

SESSION T1 75 minutes

Tuesday 9/21/2021 8:30

Intermediate Level

Industrial Hygiene Track

Predicting, evaluating and measuring thermal stress to workers

Michael Schmoldt - Senior Industrial Hygienist

Argonne National Laboratory

Mr. Schmoldt CIH, PE, CHMM is an elected member of the ACGIH Physical Hazards -Heat Stress committee and has developed heat stress programs for industrial and governmental agencies. He co-authored articles on practical methods calculating and performing physiological monitoring for thermal stress.

Topic/Presentation Synopsis:

NIOSH, ACGIH and the OSHA technical manual provide recommendations for managing worker exposure to heat stress. Managing heat stress requires detailed analysis of expected conditions, accurate monitoring and sometimes verification through physiological monitoring of workers. An excel spreadsheet will be presented that organizes and simplifies data collection and analysis.

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

- Explain the exposure limits recommended by ACGIH/NIOSH
- Demonstrate how to predict and evaluate thermal stress conditions
- Show of how to perform physiological monitoring using heart rate using readily available commercial equipment.

SESSION T2 3 hours (Half Day)

Tuesday 9/21/2021 8:30

Intermediate Level

Industrial Hygiene Track

Managing a Respiratory Protection Program in a COVID Environment.

Dennis Terpin - Senior Industrial Hygienist/Emergency Manager

Retired, University of Illinois Chicago

Dr. Terpin Retired Senior Industrial Hygienist and Emergency Manager at The University of Illinois Chicago (UIC). Dr. Terpin serves on the ASTM F23.65 International Respiratory Protection Committee on Protective Clothing and Respiratory Protection and is a Master level Instructor for FEMA/DHS at the Center for Domestic Preparedness.

Topic/Presentation Synopsis:

OSHA 29 CFR 1910.134 and 1910.134(c)(3) – “The employer shall designate a program administrator who is qualified by appropriate training or experience that is commensurate with the complexity of the program”. This session is designed for individuals who may design, develop, implement, administer a respirator protection program. This course will help participants develop and maintain a respiratory protection program that meets the challenges related to COVID-19 and complies with all state, and federal regulations.

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

- Identify administrative components required for employers to establish and maintain a respiratory protection program in accordance with 29 CFR 1910.134, and (c)(3),
- Review the 2020 COVID-19 temporary changes to 29 CFR 1910.134).
- Identify how to select the correct respirator for a specific job and job site,

SESSION T3 75 minutes

Tuesday 9/21/2021 8:30

Advanced Level

Environmental Track

PFASt and PFurious - Are you up to speed on PFAS concerns?

Leslie Nicholas - Principal

BBJ Group

Ms. Leslie Nicholas is a Principal with BBJ Group. She leads the EHS Compliance Assurance practice helping clients understand the impact of changing regulations on their businesses. She provides BBJ Group's clients with sustainable strategies that minimize potential risk from future statutory and policy changes, as well as emerging contaminants. Ms. Nicholas serves an assortment of clients, including corporate, commercial real estate, and private equity, as well as their investors, legal teams, and financial advisors.

<https://www.bbjgroup.com/leslie-nicholas>

Topic/Presentation Synopsis:

The world of PFAS is moving at an exponential speed and it's difficult to keep up with this ever changing world. This presentation will include a panel discussion on the dynamic nature of PFAS knowledge and regulation, from a legal, technical, and investor perspective. We will be hosting a panel of speakers that will have an interactive conversation about how these emerging contaminants are affecting landowners, manufacturers, and investors. The current regulatory status of PFAS across federal and state regulations and across various environmental media, will be discussed.

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

- - Primer on PFAS chemicals
- - Current regulatory status (federal/state)
- - Implications of PFAS being present in your operations/site

SESSION T4 75 minutes

Tuesday 9/21/2021 8:30

Intermediate Level

General Safety Track

Safety, Work Comp, and COVID

Don Phillips - Corporate EHS Director

NTN USA

Mr. Phillips is the Corporate Safety Director for NTN USA, founder and President of SafetyDon, LLC, and a qualified OSHA Outreach trainer in general industry. Don has spoken locally, nationally, and internationally on a wide variety of topics including employee and public safety, compliance, and training.

Topic/Presentation Synopsis:

COVID-19 brought a new wrinkle to workers comp. This interactive presentation will discuss the direct and indirect impact of COVID on claims, regardless of COVID as the source of the claim.

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

- Identify COVID as work comp
- Identify COVID impacts on non-COVID work comp claims
- Avoiding the traps of COVID impact on claims

SESSION T5 75 minutes

Tuesday 9/21/2021 8:30

Intermediate Level

Professional Development Track

The Art of Storytelling: Impacting Your Audience

Jack Jackson - Senior Safety Consultant

SafeStart(R)

Jack's varied background provides him with the ability to relate to any audience and his experience—including sport, production, operations and safety—informs his passionate approach and engaging speaking style. Thanks to his dedication and innovation, one of his facilities attained a record of 10 years without a lost-time incident.

Topic/Presentation Synopsis:

Safety leaders and trainers are always looking for ways to engage employees. Since people think in narrative terms, storytelling is a useful teaching tool—it not only engages listeners but helps them retain information. Participants will discover the three basic types of stories and establish credibility as a storyteller by learning how to apply personal experiences to the learning outcomes. All aspects of a business can benefit by learning the construct of effective storytelling. It encourages others to open up and share their own stories, creating two-way learning while increasing their library of stories.

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

- 1. Discover the three basic types of stories and establish credibility as a storyteller by learning how to apply personal experiences to the learning outcome.
- 2. Learn the three acts of a story and how to prove the relevance of the concepts and techniques you are teaching.
- 3. Liberate all aspects of your business by learning the construct of effective storytelling. It encourages others to open up and share their own stories, creating two-way learning.

SESSION T6 75 minutes

Tuesday 9/21/2021 8:30

Intermediate Level

General Safety Track

Following Ergonomics Best Practices Amidst COVID-19

Timothy Pottorff - Principal

QP3 ErgoSystems LLC

Tim Pottorff is an Ergonomist with nearly 30-years of consulting experience that spans the globe. He has worked with thousands of leading companies across most business sectors and helps them by showing the impact good processes, tool, and equipment design have on key business metrics beyond injuries and illnesses.

Topic/Presentation Synopsis:

The COVID-19 pandemic has turned the world upside down more than since the Spanish Flu Epidemic of 1918. Advantages in 2020 included greater scientific knowledge and ability and modern communications that allowed millions of office-based employees to transition to working from home. However, millions more people, particularly those in essential food processing and manufacturing industries, did not have the option of working at home during the pandemic. This presentation will focus on both the work-at-home employee and those who remained in manufacturing and processing operations.

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

- -Investigate the challenges faced by work-at-home employee and those who remained in manufacturing and processing operations (and others)
- -Learn about ergonomics best practices for mitigating industrial ergonomics risks while following COVID-19 best practices
- -Identify successful interventions for employees working-at-home

SESSION T7 (W14) Full Day

Tuesday 9/21/2021 8:30

Basic Level

OSHA Track

OSHA 10 General Industry (Part 1)

Gene Barney - Owner

GeBa Enterprises

Instructor at LWSC & CSC for Construction Safety and InterActive Safety Solutions for Construction Safety and General Industry Safety & Safety Audits.

