces Update

John Foston

Field Safety Specialist
W.W. Grainger, Inc.
100 Grainger Parkway Lake Forest, IL 60045
(630) 532-2035
John.foston@grainger.com

John has 35 years' experience as a Qualified Safety Sales Professional; Safety Management Specialist and Field Safety Specialist for Grainger Industrial Supply. I assist our customers with ensuring a safe, productive and profitable workplace by assisting with training to drive compliance and productivity.

Topic/Presentation Synopsis:

OSHA updated the Walking and Working Surfaces Standard in November 2016. This session will address the changes that every business needs to know to be compliant with floors, ladders, open-sided platforms, stairways, docks and roofs. Several items have been 'grandfathered' and some items have phase in periods while other items need to be implemented now!

At the end of this presentation, the participant will be able to:

1. Understand changes to walking-working surfaces (Subpart D) rule
2. Demonstrate cost savings
3. Develop action plans to comply with key components of the rule.

Office Ergonomics

Gia Garofalo

Physical Therapy Assistant
Certified Ergonomic Assessment Specialist
Advanced Office Ergonomic Specialist
CIS Onsite
9964 144th Street
Orland Park, IL 60462
(866) 298-1312
jpanozzo@cisonsite.com

Gia Garofalo is an Senior Early Intervention Specialists/educator for CIS Onsite. She is a Licensed Physical Therapy Assistant with Certifications in Ergonomics and Advanced Office Ergonomics. Gia graduated from Benedictine College with a BS in Pre-Physical Therapy/Health Science. She received her Associated in Physical Therapy Assisting from Elgin Community College.

Topic/Presentation Synopsis:

Attendees will be educated in the steps to evaluate and set up a proper workstation design. Employee stretching programs and specific prevention techniques will be addressed with demonstration and participation. Information to minimize risk through education of work stressors and worker habits will be provided.

At the end of this presentation, the participant will be able to:

1. Working knowledge of office ergonomics with discussion on proper office workstation setup.
2. Have knowledge of the two main factors that need to be considered when evaluation office ergonomics.
3. Understand the importance of the inclusion of an employee stretching program through discussion of basic anatomy, proper lifting, body mechanics and ergonomic factors.

Session W9
September 18, 2019
10:15 am – 11:45 am
Basic Level

Adaptive Workforce Ergonomics

**Understand how your body adapts to the work
Environment and develop solutions to avoid injury**

Dan Minnich, CEO
Vince Catteruccia Ph.D

Aegis Injury Management
6006 W. 159th Street
Oak Forest, IL 60452
(888) 969-8686
Administration@aegisrehabinc.com

Dan and Vince are building an industrial athlete-centric platform to scale nationally that upends traditional case management, soft tissue injury management and initiate an accurate and functional workforce assessment to develop a preventive care program that fundamentally change lives while driving down costs.

Topic/Presentation Synopsis:

Your employees are industrial athletes and are facing all types of injuries. Understanding how the body adapts to the work being performed and ways to avoid the threat of soft tissue injuries start with adaptive ergonomics.

At the end of this presentation, the participant will be able to:

1. Understand why your employees are vulnerable to soft tissue injuries.
2. Develop ways you can manage a soft tissue injury more effectively and cost efficiently.
3. Develop company wide solutions to prevent soft tissue injuries.

Working High: Navigating Safety with New Marijuana Laws

Carlos Galindo

Director Health and Safety

Katie Johnson, MPH, ASP

EHS Supervisor

US Compliance

520 Third Street, Excelsior, MN

(847) 530-5998 cgalindo@uscompliance.com

Carlos is the Director of Health and Safety for the Health and Safety Division at US Compliance. He is responsible for management of operational duties for the division including Operations, Client Management, business development, regulatory support and international work in Latin America.

Katie is a Health and Safety Services Team Lead for US Compliance. She leads her team to implement, execute and ensure compliance with all federal, state and local OSHA and EPA for a growing client base. She completed her undergraduate degree in Biology at Augustana College and a Master's in Public Health in Environmental and Occupational Health Science.

Topic/Presentation Synopsis:

Due to legalization of marijuana, business owners will be faced with a new dilemma of how to handle employees, clients and suppliers who may be exposed to marijuana. The purpose of the training is to provide basic instruction on how to recognize a person who has consumed marijuana and could potentially be under its influence. Identify potential risks for clients, employees and the public.

At the end of this presentation, the participant will be able to:

1. Recognize signs of marijuana use
2. Recognize hazards that may be present when working under the influence of cannabis.

Session W11
September 18, 2019
10:15 am – 11:45 am
Basic Level

Safety through the Gift of GAB (Goals, Attitude, Behavior)

Connor Cunneen

Irishman Speaks
1376 Hunter Circle, Naperville IL 60540
(630) 718-1643 cc@IrishmanSpeaks.com

Conor Cunneen – IrishmanSpeaks , former VP of Marketing at Unilever, is an Irish keynote speaker, author and business humorist who claims to be happily exiled in Chicago, where he says the natives are friendly and he has been force fed more corned beef than he ever had in Ireland.

Topic/Presentation Synopsis:

Safety isn't about codes and manuals. Safety is what's between your ears and those of your colleagues. Safety is about clear daily Goals, the right Attitude and the right Behavior.

At the end of this presentation, the participant will be able to:

1. Appreciate the power of daily micro-Goals to create a better and safer work environment
2. Understand the power of choosing your Attitude
3. Audit their personal Brand and Behavior

10 Proven non-conventional Safety Techniques and Practices to Turn Around a Problem Plant

Jean Ndana, ASP, CSP, PMP, SSBB

Health and Safety Manager
Michigan Seamless Tube
400 McMunn Street, South Lyon MI 48178
(586) 243-9429 jndana@mstube.com

Jean is an Engineer by training and has been in the EHS arena for 20+ years. Her experience in EHS spans across multiple industries including oil and gas, food, automotive, construction and steel mills. She authored several peer-reviewed articles and was named the 2017 J.J. Keller Safety Professional of the Year and received an 'Honorable Mention' recognition during the 2018 ASSP Innovation Awards.

Topic/Presentation Synopsis:

Is it possible to reverse a decades-long trend of poor safety performance in only 2 years in a unionized manufacturing plant? Come and learn how, through the use of non-conventional techniques, tactics and routines. One unionized manufacturing plant whose safety performance nearly landed it on OSHA's severe violators list was spectacularly transformed into a bastion of safety and ultimately a profit machine.

At the end of this presentation, the participant will be able to:

1. Participants will be able to apply non-traditional practices such as story-based messages and accountability partnership in order to garner management buy-in for safety.
2. Participants will be able to use non-traditional safety diagnosis tools to uncover visible health and safety issues an organization is facing but also issues that are lying dormant.
3. Participants will use a series of tools and practices in order to transform workers into safety evangelists.

Session W13
September 18, 2019
10:00 am-11:45 am
Basic Level

Inside and Out: Pedestrian Safety

John Foston

Field Safety Specialist
W.W. Grainger, Inc.
100 Grainger Parkway Lake Forest, IL 60045
(630) 532-2035
John.foston@grainger.com

John has 35 years' experience as a Qualified Safety Sales Professional; Safety Management Specialist and Field Safety Specialist for Grainger Industrial Supply. I assist our customers with ensuring a safe, productive and profitable workplace by assisting with training to drive compliance and productivity.

Topic/Presentation Synopsis:

Review of best pedestrian protection programs from both inside the facility and outside the facility including parking lots enhancements, mirrors, signage, and training and innovative intersection controls solutions to improve safety around moving vehicles.

At the end of this presentation, the participant will be able to:

1. Define the cost of a pedestrian and powered equipment incident.
2. Identify common hazards related to pedestrian and powerful equipment.
3. Provide common solutions to hazards posed by pedestrian and powered equipment interaction.

Session W14
September 18, 2019
10:15 am – 11:45 am
Intermediate Level

Fall Protection: General Industry or Construction Where Do You Fall?

Brian Steiber, OHST, CET, SMS

Chicagoland Construction Safety Council
4415 West Harrison, Suite 404
Hillside, IL 60162
(708) 449-8600 ext. 203
bsteiber@buildsafe.org

Brian is authorized to train employees in General Industry, Construction Industry and the Electrical Transmission and Distribution Industry. He is also a Disaster Site Worker Trainer. His decades of experience in the telecommunications industry enhance every presentation and serve as the foundation of his qualification as a fall protection specialist.

Topic/Presentation Synopsis:

There are several regulations that require employers to protect employees from falling. All regulations are not the same. Therefore, what is appropriate for one situation may not be acceptable for another? It is important to remember that regulations apply to the task-not the occupation of the worker.

At the end of this presentation, the participant will be able to:

1. Identify which fall protection standard applies to your immediate work activities.
2. Select fall protection using the general requirements of the appropriate subpart.
3. Implement an effective fall protection system for your task.

Session W15
September 18, 2019
1:15 pm – 2:45 pm
Intermediate Level

Sport vs. Industrial Athlete

Physical Demands and Successful Risk Control Methodologies

Brock Anderson

CEO, VP Technical Consulting
Ergo-ology, LLC
PO Box 723963 Atlanta, GA 31139
(404) 804-6383 info@ergo-ology.com

Brock Anderson is the Owner & Principal Consultant of Ergo-ology. His passion for enhancing human performance and establishing operation efficiency has landed the attention of leaders in both Sports and Industrial settings.

Before launching Ergo-ology in 2015, Brock worked for organizations like the Atlanta Falcons, NASA, Coca-Cola, Gulfstream Aerospace, the USA Olympic Weightlifting Team and conducted several years of Muscle Fatigue Research at Auburn University. He has Master's degrees in Biomechanics and Exercise Physiology along with a post-graduate certification in Occupational Ergonomics from Auburn University's Industrial Engineering Department.

Brock is a Certified Professional Ergonomist (CPE), a Certified Industrial Ergonomist (CIE), a Strength and Conditioning Specialist (CSCS) and Certified Lean Six Sigma Black Belt (LSSBB).

Topic/Presentation Synopsis:

Industrial professionals turned to Olympic competition and professional sports to redefine the definition of front-line associates. The phrase "industrial athletes" is a description born out of similarities in human performance and the stress-response generated by a physically demanding task. Yet, there are still enormous differences between today's finely tuned athletes and the broad mix of employees who occupy the workaday world. While athletic coaches and corporate health professionals share a common goal, maximizing performance and minimizing injury, they take two very different approaches based on the similarities and differences in each athlete's environment and task requirements. This presentation will compare and contrast these two settings and uncover best practices to managing risk and improving performance, all while pointing out several practices in one setting may not be advantageous in the other.

At the end of this presentation, the participant will be able to:

1. Identify the elements which are physical demands in the workplace.
2. Understand how these physical demands work together to enhance physical fatigue.
3. Understand the differences in athletes' goals and constraints between sport and industry.
4. Observe successful risk mitigation strategies to help athletes achieve their goals.

Session W16
September 18, 2019
1:15 pm – 2:45 pm
Intermediate Level

A Star is Born!? How to Avoid Becoming the Star Witness for the Opposing Side After an Environmental Incident

Anthony Hopp, Partner

Libretta Stennes, Partner
Steptoe & Johnson, LLP
115 S. LaSalle Street Suite 3100
Chicago, IL 60603
(312) 577-1249

ahopp@steptoe.com lstennes@steptoe.com

Tony Hopp is a partner and trial lawyer in Steptoe & Johnson's Chicago office. He has over 25 years of experience representing commercial and industrial clients in environmental and toxic tort matters.