Topic/Presentation Synopsis:

10 Hour OSHA General Industry Requirements.

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

- Hazard recognition, best practices and understanding assessment tools.

SESSION T8

Tuesday 9/21/2021 10:15

Level

Track

Breathe Freely to Reduce Occupational Lung Disease - Program from UK

Eugene Satrun - Industrial Hygiene Consultant

Satrun OHS Consulting, LLC

Mr Satrun is a CIH, CSP, and FAIHA with 42 years' experience in the OHS profession. Eleven years with OSHA then over 30 years with ExxonMobil working in refining, chemicals, manufacturing, construction, and emergency response both domestically and internationally. Currently he runs Satrun OHS Consulting LLC and volunteers with several professional health and safety committees: AIHA Construction Committee (Past Chair); AIHA Incident Preparedness and Response Working Group (current Vice Chair); on the Board of Directors of the US Branch of Workplace Health Without Borders; Will County HazMat Team volunteering as the Assistant Chief. He is Past President of both the Northeastern Illinois Chapter of ASSP and the Chicago Local Section AIHA.

Topic/Presentation Synopsis:

Breathe Freely is an initiative of the British Occupational Hygiene Association which will be coming to the US. It is aimed at reducing occupational lung disease, which causes significant debilitating ill-health and deaths estimated to exceed 10 times that of safety related fatalities. Breathe Freely is about raising awareness both of the problem and how to do something about it: we can protect workers' health and prevent most of these diseases and deaths. It is not just "the right thing to do", it is good for business as well. And broad acceptance of this is part of the solution.

The program will be covered with presentations from it on many of the health hazards in construction and welding in manufacturing.

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

- Understand what Breathe Freely is all about and how it can be useful for US worksites
- Able to utilize resources currently available to reduce health risks at worksites
- Understand sources of assistance available to evaluate and help reduce health risks

SESSION T9 75 minutes

Tuesday 9/21/2021 10:15

Intermediate Level

Environmental Track

Environmental Compliance Audits and the EPA's Self Disclosure Policy

Matthew Cohn - Officer

Greensfelder, Hemker & Gale, P.C.

Matthew Cohn's practice focuses on all aspects of environmental law, pairing his legal experience with a professional background in environmental science. His work includes litigation, environmental due diligence, and counseling on regulatory compliance. www.greensfelder.com/professionals-Matt-Cohn.html

Topic/Presentation Synopsis:

With a new administration and an abating pandemic, EPA inspections and enforcement actions are trending upward. This is a good time for manufacturers and industrial facilities to evaluate the environmental auditing policies and/or consider performing new audits. This session will discuss the pros and cons of disclosing violations discovered in an audit to the EPA through its Incentives for Self- Policing: Discovery, Disclosure, Correction and Prevention of Violations policy (commonly known as the Audit Policy), the confidentiality of audits performed under the direction of counsel, and actual risks and liabilities in finding and responding to violations discovered during environmental audits.

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

- Learning when and why to do environmental compliance audits.
- Learning the pros and cons of self-disclosing discovered violations to the EPA.
- Learning about the confidentiality of environmental audits performed under the direction of counsel.

SESSION T10 75 minutes

Tuesday 9/21/2021 10:15

Basic Level

General Safety Track

Using Technology to Lower Your Workers Compensation Costs

Raj Khanna, MD - Medical Director

CompCorePro

Raj Khanna, MD, is a sports and occupational medicine physician. He owned a large occupational medicine practice that saw 75,000 patient visits per year. He was the Chief Medical Officer for Metra Railroad and preferred provider for the City of Chicago, UPS, and 700 companies throughout Chicagoland.

Topic/Presentation Synopsis:

CompCorePro's medical director, Dr. Raj Khanna, developed medical algorithms to assist employers, human resource directors, and safety directors in reducing their workers compensation costs by managing their claims more cost-effectively. CompCorePro has helped employers reduce their claims cost by 20-30%. We do not replace your broker, carrier, or clinic. However, our technology helps reduce the inefficiencies within the system. We eliminate delays in the system, reduce fraud, and monitor overtreatment to ensure that your injured employees get the best medical care efficiently and cost effectively.

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

- 1. To assist employers, HR directors, and safety directors in managing their workers compensations claims.
- 2. To reduce workers compensation claims costs.
- 3. To provide medical oversight to ensure injured employees get medical care efficiently and cost effectively.

SESSION T11 75 minutes

Tuesday 9/21/2021 10:15

Intermediate Level

General Safety Track

Unlock the Mysteries of OSHA's LOTO Standard

Aaron Gelb - Partner

Conn Maciel Carey LLP

Aaron R. Gelb is a partner in Conn Maciel Carey's Chicago office where he leads the firm's Midwest OSHA practice. Aaron regularly advises and represents clients in relation to inspections, investigations, and enforcement actions involving federal OSHA and state OSH programs, while managing a full range of litigation against OSHA.

Topic/Presentation Synopsis:

Each year, OSHA's LOTO standard is one of the most frequently cited standards. Citation statistics aside, it is critical for employers to get LOTO right given the potential for programmed inspections under the Amputations NEP and because LOTO violations can be considered "high emphasis hazards" that qualify employers into the Severe Violator Enforcement Program. Despite the importance of this standard, it continues to be one of the least understood. This presentation will highlight the most frequently cited aspects of the LOTO rule, explain some of its most misunderstood provisions, and forecast some potential changes to the rule.

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

- Recognize common mistakes employers make implementing LOTO programs, such as inadequate annual LOTO inspections and Group LOTO
- Examine nuances of the requirements to develop machine-specific LOTO procedures, and share them with contractors working at your site -
- Understand and learn how to apply the Minor Servicing Exception

SESSION T12 75 minutes

Tuesday 9/21/2021 10:15

Intermediate Level

General Safety Track

Strategic Considerations for Developing an Ergonomics Program

Brock Anderson - Director of Technical Services

Ergo-ology, Inc.

Brock Anderson is the Founder & Principal Consultant of Ergo-ology. He is an award winning Board Certified Professional Ergonomist, a Certified Strength and Conditioning Specialist and Certified Lean Master Black Belt. His Doctoral studies include Industrial Engineering and Masters in Biomechanics from Auburn University.

Topic/Presentation Synopsis:

Because no two companies are identical, it is important to avoid relying on generic or boilerplate ergonomics programs and to strategically align your ergonomics program elements to fit your organization's culture and needs. Using experience gleaned over decades of working with unique circumstances, our presentation will highlight many specific situations and discuss various customized program solutions that have proven successful. We will discuss 3 directions for starting ergonomics program and 8 key components for existing programs to use as a "self-check" tool to identify areas of needed improvement.

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

- Observe key components to building a "holistic" ergonomics program
- Observe examples of client situations and success stories
- Gain a list of self-check questions to take home and discuss with your teams

SESSION T13 3 hours (Half Day)

Tuesday 9/21/2021 1:00

Intermediate Level

OSHA Track

Equipment Operation and Maintenance SAFETY

Jeffrey Taylor - Chief - Occupational Safety Training Branch

U.S. DOL - OSHA Training Institute

Mr. Gallegos started his safety career with the U.S. Air Force and has since held several enforcement positions within U.S. DOL OSHA, including Assistant Area and Regional Safety Specialist for Region V. He currently serves as the Branch Chief for Occupational Safety Training.