Libby Stennes is a respected complex commercial disputes lawyer who skillfully manages clients' legal risk before claims are filed through ultimate resolution. She defends lawsuits filed after highly-publicized events and regulatory scrutiny, including the Tennessee coal ash spill. Libby also partners with clients to implement compliance programs.

Topic/Presentation Synopsis:

The primary focus of environmental health and safety professions following a release of hazardous substances should be to protect the employees, the public and the environment from continuing harm. But litigation often follows soon after, and missteps in creating or retaining records and other evidence may result in an unwelcome 'fifteen minutes of fame' for the environmental professional. This panel will provide real world examples of high profile stores following releases of hazardous substances and give you practical tips for avoiding the same mistakes.

At the end of this presentation, the participant will be able to:

1. Understand how the discovery process works in litigation following an accident
2. Avoid creating evidence which will unnecessarily prejudice his or her employer in litigation.
3. Prevent motions for sanctions based on the alleged destruction of evidence.

Vetting Safety Policies

Jeffrey W. Moran

Owner
Jeffrey Moran Group, LLC
900 Terrace Avenue
Woodbridge NJ 07095
(732) 742-0566
Jwmoran900@aol.com

Jeffrey W. Moran is a Safety Consultant and retired Shift Commander/Training Officer of the Woodbridge NJ Fire Department who specialized in safety and fire protection in refineries. He has a Master of Administrative Science and an undergraduate degree in both Fire Science and Political Science. He is an EMT and ASSP member and an instructor for the NJ Fire Level II, Drill Ground, OSHA Outreach, AHA, CPR, HazMat, Confined Space, Fire Ground Survival and ISFSI State Ambassador.

Topic/Presentation Synopsis:

The presentation will blend the use of management analysis applications, open discussions evaluation techniques and two-way vertical and horizontal employee participation. This will enhance employee buy in by increasing ownership by all employees. Attendees will actively partake in a policy/procedure vetting exercise.

At the end of this presentation, the participant will be able to:

1. Describe and implement a SWOT type analysis of safety policies and procedures.
2. Explain and utilize an open, unbiased evaluative discussion of safety policies and procedures.
3. Use these in a two-way vertical and horizontal vetting process to enhance an all level buy in to safety policies and procedures.

Session W18
September 18, 2019
1:15 pm – 2:45 pm
Basic Level

Using EPA's New Electronic Manifest System: The Details

Thomas J. Crosetto

Region 5 RCRA Database Coordinator
US Environmental Protection Agency, Region 5
77 West Jackson Boulevard, Chicago, IL 60604
(312) 886-6294
Crosetto.thomas@epa.gov

Thomas has worked for 29 years at EPA's Region 5 office in Chicago and at various times in the RCRA, TSCAA, FIFRA, EPCRA and CERCLA programs. I received his GS in biology from the University of Wisconsin-Parkside with graduate coursework at the University of Wisconsin in Madison.

Topic/Presentation Synopsis:

I will present a background of EPA's RCRA rule changes related to haz waste manifests, and will demonstrate how to create an account to use EPA's new electronic manifest system and how to submit a manifest electronically to the EPA.

At the end of this presentation, the participant will be able to:

1. Understand the EPA's 2018 RCRA rule changes related to haz waste manifests.
2. Create a use account to access EPA's new electronic manifest system.
3. Submit a manifest electronically to EPA using the new e-Manifest system

Session W19
September 18, 2019
1:15 pm – 2:45 pm
Intermediate Level

Xs and Ys: Opening Communication and Mentorship through Generational Differences

Wyatt Bradbury, ASP

Matthew Law MPH, CSP, REHS/RS

W.W. Grainger

723 Brighton Court, Sevenrna Park, MD 24416

(714) 309-0462 Bradbury.wyatt@gmail.com

Bradbury is an ASP and pursuing a Masters of Engineering from UAB. He serves as the President for the National Capital Chapter.

Matthew is a CSP, a REHS, and holds a MPH. He is a Director of the National Capital Chapter and a United States Navy Reserve Environmental Health Officer.

Topic/Presentation Synopsis:

Professionals throughout the generations have a variety of education and experiences that guide their opinions, attitudes, communication styles, and approaches to work, professional development, and safety. This presentation will discuss how to leverage these differences to propel our industry forward to protect people, property and the environment.

At the end of this presentation, the participant will be able to:

1. Understand the differences between the generations and how this relates to attitudes toward work, professional development and safety.
2. Determine strategies that can be used to successfully communicate across the generational gaps in each generational language.
3. Identify the roles of mentor and mentee and how these roles can interact successfully for the benefit of both parties.

Reasonable Suspicion Training

Tom Thoelecke, Founder

InOut Labs
6440 Dempster Street, Morton Grove IL 60053
(847) 657-7900 tim@inoutlabs.com

Tim is the founder of InOut Labs. InOut Labs is a nationwide provider of employee drug testing services. He is a graduate of the Goldman Sachs 10,000 Small Business program and founded InOut Labs to help employers and individuals take control of their health, culture and safety. Tim is an enthusiastic networker and enjoys connecting people. InOut Labs is BBB Accredited with an A+ Rating.

Topic/Presentation Synopsis:

Every organization should have supervisors who are able to appropriately and effectively identify possible substance abuse on the job. Employee drug and alcohol testing cannot be performed based on a mere hunch.

Reasonable Suspicion Training delivers the necessary tools and skills to recognize and appropriately handle employees exhibiting signs of substance abuse. This helps your supervisors gain the knowledge and confidence they need to make reasonable suspicion determinations.

At the end of this presentation, the participant will be able to:

1. Recognize workplace problems that may be related to alcohol and other drugs.
2. Intervene in problem situations.
3. Avoid enabling and common supervisor traps.

Hearing Conservation

Kevin Aikman, PhD

Director of Industrial Hygiene Services
United Analytical Services, Inc.
3020 Woodcreek Drive, Suite F, Downers Grove, IL 60515
(630) 691-8271 kaikman@uas1.com

Dr. Aikman earned his Ph.D. in Plant Biology from Southern Illinois University in 1992. He started his career at United Analytical Services in 1992 and purchased UAS in 1998. He earned his ABIH certification as a Certified Industrial Hygienist in 1998 and named an AIHA Fellow in 2014. He is the Director of Industrial Hygiene Services and Laboratory Director of the NVLAP accredited asbestos laboratory at UAS. Dr. Aikman actively performs and directs OSHA compliance air and noise projects throughout the US in both general and construction industries.

Topic/Presentation Synopsis:

Noise-related hearing loss is one the most common occupational injuries for more than 25 years. According to the CDC, an estimated 22 million US workers are exposed to hazardous noise in the workplace. Penalties for the OSHA Occupational Noise Standard totaled over \$1.3 million across all industries in 2013-2014. This presentation will outline the key components of a written Hearing Conservation Program to prevent initial hearing loss, preserve and protect remaining hearing and equip workers with the knowledge and hearing protection devices necessary to properly protect their hearing.

At the end of this presentation, the participant will be able to:

1. Clearly understand the required components of a Hearing Conservation Program for OSHA employees.
2. Understand requirements of noise monitoring, identifying occupational exposure groups, audiometric testing and implementation/maintenance of a written program.
3. Become familiar with types of noise measuring equipment and hearing protection.

Session W22
September 18, 2019
3:00 – 4:30 pm
Intermediate Level

The Use of Telemedicine for Triage and Decreasing Musculoskeletal Claims and Dollars

Melissa Gill, DPT, Owner

On-Site Solutions Physical Therapy
6828 Hemlock Lane | Maple Grove, MN
(763) 657-7547 | mgill@onsitesolutionspt.com

Melissa received under graduate degree in Business and Marketing from the University of Minnesota-Duluth. After realizing her passion for physical therapy, she received her Master's in Physical Therapy degree from the University of Mary in Bismarck ND. She received her Doctorate in Physical Therapy from St. Catherine University in St. Paul MN. Throughout the years, she has worked in a variety of settings, with orthopedics as her area of concentration. She has focused her practice to work related injuries and assisting injured workers back to work. She opened her own business in 2008 to provide on-site physical therapy, injury prevention and early intervention, and wellness education at the work-site. She is passionate in assisting the segment of the population that ignores their health issues..until it is too late.

Topic/Presentation Synopsis:

Looking for innovative solutions to reach and engage employees and decrease aches and pains? We will discuss how early intervention and triage telemedicine with physical therapists can be beneficial to your employees as well as your bottom line. Learn how to provide solutions within OSHA First Aid guidelines while assisting your employees.

At the end of this presentation, the participant will be able to:

1. Identify ways in which early intervention can benefit employers and employees to decrease work and non-work musculoskeletal issues.
2. Describe ways in which triage can be utilized effectively for employees while remaining compliant with OSHA guidelines.
3. Develop a strategy for creating an effective early intervention.

Electrical Safety in the Workplace

Ed Gorman

Director of Risk Control Services, Retired
Aires Consulting Group
Ed.gorman48@gmail.com

Ed Gorman is a recently retired (2017) senior safety professional of Aires Consulting Group (now Gallagher Bassett Services, Inc., WCD Group Division) where he was the Director of Risk Control Services. Ed has extensive safety experience in all phases of safety work, including electrical safety. He has worked in manufacturing, heavy industry and construction providing audits, program development and implementation (training). He understands electrical safety and has trained on 70E, as well as other pertinent electrical safety topics. He currently provides independent safety consulting for various entities on a select basis.

Topic/Presentation Synopsis:

The risk of electrical shock from correctly installed and maintained power sources is negligible, provided that sensible precautions are taken by the operator and correct work procedures are followed. It is critical that the right person is carrying out electrical work and that you know the difference between a qualified person and a competent person. Electricity is essential but, improperly used, it can be deadly.

At the end of this presentation, the participant will be able to:

1. Identify potential electrical hazards that could impact employees in the workplace.
2. Know the difference between a qualified and competent person.
3. Understand the importance of 'Taking Safety Home' and sharing your safety expertise with family and friends.

Early Intervention: Make the Pain Go Down the Drain with Telemedicine

Julie DeBacker, OTL,MS, VP On-Site Services
Deanna Polle, PT, DPT, CMPT, Chicago Area Manager

Doctors of Physical Therapy
2547 Plainfield Naperville Road, Suite 152, Naperville, IL 60564
(630) 675-1296
mhuber@doctorsofphysicaltherapy.com

Julie has over 25 years in the industry, has presented on developing light duty programs and safe handling practices, is experienced in job assessments, post offer performance testing, and return to work management. She has experience in metal press operations, trucking, auto manufacturing, cereal processing, beverage distribution, city and county services, health care, railroad, leather tanning, warehouse/distribution, and meat processing.

Dr. Polle received her undergraduate degree in Health Sciences from Creighton University in Omaha, Nebraska. She earned her Doctorate Degree in Physical Therapy from Creighton University in 2008. Dr. Polle took the opportunity to utilize her clinical rotations to travel the US and hone her Spanish language skills, especially in the Dominican Republic where she has been and continues to volunteer her skills at the Institute for Latin American Concern (ILAC). She has since worked in multiple settings including, hospital/skilled nursing, and outpatient care to give her a large breadth of experience across multiple disciplines.