Topic/Presentation Synopsis:

Lockout tagout and/or machine guarding-related hazards contribute to vast majority of amputations in the workplace. Therefore, employers and must train maintenance workers and operators when to employ lockout/tagout or guarding techniques, to prevent such injuries. We will explore what the standards require and where they intersect regarding work stoppage issues.

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

- 1. Identify work activities where Lockout is needed 2. Understand what conditions the LOTO exception applies toward 3. Identify safeguarding necessary to work under the LOTO exemption

SESSION T14 3 hours (Half Day)

Tuesday 9/21/2021 1:00

Intermediate Level

Professional Development Track

Demonstrating Value to Leadership- Building the Business Case for EH&S/S Projects

**Michael Fiore CIH - Sr Corp Director, EH&S and Clinical Operations
NorthShore University HealthSystem**

Michael works as the Sr Director of EH&S and Clinical Operations for NorthShore University HealthSystem, a six hospital System. He has over 25 years experience working in government, private industry and healthcare. Michael holds an MPH from UIC and is part of their School of Public Health faculty.

Topic/Presentation Synopsis:

In this interactive session, you will learn and apply a structured 6 step approach to developing a solid business case to help prepare and justify key EH&S (or any) project requests. Included will be real world tips for successfully presenting your business case as well as common pitfalls to avoid.

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

- 1 - Understand and apply basic financial and business terms useful when having dialogue with Senior Leaders regarding a project ask (business case).
- 2- Describe ways to identify and value both financial and non-financial (soft) benefits to support your business case.
- 3- Apply the 6 step approach to demonstrate to management the financial value of health and safety management system actions.

SESSION T15 75 minutes

Tuesday 9/21/2021 1:00

Intermediate Level

Environmental Track

Buying/Selling Contaminated Properties: Reducing Liability Now & Later

Matthew Cohn - Officer

Greensfelder, Hemker & Gale, P.C.

Matthew Cohn's practice focuses on all aspects of environmental law, pairing his legal experience with a professional background in environmental science. His work includes litigation, environmental due diligence, and counseling on regulatory compliance. www.greensfelder.com/professionals-Matt-Cohn.html

Topic/Presentation Synopsis:

This presentation will focus on how to effectively perform environmental due diligence and take advantage of the Bona Fide Prospective Purchaser (BFPP) defense under the Superfund law. Topics discussed will include: (1) a review the requirements for a Phase I Environmental Site Assessment (ESA) and when and how to perform a Phase II ESA; (2) an analysis of litigation of the BFPP defense with respect to how courts have examined the adequacy of Phase Is and the implementation of reasonable steps and continuing obligations; and (3) the EPA's approach to pre-acquisition Comfort Letters and Prospective Purchaser Agreements.

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

- Learning how to obtain a compliant and defensible Phase I Environmental Site Assessment.
- Learning about continuing obligations and reasonable steps required when purchasing property known to be contaminated (i.e., how to be a "bona fide prospective purchaser") and understanding the ways courts have reviewed these issues.
- Learning about when the EPA may issue a Comfort Letter or Prospective Purchaser Agreement to afford some protection to the buyer of contaminated property.

SESSION T16 3 hours (Half Day)

Tuesday 9/21/2021 1:00

Intermediate Level

General Safety Track

COVID-19 - A New Ongoing Challenge for Facility Services

Dennis Terpin - Senior Industrial Hygienist/Emergency Manager

Retired, University of Illinois Chicago

Dr. Terpin Retired Senior Industrial Hygienist and Emergency Manager at The University of Illinois Chicago (UIC). Dr. Terpin serves on the ASTM F23.65 International Respiratory Protection Committee on Protective Clothing and Respiratory Protection. A Master level Instructor for FEMA/DHS is recipient of 3 Domestic Preparedness 5.0 Perfect Instructor Awards.

Topic/Presentation Synopsis:

We all recognize that our Business, Colleges and Universities may experience challenges in complying with certain provisions of the all the new safety related guidelines and standards because of the COVID-19 pandemic, including those standards which require challenges in HVAC systems, cleaning and disinfection, building water systems and the use of certain types of face coverings, PPE, respirators with may can include provisions for medical evaluation, medical surveillance, fit testing, JSA's and job specific and performance-based training for the employees. Let us explore the potential impacts.

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

- Investigate if the just released National Emphasis Program – (COVID-19) can impact facility operations.
- Recognize what are the new challenges to facility operations during and after COVID-19.
- Understand the new role of Facilities Management.
- Identify how the new ASTM F3502–21 Standard Specification for Barrier Face Coverings can impact Facility operations
- Explain the importance of Job Safety Analysis and PPE assessments during and after COVID-19
- Review new respiratory protection, respirators and fit testing

SESSION T17 (W7) Full Day

Tuesday 9/21/2021 1:00

Basic Level

OSHA Track

OSHA 10 Construction (Part 1)

Esmail AlQadhi, MSc, CSP - HSE Instructor

LWSC

Esmail works as an HSE instructor at the LWSC Multilingual Safety Center in Chicago and as an Adjunct Faculty at South Suburban College. He participated in the BCSP panels as an SME. In 2020, Esmail participated in a State-funded program to deliver COVID-19 Awareness training for Illinois Arabic immigrants

Topic/Presentation Synopsis:

OSHA 10 Construction is part of the OSHA Outreach Training Program, the course is directed to those involved in construction activities seeking a general level of safety awareness, but at the same time, they are not safety professionals who need a comprehensive level of knowledge.

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

- - Introduction to OSHA
- - Introducing Construction Focus Four (Leading causes of death in construction)
- - Bloodborne Pathogens

SESSION T18 75 minutes

Tuesday 9/21/2021 1:00

Intermediate Level

General Safety Track

Extreme Ergonomics Accommodations

Timothy Pottorff - Principal

QP3 ErgoSystems LLC

Tim Pottorff is an Ergonomist with nearly 30-years of consulting experience that spans the globe. He has worked with thousands of leading companies across most business sectors and helps them by showing the impact good processes, tool, and equipment design have on key business metrics beyond injuries and illnesses.

Topic/Presentation Synopsis:

Ergonomists and safety professionals often speak about "routine" cases," however this talk discusses the "Extreme Ergonomics" cases that arise, and where employers had to take additional (and in one case extraordinary) steps to accommodate employees. The focal point of the talk will discuss truly extreme ergonomics accommodation cases, including one about an employee with multiple major medical conditions, and the many steps taken from start-to-finish to achieve a series of accommodations for the various issues discovered.

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

- 1. Identify unique situations that affected the ability of office-based employees in diverse organizations to work comfortably--and productively 2. Participants will learn how empathy and listening to employees' needs are important to successful accommodations and improvements. 3. Participants will understand how creative and considerate accommodations can help people with various physical and/or medical conditions to continue working productively.

SESSION T19 75 minutes

Tuesday 9/21/2021 2:45

Intermediate Level

General Safety Track

10 Feet Tall And Bullet Proof

**Jack Jackson - Senior Safety Consultant
SafeStart(R)**

Jack's varied background provides him with the ability to relate to any audience and his experience—including sport, production, operations and safety—informs his passionate approach and engaging speaking style. Thanks to his dedication and innovation, one of his facilities attained a record of 10 years without a lost-time incident.

Topic/Presentation Synopsis:

Do the terms “that will never happen to me” or how about “I’ve been doing this job for 30 years and never been hurt” sound familiar? Do you have people in your organization that are “10 Feet Tall and Bullet Proof?” This session will address how to take us from thinking we are “safe enough” already to exploring how to get the attention of management to address those things that will enhance our safety culture. In this session, Jack discusses the transition that all employees make from thinking that nothing can hurt us to learning from our mistakes.

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

- 1. Understand why as adults, we think we are “Bullet Proof”. How did we develop that “I’m Safe Enough” attitude?
- 2. Provide motivation to develop personal safety skills that will help to overcome this attitude.
- 3. Be Introduced to four simple techniques that will improve your personal safety skills, and can also be shared with your family and loved ones to keep them safer as well.

SESSION T20 75 minutes

Tuesday 9/21/2021 2:45

Intermediate Level

General Safety Track

Advances in the Diagnosis and Treatment of Carpal Tunnel Syndrome

Dave Rusch - VP, Business Development

Ovation Hand Institute

Bio for Andrew Zelby, M.D., F.A.A.N.S.: Dr. Zelby is the Director of Ovation Hand Institute in Chicago. He is a board-certified neurosurgeon who has been performing neurosurgery for the past 26 years. He practices in the western suburbs of Chicago.

Topic/Presentation Synopsis:

This presentation covers: • What is carpal tunnel syndrome? • Who does it effect, what industries and job duties are most susceptible to CTS. • What is the economic burden of CTS on U.S. businesses. • What are the traditional treatment care pathways for someone with CTS • The history of Ovation Hand Institute and the threaded carpal tunnel release procedure (TCTR). • How the TCTR impacts employers – financially and productivity. • Guidance for employers that may want to direct employees with CTS to Ovation Hand Institute for diagnosis and treatment

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

- Understand the economic burden of CTS
- Understand the condition and what can be done
- How the Ovation Technique is a superior approach

SESSION W1 75 minutes

Wednesday 9/22/2021 8:30

Basic Level

Industrial Hygiene Track

High Vacuum Weld Fume Source Capture

Jim Logan - Director of Sales - FumeVac

Air Quality Group

Working over 35 years for a major welder manufacturer and as V.P of a high-performance welding accessories company provided Jim with knowledge related to all aspects of the welding environment. Jim possesses deep knowledge of the principles, processes, and products required to effectively capture welding fume at the source.

Topic/Presentation Synopsis:

The most effective method for mitigating the harmful affects of weld fume contamination is via the proper application of source capture equipment. Such harmful contaminants might include Hexavalent Chrome when welding stainless steel materials, or Manganese when welding more conventional carbon steel applications. This presentation will highlight several methods and best practices for mitigating the fumes and protecting shop floor personnel.

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

- 1) Learn and see the newest technology for capturing weld fumes at the arc.
- 2) Better understand relevant industry regulations as they apply to actual practice.
- 3) Gain insight into the differences between the methods and where each is most effective.

SESSION W2 75 minutes

Wednesday 9/22/2021 8:30

Intermediate Level

Environmental Track

Environmental Affects on the Great Lakes

Allan Kaufman - Ambassador

Alliance for the Great Lakes

Mr. Kaufman was the Regional Safety Manager for Quest Diagnostics and was responsible for the Safety and Health of over 2000 employees in 6 states. Allan's responsibilities included OSHA, EPA and DOT compliance. Allan is currently an for the Alliance for the Great Lakes

Topic/Presentation Synopsis:

Environmental Effects on the Great Lakes What affects the environment is having on the largest supply of fresh drinking water in the world.

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

- Understand what is happening to the Great Lakes
- The top 4 environmental affects on the Great Lakes
- How can we help to make difference.

SESSION W3

Wednesday 9/22/2021 8:30

Intermediate Level

General Safety Track

Tagging In: Why Having an Onsite Therapist is Good for You and Your Bottom Line

Jason Durnas, DC DACBSP - Clinic Director

Action Chiropractic and Sports Injury Center

Dr. Jason Durnas is a licensed chiropractor in Naperville and is a Boards Certified Sports Physician. Dr. Durnas specializes in multiple forms of myofascial release and has been working on the sidelines at professional sporting events and helping employees overcome overuse injuries since 2012.

Topic/Presentation Synopsis:

In 2019, there was an estimated 2.9 million workplace injuries, with the average cost of \$42,000. Dr. Durnas has been working onsite in factories and production facilities since 2013, working to reduce OSHA recordable injuries by providing preventative care to employees. He has been trained and well practiced in identifying incorrect motor patterns and lifting mechanics, and will discuss how to prevent them at the anatomical and physiological level. He will also discuss the benefits of having a trained medical professional will not only help your bottom line, but increase productivity and employee morale.

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

- 1. Identify common causes of overuse injuries and how to address them.
- 2. Learn more about how having an onsite chiropractor can improve production and save your company money.
- 3. Learn how to prevent recordable injuries by utilizing a preventative therapy approach to overuse injuries.

SESSION W4 75 minutes

Wednesday 9/22/2021 8:30

Intermediate Level

General Safety Track

Laboratory Safety Inspections - Beyond Requirements and Best Practices

Dennis Terpin - Senior Industrial Hygienist/Emergency Manager

Retired, University of Illinois Chicago

Dr. Terpin, Retired Senior Industrial Hygienist and Emergency Manager at The University of Illinois Chicago (UIC). Dr. Terpin, an awarded speaker has over 50-year experience in the Occupational Safety and Health, Laboratory Safety and Emergency Management fields. Dr. Terpin serves on the ASTM F23.65 International Respiratory Protection Committee.

Topic/Presentation Synopsis:

This session will increase your ability to identify safety hazards in a laboratory and enhance your understanding of safe laboratory design and operation. The session will explore the different approaches for conducting laboratory inspections. The approaches we will discuss are the laboratory inspection checklist, and an advanced process safety approach to laboratory safety inspection. Topics will include, SOP's, COVID reopening, NFPA 45, 2019 updates, Management Strategies challenges of shared laboratory spaces, understanding immediate danger in the laboratories, storage concerns, Work practices, potentially hazardous procedures and equipment, Pressurized vessels, Vacuum systems, and Defining the role of the Chemical Hygiene Officer.

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

- Define the role of the laboratory inspector
- Identify the key steps involved in laboratory safety operations, inspections and NFPA 45-2019 updates
- Describe the importance of applying process safety concepts to laboratory inspections and the NFPA 45-2019 – 11.2.1, Hazard and Risk Assessment Requirements

SESSION W5 75 minutes

Wednesday 9/22/2021 8:30

Intermediate Level

Environmental Track

Transactional Waste Issues

Russell Chadwick - Director of Environmental Assessments

Mostardi Platt

Mr. Chadwick has over 30 years of experience as a geologist as an environmental consultant and is the Director of Environmental Assessments for Mostardi Platt. Mr. Chadwick is a Licensed Professional Geologist and received his BS in Geology from Bradley University and his MS in Geology from Texas Tech University.