Topic/Presentation Synopsis:

Approximately 60% of musculoskeletal (MSK) injuries will heal with simple first aid treatment. Statistical evidence that early intervention using first aid by an msk expert, reduces your recordables and improves your productivity. Learn how telemedicine may be an inexpensive way for your employees to discuss their symptoms at the time of pain rather than wait until the next day. Quick identification of serious injuries improves outcomes and improves confidence in the early intervention system. And way goes pain down the drain (not your money)

At the end of this presentation, the participant will be able to:

1. Know the three primary requirements of a telemedicine system.
2. Understand the basic principles and outcomes of remote consultation by a physical therapist.
3. Understand the purpose and uses of remote coaching.

Session W25
September 18, 2019
3:00 – 4:30 pm
Basic Level

Safety Training Across the Generations

Jeffrey W. Moran

Owner
Jeffrey Moran Group, LLC
900 Terrace Avenue
Woodbridge NJ 07095
(732) 742-0566
Jwmoran900@aol.com

Jeffrey W. Moran is a Safety Consultant and retired Shift Commander/Training Officer of the Woodbridge NJ Fire Department who specialized in safety and fire protection in refineries. He has a Master of Administrative Science and an undergraduate degree in both Fire Science and Political Science. He is an EMT and ASSP member and an instructor for the NJ Fire Level II, Drill Ground, OSHA Outreach, AHA, CPR, HazMat, Confined Space, Fire Ground Survival and ISFSI State Ambassador.

Topic/Presentation Synopsis:

The presentation will outline basic generational characteristics and how they influence learning. The differences in acceptance of and willingness to question information and how we bridge the gaps to get a message across will be the focus. Methods of inclusion and idea exchanges across generations will be presented.

At the end of this presentation, the participant will be able to:

1. Identify basic characteristics of the generations
2. Describe the differences in how generations receive and accept information
3. Use this information to cross the generations in developing training sessions

Session W26
September 18, 2019
3:00 – 4:30 pm
Intermediate Level

Design for Ergonomics: Concepts to Eliminate Risk and Boost Productivity

Brock Anderson

CEO, VP Technical Consulting
Ergo-ology, LLC | PO Box 723963 | Atlanta, GA 31139
(404) 804-6383 info@ergo-ology.com

Brock Anderson is the Owner & Principal Consultant of Ergo-ology. His passion for enhancing human performance and establishing operation efficiency has landed the attention of leaders in both Sports and Industrial settings.

Before launching Ergo-ology in 2015, Brock worked for organizations like the Atlanta Falcons, NASA, Coca-Cola, Gulfstream Aerospace, the USA Olympic Weightlifting Team and conducted several years of Muscle Fatigue Research at Auburn University. He has Master's degrees in Biomechanics and Exercise Physiology along with a post-graduate certification in Occupational Ergonomics from Auburn University's Industrial Engineering Department.

Brock is a Certified Professional Ergonomist (CPE), a Certified Industrial Ergonomist (CIE), a Strength and Conditioning Specialist (CSCS) and Certified Lean Six Sigma Black Belt (LSSBB).

Topic/Presentation Synopsis:

In everyday life people interact with tools, devices, equipment and facilities. The design of these item's impact our ability to accomplish specific goals and to do so in an efficient manner. For the most part, design engineers have limited exposure to ergonomics and human performance in their academic studies and thus, find themselves designing for function vs. usability. Designing for Ergonomics must include examination of physical and mental capacities of people and designing or changing things (tools, devices, equipment, etc.) rather than trying to change people. This presentation will provide insight to human capabilities & limitations, standard phases of the design process and specific examples of successful ergonomics design implementations.

At the end of this presentation, the participant will be able to:

1. Understand the key drivers that engineers consider in the design process.
2. Identify objects/ designs that have poor usability, reliability and functionality.
3. Understand how to improve / redesign objects to enhance use and reduce human error.

Why am I doing this? – or Don't create a violation where there is no hazard

Don Phillips

Corporate EH&S Director
NTN Americas
795 Kimberly Drive
Carol Stream, IL 60188
(630) 517-4802 | dphillips@ntnusa.com

Don has been involved in employee safety for more than 25 years, during which time he has consistently set the PASE (Positive Attitude & Safety Everyday) for employees to follow. He is currently the Corporate EHS Director for NTN USA, based in Mt. Prospect. Don is a qualified OSHA Outreach trainer in general industry with experience developing and delivering safety training programs, facilitating safety committees, and conducting safety audits. He also specializes in incident investigation, workers compensation and OSHA and EPA compliance. Don is the President of SafetyDon, LLC, a consulting company specializing in safety for small and mid-size companies, and is entering his 39th year as the voice of the Coal City Coalers.

Topic/Presentation Synopsis:

Is it a PRCS, CS, ES or just a space? Do I need a permit? Can I block this? Should I follow LOTO for this? How do I guard this? No one wants to leave a safety hazard unchecked but sometimes can be too careful? Following the wrong rules can be just as dangerous as not following any rules. This interactive presentation will look at when we need to follow the rules and what rules we need to follow; from the magic words in the LOTO standard, to what to do with the aisle to nowhere.

At the end of this presentation, the participant will be able to:

1. Understand the differences between a hazard and a violation.
2. Identify rules, regulations, standards and best practices
3. Make informed choices about what guidance to follow and when

Incident Command

Chuck Wehrli

Retired Captain
Naperville Fire Department
4033 Ashwood Park Ct
Naperville, IL 60564
(630) 207-6949
FireL7@aol.com

Chuck has been involved with the Fire Service for 49 years and retired out as a Captain/Alternate District Chief. He is a National Fire Academy Instructor teaching Incident Command.

Topic/Presentation Synopsis:

Complete the sentence below, starting with an active verb such as 'create, describe, demonstrate, develop, define, identify, illustrate, list, locate, p[resent, use'. Remember the objective is what you will expect the learner to know, say or do after leaving your session. It is not what you are going to do.

At the end of this presentation, the participant will be able to:

1. Understand the Incident Command System
2. Assist First Responders at an emergency

Session R1
September 19, 2019
8:30 am – 4:30 pm
Basic Level

Machine Safety, Machine Guarding- What you need to know and why

Carlos Gallegos

Director, Office of Occupational Safety Training, OSHA Training Institute
2020 S. Arlington Heights Road, Arlington Heights, IL 60005
(847)759-7756 | gallegos.carlos@dol.gov

Jeff Winter

Director, Safety Practice | Grantek Systems Integration
903 Commerce Drive, Unit 200 Oak Brook, IL 60523
(773) 318-0528 | jeff.winter@grantek.com

Carlos started his safety career in the U.S. Air Force and has since held several enforcement positions within U.S. DOL OSHA, including Instructor and Regional Safety Specialist for Region 5. He has served as Area Director, Assistant Area Director, and now as the Director of Occupational Safety Training at the OSHA Training Institute.

Jeff Winter is the director of Grantek Systems Integration's Safety Practice, where he leads a team of engineers in developing and delivering machine safety services across North America. With over 10 years of experience working for several different safety product manufacturers, he has a unique experience in bridging OSHA regulatory compliance and safety standards interpretation with engineering requirements and corporate safety strategy. Throughout his career he has been a leader in educating the industry on the benefits of machine safety through hosting best practice industry events, participating in speaking engagements, developing white papers, and writing technical articles. Jeff is also a TÜV Functional Safety Engineer, Board Certified Safety Professional, voting member of the ANSI B11 Accredited Standards Committee, and officer for American Society of Safety Engineers (ASSE)

Topic/Presentation Synopsis:

Lockout Tagout and/or machine guarding-related hazards contribute to vast majority of amputations in the workplace. Therefore, employers must learn when to employ either or, to prevent such injuries.

Machine Safety: Everyone knows it's important, everyone knows it's required, and everyone knows it's just the right thing to do. But how do you move forward when standards and technology seem to be changing every day? Since 2010, it can be argued there have been more standard changes and technology advancements in machine safety than the previous 40 years combined. How are companies embracing these changes? How do they know they have embraced them correctly? As technology becomes more complicated and advanced, it can become very easy to lose sight over how that technology is actually providing a safer place of employment.

This session includes updates on the newly released 2016 ANSI/ASSE Z244.1 Standard on Lockout, Tagout, and Alternative Methods.

At the end of this presentation, the participant will be able to:

1. Understand the changing Industry consensus standards and how they relate to regulatory requirements
2. Understand the process for applying safeguarding to machinery
3. Understand the differences and similarities between safeguarding and Lockout/Tagout
4. Identify work activities where Lockout is needed
5. Understand what conditions the LOTO exception applies toward
6. Identify safeguarding necessary to work under the LOTO exemption

Deposed: Will you be deflated and dethroned or will you dominate?

Brian Rosenblatt

200 N. LaSalle Street, Suite 2700 | Chicago, Ill 60601
(312) 327-0056 | Brosenblatt@bdlfirm.com

Don Phillips

795 Kimberly Drive | Carol Stream, Il 60188
(630) 517-4802 | dphillips@ntnusa.com

Brian is a partner at Bryce Downey & Lenkov where he is focused on entertainment law, intellectual property, corporate matters, and general liability litigation. Brian is AV rated through Martindale-Hubbell, named to the Illinois Super Lawyers and Leading Lawyers lists from 2010-2018 and is an active member of the National Academy of Recording Arts & Sciences.

Don is the Corporate EHS Director for NTN USA. He is a qualified OSHA Outreach Trainer in general industry with experience in developing safety training programs, facilitating safety committees and conducting safety audits. He also specializes in incident investigation, workers compensation and OSHA/EPA compliance. Don is the President of SafetyDon, LLC, a consulting company specializing in safety for small and mid-size companies, and is entering his 39th year as the voice of the Coal City Coalers.

Topic/Presentation Synopsis:

The phone rings as the process server walks through your door. “Who are you and how did you know I was getting a subpoena? Clack. “You want me to sign what? It’s the same feeling you get when you see the red lights in your rear view mirror or when HR walks into your office and closed the door. But now the stakes are a little higher, you have to testify. What happens next? This interactive presentation will begin with tips on how to be prepared and carry through with Attorney Rosenblatt deposing EHS Director Don Phillips. Are you ready to be on the hot seat?

At the end of the presentation, the participant will be able to:

1. Know what to do when served a subpoena to testify
2. Understand their rights and responsibilities
3. Know how to present themselves and their company in a positive light.

Session R3
September 19, 2019
8:30 am – 10:00 am
Basic Level

Household Hazardous Waste Awareness

Michael Schroader, CHMM

4343 Kimberly Avenue
East Chicago, Indiana
(219) 688-9100
Mike.schroader@tradebe.com

Mike is the current Past-President of the Chicago Chapter of AHMP and comes with 18 years in hazardous waste management, transportation, and disposal industry working with various entities. One of his responsibilities has been to organize and operate local, one-day household waste collection events. Working with city, county and state agencies; these events provide a safe and environmentally friendly source for residents to properly dispose of used and expired hazardous household products.