Topic/Presentation Synopsis:

The presentation will focus on the importance of environmental due diligence during property transactions, highlighting the risks associated with various waste related issues related to purchasing properties. The last third of the presentation will consist of actual project examples that will illustrate the pitfalls related to poor due diligence investigations.

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

- 1. Understand the purpose of Due Diligence.
- 2. Understand the Due Diligence Process.
- 3. Understand what is NOT covered by a Phase I Environmental Assessment

SESSION W6 75 minutes

Wednesday 9/22/2021 8:30

Intermediate Level

General Safety Track

8 Creative and Proven Safety Techniques, Tools and Tactics To turn Around A Problem Plant

Jean NDANA - Sr Regional HSE Manger

Michigan Seamless Tubes (MST)

Jean Ndana, ASP, CSP, I have been in the HSE arena for 20+ year. My experience in HSE spans across multiple industries. Author of several peer-reviewed articles, was named the 2017 J.J. Keller Safety Professional of the Year and has received a recognition during the 2018 ASSP Innovation Award

Topic/Presentation Synopsis:

Is it possible to reverse several decades-long trend of poor safety performance in only 2 years in a unionized manufacturing plant? Come and learn how, through the use of creative and non-conventional techniques, tools, 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 craft a new safety vision for their organization that is behavioral, easy to grasp, inspirational, aspirational and values based
- 2. Participants will be able to design and launch a non-conventional near-miss program that is owned by workers, is easy to implement and produces results
- 3. Participants will be able to design and launch a non-conventional BBS program that is owned by workers, is easy to implement and produces results

SESSION W7 (T17) Full Day

Wednesday 9/22/2021 1:00

Basic Level

OSHA Track

OSHA 10 Construction (Part 2)

Esmail AlQadhi, MSc, CSP - HSE Instructor

LWSC

Esmail works as an HSE instructor at the LWSC Multilingual Safety Center in Chicago and as an Adjunct Faculty at South Suburban College. He participated in the BCSP panels as an SME. In 2020, Esmail participated in a State-funded program to deliver COVID-19 Awareness training for Illinois Arabic immigrants

Topic/Presentation Synopsis:

OSHA 10 Construction is part of the OSHA Outreach Training Program, the course is directed to those involved in construction activities seeking a general level of safety awareness, but at the same time, they are not safety professionals who need a comprehensive level of knowledge.

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

- - Introduction to OSHA
- - Introducing Construction Focus Four (Leading causes of death in construction)
- - Bloodborne Pathogens

SESSION W8 75 minutes

Wednesday 9/22/2021 10:15

Intermediate Level

General Safety Track

Let Technology Generate Your Leading Indicators

Clayton Carroll - Sales and Marketing

Safety 101: Proactive Safety Software

Before joining the Safety 101 team, Clayton was National Sales Manager for Falcon RME, a Michigan based manufacturer of road repair equipment. Clayton holds a BA in Philosophy and Religion from Covenant College.

Topic/Presentation Synopsis:

This course will show you how to improve your safety outcomes by using technology to generate leading indicators. The course will focus on six leading indicators --- one for each element of OSHA's Recommended Practices for Safety and Health Programs (OSHA 3885).

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

- • Understand how to use technology to generate leading indicators.
- • Recall from other attendees their best ideas related to leading indicators (during and after the workshop).
- • Explain how to use technology to improve safety outcomes.

SESSION W9 75 minutes

Wednesday 9/22/2021 10:15

Advanced Level

Environmental Track

Creating and Sustaining a Global EHS Compliance Auditing Process

**Gary Williams - (Former) Director, Environment & Compliance
(Former) Ecolab, Inc**

(Retired) Career experience included Corporate Environmental Director and Regional Vice-President for two major corporations over 17 years. Director of Water Quality Planning & Standards for US EPA. Environmental and management consultant to multi-national corporations over 18 years. BS in Civil/Environmental Engineering from University of Illinois. MBA from University of Chicago.

Topic/Presentation Synopsis:

For this session I will share my experience over 35 years in creating and sustaining corporate EHS auditing processes. Topic is primarily for senior managers and those aspiring to become one, as well as senior consultants advising and managing major corporations in this capacity. The session will cover multiple elements for successful management of a global auditing process, including structure, content, auditor competency, report writing, interviewing, negotiations, data analysis, management expectations and presentations.

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

- 1. How to create an efficient, successful auditing process
- 2. How to grow and sustain a successful audit process through various challenges
- 3. Share lessons I've learned from my extensive career experience in industry, consulting and government

SESSION W10 75 minutes

Wednesday 9/22/2021 10:15

Intermediate Level

OSHA Track

Fire & Explosion Hazards and Protection

Salvatore Cali - Industrial Hygienist

Univ of Illinois at Chicago, and OAI, Inc

Mr. Cali teaches IH and Safety at UIC and OAI. He has 30 years experience in exposure assessments and research involving indoor air quality, infection control, healthy homes, ambient air and water quality, and hazardous substances. He is also Principal Investigator for NIEHS worker training & development funding at OAI.

Topic/Presentation Synopsis:

The instructor will present a simulated industrial fire/ explosion hazard scenario to the persons in attendance. As a group, we will interactively create a hazard analysis of the process, chemical substances and physical configuration of the scenario. Theoretical air concentrations of vapors and heat release rate calculations will be demonstrated in relation to the analysis. We will also discuss the pros and cons of several options for fire and explosion protection. Prior familiarity with language related to combustion, explosion, and chemical characteristics will be helpful to keep the discussion lively and interesting so that we all learn from each other.

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

- 1) Interactively analyze a potentially hazardous scenario;
- 2) Identify and review key considerations related to fire/ explosion hazards;
- 3) Design and differentiate techniques for protection.

SESSION W11 75 minutes

Wednesday 9/22/2021 10:15

Intermediate Level

Industrial Hygiene Track

Source Control vs Respiratory Protection - Masks, Certified Barrier Covers, Surgical Masks, Respirators

Dennis Terpin - Senior Industrial Hygienist/Emergency Manager

Retired, University of Illinois Chicago

Dr. Terpin Retired Senior Industrial Hygienist and Emergency Manager at The University of Illinois Chicago (UIC). Dr. Terpin serves on the ASTM F23.65 International Respiratory Protection Committee on Protective Clothing and Respiratory Protection and is a Master level Instructor for FEMA/DHS at the Center for Domestic Preparedness.

Topic/Presentation Synopsis:

In the battle to protect our workers we have been introduced to a new set of terminology - Respiratory Protection vs. Source Control. To meet a gap in source control and respiratory protection two important standards and certifications have just been released. The ASTM F3502-21 Standard Specification for Barrier Face Coverings and the NIOSH certification of the First Elastomeric Half Mask Respirator Without an Exhalation Valves , a ground breaking advancement for healthcare and construction worker protection. We will discuss these topics and many others new challenges that the Respiratory Protection Administrator must face.