Topic/Presentation Synopsis:

Basic overview of hazardous household products and their identification based on their characteristics. We look at common household products found at your typical collection event, how they are managed, segregated, and ultimately disposed of. We will also see how we protect ourselves and the site through the proper use of PPE, work zones and small spill response.

At the end of the presentation, the participant will be able to:

1. Understand basic properties of common household products
2. Know the proper management of hazardous household products
3. Understand how local collection events operate to properly manage household hazardous products

Session R4
September 19, 2019
8:30 am – 10:00 am
Intermediate Level

Silent Danger: Crucial Conversations to Drive Workplace Safety

Ashley Dittmar-Galassi

282 River Bend Lane, Provo, Utah 84604
(262) 844-8334
events@vitalsmarts.com

Ashley Dittmar-Galassi works as Director of Client Delivery and Solutions for VitalSmarts, a global leader in leadership development. For more than ten years she has taught life-changing skills to professionals at all levels. She brings energy to every presentation and ensures learners have a fun experience while they learn skills to achieve individual and organizational goals.

Topic/Presentation Synopsis:

Unsafe conditions persist in the workplace today not because of faulty equipment or protocols, but because of cultural norms. The secret behind most workplace injuries is that someone is aware of the threat in advance, but is either unwilling or unable to speak up. Attend this session and learn skills to speak up about even the most undiscussable workplace situations for improved safety and health cultures.

At the end of the presentation, the participant will be able to:

1. Identify the most common workplace scenarios that people avoid discussing.
2. Discover your style under stress-do you resort to silence or violence when stakes are high?
3. Learn skills to speak up candidly and respectfully about almost any topic with almost anyone.

Session R5
September 19, 2019
8:30 am – 10:00 am
Basic-Intermediate Level

Auditing Your Health & Safety Management Systems

Cynthia Braun, CSP, CET, CHMM

Occupational Safety & Health Consultant
Braun Safety Associates, LLC | 9882 West Unser Avenue
Littleton, Colorado 80128
(303) 933-9028 | braunsafety@comcast.net
www.braunsafety.com | www.celebrtesafety.com

Ms. Braun's 27-year career includes consulting and training in occupational safety and health, environmental, industrial hygiene, and transportation compliance. She specializes in developing and auditing safety management systems (ANSI Z10, 45001, VPP), conducting OSHA compliance audits, writing policies/programs/procedures, training all levels of employees, and providing oversight on construction and manufacturing worksites.

Ms. Braun achieved the ASSP's ISO 45001 and Executive Safety Management Certificate Programs and a paralegal certificate from the State of Colorado. She is a speaker and instructor for ASSP and the Minnesota Safety Council (since 2004), as well as the OSHA Training Institute and National Safety Council (since 1995).

Topic/Presentation Synopsis:

Audits are a vital part of a company's safety management process to check and correct progress against stated goals. When performed well, audits help companies to maintain quality assurance, safer working environments, and increased profits. This session guides participants to evaluate their audit process, audit criteria, auditor qualifications, audit frequency, and corrective action strategies.

At the end of this presentation, the participant will be able to:

1. Recognize international standards for auditing safety programs and safety management systems.
2. Summarize qualifications for effective auditors
3. Identify the auditor's pre- and post-audit roles
4. Identify effective audit criteria, technology, and techniques for assessing an organization's safety performance
5. Review sample management system checklists and scorecards for audits.

Mining-how has it improved its safety record

H. John Head & Mark Wharton

Manager Technical Services & Safety Director

American Mine Services, LLC

11808 Highway 93, Boulder, Colorado 80303

(630) 750-0652, (719) 349-0030

hjohn@comcast.net | mwharton@americanmineservices.com

H. John Head is a nationally and internationally recognized expert in mine safety and health. He has been instrumental in drafting and implementing corporate safety policies and managing mine safety programs. He has been consulted on safety and health reviews and mine health and safety regulations. He has provided expert testimony on mining safety and health issues.

Mark Wharton provides leadership and direction to improve project safety. He actively works with field supervisory and management personnel, to develop continuous improvement plans for safety through underground operations. Mark started working in mine safety in 1974 and has been involved with numerous challenging underground projects.

Topic/Presentation Synopsis:

Mining has been considered a dangerous job. In the early 1900s hundreds of miners died each year. Now the number is less than 20-still a terrifying statistic but several orders of magnitude less than in decades past. There have been many reasons for this advance-the most significant being technological improvements which reduce miners' exposure to hazardous situations. However, recent progress in behavioral safety has resulted in another quantum leap.

At the end of the presentation, the participant will be able to:

1. Understand the role of technology in improving safety
2. Appreciate how behavioral safety processes can improve worker safety
3. Use specific tools to promote safety awareness in workers

Session R7
September 18, 2019
10:15 – 11:45 am
Intermediate Level

Successful Onboarding for the New Hire

Michael Themanson
National Safety Director
Clune Construction Company
10 South Riverside Plaza Suite 2200
Chicago, Ill 60606
(847) 849-0025
mthemanson@clunegc.com

Mike Themanson has 20+ years of construction experience. He is a graduate of Illinois State University with a Bachelor of Science in Occupational Safety Health. His professional designations include the CHST, CRIS and OSHA Authorized Trainer. He has been the National Safety Director for Clune Construction since 2015.

Topic/Presentation Synopsis:

Help attendees to learn how to identify the steps your organization can take to successfully onboard new hires.

At the end of this presentation, the participant will be able to:

1. Determine your onboarding challenges
2. Introducing your safety culture and processes
3. Use ongoing training to reinforce your safety culture and processes

Active Threat Survival in Your Workplace

Mike Anders

Lead Instructor
RJM Strategy Group
(630) 461-0254
Rjmstrategygroup.com
Mike9anders@gmail.com
ray@rjmstrategygroup.com

Mike, a Lead Instructor for RJM Strategy Group, is the Emergency Preparedness Coordinator for a local School District. Mike retired as Deputy Chief from the Naperville Police Department after 28 years of service. His experience includes assignments as the Special Response Team Commander and Deputy Emergency Management Coordinator.

Topic/Presentation Synopsis:

This presentation, directed towards management and safety professionals, will stress the importance of developing a sustainable plan so employees can be trained to respond in the event an active intruder targets their workplace.

At the end of this presentation, the participant will be able to:

1. Describe actions targeted persons of active violence can take to survive.
2. Understand the response of law enforcement to an active shooter incident
3. Implement a sustainable training program for employees so they can respond if an active intruder targets the premise.

Session R9
September 19, 2019
1:15 pm -4:30 pm
Intermediate Level

Clean Air Basics and Air Topics Update

Bruce Dumdei, PhD

Vice President
Civil & Environmental Consultants, Inc.
1230 East Diehl Road Suite 200
Naperville, IL
(630) 541-0619
bdumdei@cecinc.com

Dr. Dumdei provides expertise in Clean Air Act compliance, federal, state and local permitting programs, hazardous air pollutant regulations, emissions reporting and control methods. He has more than 30 years of experience in compliance assistance, strategy development, regulatory negotiations, enforcement support, and professional training for industrial facilities.

Topic/Presentation Synopsis:

The basics of the Clean Air Act will be discussed and how the CAA relates to the resulting multitude of regulations, air permitting, manufacturing requirements and other effects on facility operations. Current air issues will also be presented including enforcement priorities for the USEPA and IEPA, and new rule developments.

At the end of this presentation, the participant will be able to:

1. Understand how the Clean Air Act relates to specific regulations and environmental requirements in permits and directives from the USEPA and the IEPA.
2. Better communicate the compliance issues of most concern for their facility
3. Better anticipate the upcoming changes to air regulations that may affect both capital projects and ongoing operations at their facilities.

HazMat Regulations and Emergency Response-Getting the Basics Down

Rick Zakaras

Fire Captain

Naperville Fire Hazardous Materials Coordinator

City of Naperville, Fire Department

1380 Aurora Ave, Naperville, IL

(630) 973-0944 zakarasr@naperville.il.us

Captain Rick Zakaras has been with the Naperville Fire Department for 40 years. He has been a member of the Naperville Hazardous Materials Response Team since its inception in the early 1980's. In 1988, he was appointed to Team Coordinator and still holds that position to this day. In addition to his regular fire and emergency medical service duties, he manages the Illinois EPA Household Hazardous Materials collection facility in Naperville. This facility is open weekends and has been recognized as one of the busiest facilities in the County.

Topic/Presentation Synopsis:

Hazardous Materials such as OSHA 1910 and various NFPA Codes and standards are in place to prevent emergencies in the work place. The OSHA regulations manage the work place and NFPA addresses responder safety and response. Both regulations address employee training and competencies required to safely and effectively handle an emergency involving hazardous materials. Training ranges from awareness to operations and finally to technician/specialist. Confusion exists amongst some employers along with their employees on what constitutes an emergency and what action workers can take to mitigate a hazardous materials situation.

At the end of this presentation, the participant will be able to:

1. Define and recognize an emergency
2. Understand the difference between the employee at the awareness level and technician level
3. Identify the tools, PPE and equipment typically deployed by responders at each level

Hazard Communication-GHS (Global Harmonized System)

Daniel Ramir

Executive Director
Latino Workers Safety Center
4415 Harrison | Hillside, IL 60162
(708) 449-9500 | Dan@LWSC.org

Daniel Ramir is a Bilingual Safety Professional and the Executive Director of Latino Worker Safety Center (LWSC), a multilingual OSHA Compliance Training Center dedicated to providing OSHA compliant safety courses and certificates for companies and workers in the construction and manufacturing industries.

Topic/Presentation Synopsis:

The course is delivered in 8 sections.

1. Course introduction
2. Hazard Communication Standard (HCS) overview
3. Review of common health effects
4. Chemical overview
5. Measurement and exposure hazards
6. Other ways of communicating hazards
7. Controlling hazards
8. Emergencies and first aid

At the end of this presentation, the participant will be able to:

1. Discuss the 5 key elements of OSHA's Hazard Communication Standard (HazCom)
2. Describe your rights under OSHA's HazCom standard
3. Identify the new OSHA label symbols and explain what each means
4. Describe the 4 routes of entry for chemical and give an example of a chemical known to enter the body through each.
5. State three ways to find information about chemicals found on your jobsite
6. Describe several methods to control chemical exposures and rank them for greater worker protection.
7. Using a product's Safety Data Sheet, assess whether it is flammable, heavier than air and has an OSHA PEL.

Session R12
September 19, 2019
1:15 pm – 4:30 am
Basic Level

Accident Investigation

Barry Schwalbe, CHMM

Training Coordinator/Instructor
Richland Community College
One College Park, Decatur, IL 62521
Phone Number: (217) 875-7211 x 6219
E-mail: schwalbe@richland.edu

Barry Schwalbe is a coordinator and instructor at Richland Community College in Decatur, IL. Barry has a chemistry degree from Eastern Illinois University and an MBA from the University of Illinois. He is a Certified Hazardous Materials Manager (CHMM) and an OSHA authorized instructor for General Industry and Construction.

Topic/Presentation Synopsis:

This lesson will assist employees in developing the basics to conduct an incident investigation using a systems approach following a workplace incident.

At the end of this presentation, the participant will be able to:

1. Explain basic incident investigation procedures
2. Apply a systematic process to conducting an incident investigation.