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

- Define the difference between Source Control and Respiratory Protection
- Describe the differences between Face coverings (AKA) the “face mask”, ASTM Certified Barrier Face Cover ASTM’s F3502 , Level 1 and Level 2, Surgical Masks Levels, 1, 2 , 3 and NIOSH Certified Respirators
- Learn the value of the new NIOSH Certified next-generation Air-Purifying Respirator (APR)

SESSION W12 75 minutes

Wednesday 9/22/2021 10:15

Advanced Level

OSHA Track

OSHA Civil and Criminal Liability Under the Biden Administration

Mark Lies II - Attorney

Seyfarth Shaw LLP

Mark is a Labor and Employment Attorney and Partner with Seyfarth Shaw. He specializes in Occupational Safety and Health Law and related employment law and personal injury litigation. He graduated from the University of Notre Dame in 1968 and DePaul University School of Law in 1974.

Topic/Presentation Synopsis:

The program will cover the new members of the Biden administration responsible for OSHA compliance including their announced enforcement agendas. The program will cover the current OSHA enforcement for COVID-19. It will also cover recent OSHA enforcement agendas including heat illness, combustible dust, and workplace violence. It will cover potential civil and criminal liability of employers and managers for non-compliance with OSHA regulations. Attendees will learn how to respond to an OSHA inspection without waiving employer rights including employee interviews and document production. Finally, it will cover how to defend against OSHA citations including the informal conference process.

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

- 1. Learn the Biden administration new enforcement agendas.
- 2. Learn how to protect yourself from civil and criminal liability.
- 3. How to manage an OSHA inspection successfully.

SESSION W13 75 minutes

Wednesday 9/22/2021 10:15

Basic Level

Industrial Hygiene Track

The New ANSI Z9.9 Standard on Portable HEPA Air Filtration Devices

Jeffery Camplin - President

Camplin Environmental Services, Inc.

President of a safety and environmental consulting firm for over 30 years. Past VP of ASSPs Council on Practices and Standards and sub-committee member of the new ANSI Z-9.9-2021 standard. Long time instructor of USEPA's asbestos and lead abatement courses. Illinois licensed asbestos professional and accredited USEPA lead risk assessor.

Topic/Presentation Synopsis:

Earlier this year ANSI released the Z-9.9-2021 standard "Portable Ventilation Systems". This standard discusses portable ventilation systems used for the reduction, control, or prevention of exposure to hazardous atmospheres or airborne substances in the occupational environment. Appendix E of the standard addresses portable ventilation equipment containing air purification filters. These devices are commonly used to filter work areas where asbestos, lead, and mold are disturbed. They are now also being used in some buildings to address COVID concerns. The presentation will address serious leakage issues with portable HEPA filtered devices and processes to evaluate and mitigate these potential hazards.

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

- 1. Recognize high efficiency particulate air (HEPA) ratings only apply to the filter and not to the filter installed in portable air handling devices
- 2. List the three main leakage problems with portable high efficiency air filtration devices such as vacuums and negative air units
- 3. Understand how to evaluate, test, and manage portable air filtration devices to mitigate hazards associated with them

SESSION W14 (T7) Full Day

Wednesday 9/22/2021 8:30

Basic Level

OSHA Track

OSHA 10 General Industry (Part2)

Gene Barney - Owner

GeBa Enterprises

Instructor at LWSC & CSC for Construction Safety and InterActive Safety Solutions for Construction Safety and General Industry Safety & Safety Audits.

Topic/Presentation Synopsis:

10 Hour OSHA General Industry Requirements.

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

- Hazard recognition, best practices and understanding assessment tools.

SESSION W15 75 minutes

Wednesday 9/22/2021 1:00

Basic Level

Environmental Track

Air Permitting Primer and New Developments in Illinois

Karen Burchardt - Manager, Environmental Engineering

Mostardi Platt

Karen Burchardt has been active in the environmental engineering and compliance field since 2000. She specializes in air quality permitting for a variety of industrial clients, helping them to acquire construction and operating permits. She also prepares regulatory interpretations and assists with compliance needs and other critical environmental issues.

Topic/Presentation Synopsis:

The presentation will provide an overview of air permitting requirements for various industrial facilities in Illinois, as well as the process to obtain various types of operating and construction permits. Special types of permits, including ROSS and Permit-by-Rule registrations will be explained. The presentation will also provide tips for maintaining compliance with air permits. The non-attainment issue in the Chicago area, as well as its impacts on permitting requirements, will be discussed. The presentation will also cover ongoing developments in the Illinois EPA Environmental Justice program, which can impact the air permitting process.

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

- (1) Participants will understand the basic requirements and application process for air permits in Illinois and will become familiar with the variety of air permits that could apply to their facility.
- (2) Participants will learn about the current status of the Chicago-area ozone non-attainment issue and the current impacts on air permitting in the area.
- (3) Participants will learn about environmental justice, and how this issue is related to the Illinois air permitting program.

SESSION W16 75 minutes

Wednesday 9/22/2021 1:00

Advanced Level

Environmental Track

Waste Generator: Improvement Rule Updates, How to Manage Status, and Final Ruling on Aerosols

Dan Didier - Corporate EHS / Compliance

SET Environmental, Inc

Dan Didier has been in the environmental industry for 35 years. He is SET's corporate EHS and Compliance Manager based in Houston, TX. Dan's areas of expertise include RCRA, TSCA, DOT, NORM. Dan is a CHMM, CSP and a RSO for SET Environmental.

Topic/Presentation Synopsis:

• Final Rule Adding Aerosols as Universal Waste. How to stay in compliance. What are the benefits. Is it for you?

• Generator Improvement Rule. What are the key differences between new categories and when is your state going to adopt it?

• Generator Status Management • How to use your status to its full potential

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

- I will let Dan fill this in based on the outlines of his presentations.

SESSION W17 75 minutes

Wednesday 9/22/2021 1:00

Basic Level

OSHA Track

Machine Safeguarding Update

Roger Harrison - Director of Training

Rockford Systems, LLC

Educational Coordinator for FMA (Fabricating Manufacturers Association)

Technical Writer and video tape for V-Tip Master Task (performance-based training)

Regulatory Trainer for Rockford Systems, LLC (retiring this December)

Topic/Presentation Synopsis:

Point of Operation and Perimeter Guards

Point of Operation Devices (Light Curtains, Laser Scanners

Shields for Lathes, Mills, Drills, Grinders, Saws

Electrical updates Emergency-Stops, Disconnects, Starters

Why Risk Assessments are so important

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

- How to recognize hazards on your machinery (beyond close-calls and near-misses)
- Collect vital information required for a Risk Assessment (regardless of who conducts it)
- Evaluate which "Risk Reduction Measures" are practical for your machine applications
- Learn to document your Safeguarding/Training methods for OSHA and Insurance Loss Control

SESSION W18 75 minutes

Wednesday 9/22/2021 1:00

Basic Level

General Safety Track

A Proven Method to Reduce the Frequency and Cost of Overexertion Injuries Before You Hire

Rob Teitsma - Vice President of Business Development

Cost Reduction Technologies

Rob helps employers across industry to reduce the frequency and costs associated with job-related overexertion and cumulative trauma through the use of CRT's proprietary technology. CRT's services include objective, defensible, reproducible, and standardized tests for pre-employment and post-injury applications. He interacts with C-level executives, employers' TPAs, and insurance brokers.

Topic/Presentation Synopsis:

CRT will demonstrate the value of objective testing to identified qualified applicants and employees prior to employers' making a hiring decision. The technology meets the ADA criteria for strength and ability testing- CRT's test is a non-medical test. In addition, CRT's technology can be used by treating physicians to make informed decisions for treatment and rehabilitation in post-injury tests. CRT's technology meets the Federal Courts standards for expert testimony and can be used to determine when the employee has reach pre-injury level. CRT technology can validate the existence of an injury and determine the degree of injury.

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

- 1. Learn that there is ADA/EEOC compliant physical capability evaluation technology.
- 2. This technology can be used to identify physically capable applicants and employees before hiring or returning to work.
- 3. CRT's technology does produce a positive return on investment by lowering frequency and costs related to overexertion and cumulative trauma injuries.

SESSION W19 75 minutes

Wednesday 9/22/2021 1:00

Intermediate Level

Professional Development Track

Safety training across the generational lines

Jeffrey Moran - Owner

Jeffrey W. Moran Group, LLC

Jeffrey Moran, Safety Consultant, retired Shift Commander/Training Officer Woodbridge NJ Fire Dept. Safety and Fire Protection in refineries. Has a Masters of Administrative Science. Undergrad: Fire Science, Poli Sci. NJ EMT, Member ASSP Instructor: N.J. Fire Level II, Drill Ground; OSHA outreach; AHA CPR; Hazmat; Confined space; Fire ground survival;

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 W20 75 minutes

Wednesday 9/22/2021 2:45

Basic Level

Environmental Track

Used Aerosols: The New Universal Waste (and Safely Shipping them, too)

Kathy Doyle - Managing Director

Relief EHS, LLC

Kathy Doyle, CHMM, helps clients unscramble regulations and implement practical approaches to EHS and DOT Hazmat compliance, to protect workers and our environment. Previously, Kathy spent over 25 years in the waste industry working with a wide variety of industries, guiding compliance, training, and EHS management systems.

Topic/Presentation Synopsis:

Used aerosol cans are the newest category of Universal Wastes. Although this can make managing spent aerosols easier and reduce your hazardous waste generation, the regulatory changes may add requirements for facilities that have historically punctured used aerosol cans. Also, this session will cover the used aerosol exception in the Department of Transportation Hazardous Materials Regulations (DOT HMR).

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

- Participants will:
 1. Be aware of the Used Aerosols Universal Waste Regulations
 2. Understand key points related to approaches to managing Used Aerosols
 3. Understand what DOT hazardous materials requirements apply to Used Aerosols

SESSION W21 75 minutes

Wednesday 9/22/2021 2:45

Intermediate Level

General Safety Track

Mobile Communication Alert Strategies

Apostolis Sambanis - Adjunct Assistant Professor

University of Illinois at Chicago

Dr. Apostolis Sambanis is Director of Curriculum at the UIC's Emergency Management & Resilience Planning and on the Board of Directors of a technology startup called GPost Corporation. He is doing revolutionary research around Emergency Communications & NextGen 911, where he has previously discussed the issue on CNN.

Topic/Presentation Synopsis:

He would like to describe the history of mobile alerts, notifications, and location-based emergency warning systems and how they are now an established part of mobile government (and other private sector strategies) in an increasing number of countries worldwide. This session will describe its history, break down the various methodologies used internationally, and current research. In addition, begin an open discussion and recommendation on how organizations can utilize this technology for non-emergency purposes as well to help increase their communication strategy.

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

- 1) Various types of mobile warning systems domestically and internationally
- 2) Current emergency warning research and gaps identified
- 3) Recommendations how technology can be utilized for non-emergency purposes

SESSION W22 75 minutes

Wednesday 9/22/2021 2:45

Intermediate Level

Industrial Hygiene Track

Understanding Chemical Fume Hood and Laboratory HVAC systems

Dennis Terpin - Senior Industrial Hygienist/Emergency Manager

Retured, University of Illinois Chicago

Dr. Terpin retired Senior Industrial Hygienist/Emergency Manager for the University of Illinois Chicago. Dennis serves on the ASTM International F23.65 Personal Protective Clothing, Equipment and Respiratory Protection. Dr. Terpin is Certified Master Level Instructor for FEMA/Homeland Security at the Center for Domestic Preparedness (CDP) and The Emergency Management Institute.

Topic/Presentation Synopsis:

Chemical fume hoods provide protection from vapors, splashes, fire and impacts caused by chemicals and their reactions. However, fume hoods do not eliminate the hazards, they must be used maintained, inspected and correctly used to minimize the chance of exposure. We will explore why the correct laboratory ventilation is essential. Including the different types of laboratory ventilation systems. The testing of and trouble- shooting of LEV systems and exploring the challenges of shared laboratory spaces, cross contamination and COVID challenges.

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

- Define the different types of laboratory ventilation
- Understand the importance of a Chemical Fume Hood Certification program.
- Define the term “ Common Breathable Laboratory Environment.

SESSION W23 75 minutes

Wednesday 9/22/2021 2:45

Advanced Level

General Safety Track

Silence Kills: Seven Crucial Conversations for Healthcare Professionals

Emily Gregory - Vice President of Development and Delivery

VitalSmarts

Emily Gregory, M.D., is the Vice President of Development and Delivery at VitalSmarts and a dynamic speaker. Dr. Hoffman has delivered engaging speeches to audiences including the American Nurses Association, the Association of periOperative Registered Nurses, Catholic Health Initiatives, and more.

Topic/Presentation Synopsis:

Each year, one in twenty in-patients at hospitals will be given a wrong medication, 3.5 million will get an infection from someone who didn't wash his or her hands or take other appropriate precautions, and 195,000 will die because of mistakes made while they're in the hospital. Though hospitals are going to great lengths to reduce these errors, research shows that there is much room for improvement. This session will address seven crucial areas where healthcare professionals can make the most dramatic and immediate improvement to healthcare safety—and equip attendees with the tools to meet the challenge.

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

- Following this session, attendees will be able to:
- 1. Identify the seven most common failures in healthcare that result in costly and deadly mistakes.
- 2. Learn skills to confront and resolve these seven common failures, thereby mitigating costly and deadly consequences.
- 3. Apply these crucial skills in everyday work settings, for increased safety, health, and organizational success.

SESSION W24 75 minutes

Wednesday 9/22/2021 2:45

Intermediate Level

General Safety Track

What's Going on With Ergonomics?

Timothy Pottorff - Principal

QP3 ErgoSystems LLC

Tim Pottorff is an Ergonomist with nearly 30-years of consulting experience that spans the globe. He has worked with thousands of leading companies across most business sectors and helps them by showing the impact good processes, tool, and equipment design have on key business metrics beyond injuries and illnesses.

Topic/Presentation Synopsis:

The science of Ergonomics continues to expand its reach into society. This talk goes beyond "risk factors" and ventures into what the future of Ergonomics already is, and where it may go. This includes the the global regulatory outlook, the conflict between capacity and demands, artificial intelligence, the impact of ISO 45001 on Ergonomics, the battles between sitting & standing, and several additional, interesting topics of which companies of all types may wish to be aware.

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

- Understanding emerging issues in ergonomics, including AI, exoskeletons, PtD, and more
- Learning about new (2017--2021) lifting and push/pull guidance
- Reviewing the global regulatory situation, and how "occupationally specific" regulations may be something to consider

SESSION R1 Full Day

Thursday 9/23/2021 8:30

Intermediate Level

OSHA Track

FEMA/DHS Certified AWR-160-SAT HAWOPER Refresher Course

Dennis Terpin - Senior Industrial Hygienist/Emergency Manager

Retired, University of Illinois Chicago

Dr. Terpin, Retired Senior Industrial Hygienist/Emergency Manager for the University of Illinois at Chicago. Dennis a Certified Fire Officer, HazMat Specialist/EMT instructor, Certified Master Level Instructor for FEMA/DHS at the Center for Domestic Preparedness (CDP) assigned to the HazMat Chemical, Ordinance, Biological and Radiological Live Agent Training Facility (COBRATF).

Topic/Presentation Synopsis:

This eight-hour FEMA/DHS Certified course focuses on training responders to meet the requirements established in the National Fire Protection Association (NFPA) 472, and the Occupational Safety and Health Administration (OSHA) 29 Code of Federal Regulations (CFR) 1910.120 (q)(p). This program also exceeds the 29 CFR 1910.120 (HAZWOPER) refresher training requirements for (HAZWOPER) standard. This course takes an all-hazards approach to Hazardous Materials (HazMat), Pandemics and incidents including acts of terrorism where CBRNE materials may have been used. It provides participants the knowledge to recognize the hazardous material, protect themselves, notify others, secure the scene and the Incident Command System.

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

- Identify basic hazard, risk, and PPE assessment techniques
- Understanding the Incident Command and National Incident Management System
- Perform basic hazardous materials control, containment and/or confinement within the capabilities of your level of training.
- Identify the different levels of decontamination

SESSION R2 3 hours (Half Day)

Thursday 9/23/2021 8:30

Basic Level

Environmental Track

Spill Response Training

David Osadjan - Senior Project Manager

Mostardi Platt

David Osadjan has worked in the Environmental, Health & Safety field for the past twenty-eight years. He is an OSHA General Industry Outreach trainer.

David has a Bachelor's degree in Agronomy/Crop Protection from the University of Illinois at Urbana-Champaign; and a Master's degree in Business Administration from Western Illinois University.

Topic/Presentation Synopsis:

If your facility handles any type of hazardous chemical, you need to have a plan how to deal with a spill. Whether you plan to clean the spill yourself or evacuate the facility and bring in an outside contractor, you need a Spill Response Plan.

This presentation will provide you with the basics needed for responding to a spill.

Training duration is 2.0 hours, plus Q & A afterwards

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

- Learn what might go in to your facility's Spill Response Toolkit
- Learn how to properly respond to a chemical spill
- Learn how to manage a spill

SESSION R3 75 minutes

Thursday 9/23/2021 8:30

Advanced Level

General Safety Track

Confined Space Entry - Best Practices

Sean McNichols - Division Manager

Advanced Rescue & Safety a Division of SET Environmental, Inc.

Sean is a former Firefighter/Paramedic and the founder of Advanced Rescue & Safety which is a Division of SET Environmental Inc. Sean is extremely proud to serve the 60 members of the Advanced Rescue team based out of Minooka, Il involved in over 2000 Confined Space entries per year.

Topic/Presentation Synopsis:

The presentation will cover regulatory compliance and industry best practices. We will also be sharing close calls and lessons learned from Advanced Rescue & Safety's experience of over 2000 Confined Space entries per year. Some of the topics for the presentation will range from ventilation and air monitoring to classification and permitting. Our goal is to start with regulatory compliance then expand upon that compliance with industry best practices and techniques. By sharing industry best practices and techniques, we want to avoid relying upon regulatory bare minimums. We want to help stop the increase in fatalities in Confined Spaces.

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

- Be able to understand the difference between industry best practices and regulatory requirements.
- Understand required roles and responsibilities of a Confined Space Entry.
- Application of the Hazard Evaluation and Risk Assessment into the Confined Space Entry.

SESSION R4 75 minutes

Thursday 9/23/2021 8:30

Basic Level

General Safety Track

Incident Investigation

Barry Schwalbe - Training Coordinator

Richland Community College

Barry Schwalbe is a training 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:

OSHA strongly encourages employers to investigate all incidents in which a worker was hurt, as well as close calls (sometimes called "near misses"). Since nearly all worksite fatalities, injuries, and illnesses are preventable, OSHA suggests using the term "incident" investigation. Incident investigations that focus on identifying and correcting root causes, not on finding fault or blame, also improve workplace morale and increase productivity, by demonstrating an employer's commitment to a safe and healthful workplace. In conducting an incident investigation, the team must look beyond the immediate causes of an incident and avoid placing "blame".

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

- (1) Explain basic incident investigation procedures.
- (2) Identify different theories of accident causation.
- (3) Apply a systematic process to conduct an incident investigation.

SESSION R5 75 minutes

Thursday 9/23/2021 8:30

Intermediate Level

General Safety Track

I Work In A Minefield

Jeff Maycan - Factory Director

True Value Manufacturing

I have held various roles in manufacturing over the past 30 years. I have worked in Printing, Stamping, Forging, Medical Device, Machining, High speed assembly, Paint and Coatings manufacturing. I have held titles of Corporate Lean Manager, Business Process Excellence Leader, Value Stream Manager, Director of Manufacturing, Factory Director.

Topic/Presentation Synopsis:

Over the last 30 years from the Marine Corp then into Lean Manufacturing and how this has impacted my evolution into using only behavior- based programs. I started in 1991 with my indoctrination into Lean manufacturing. The company I worked for at the time sent me for training and I was to return and convince everyone else to follow the new (Japanese) way of doing things. Japan was dominating the auto industry. The consultants said this was directly due to the efficiencies that we too would gain if we followed their plans as they have been to Japan...

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

- Information does not change behavior.
- Engaging hearts and minds is the way to reducing recordable injuries.
- Shaping the path and controlling the environment are critical to success in safety.

SESSION R6 75 minutes

Thursday 9/23/2021 8:30

Intermediate Level

General Safety Track

NFPA 70E: Six Key Revisions for 2021

John Foston - Field Safety Specialist

Grainger Industrial Supply

37 year Qualified Safety Sales Professional; Safety Management Specialist and Field Safety Specialist for Grainger Industrial Supply. In my role as Field Safety Specialist, I assist our customers with ensuring a safe, productive and profitable workplace by assisting with the selection of the correct fitting PPE to, drive compliance.

Topic/Presentation Synopsis:

Since 1979 the National Fire Protection Association's publication of the NFPA 70E Standard for Electrical Safety in the Workplace has served as the "how to" guide to eliminating electrical hazards in the workplace. So, any employer whose workers deal with electricity can benefit from staying up to date with NFPA 70E, which is revised every three years. This session will cover the six key revisions to the 2021 edition of NFPA 70E.

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

- 1. Define purpose of NFPA 70E
- 2. Provide history of NFPA 70E
- 3. Define six key changes to 2021 edition of NFPA 70E

SESSION R7 75 minutes

Thursday 9/23/2021 10:15

Basic Level

General Safety Track

Changing Employee Behavior using Participatory Training

Steve Jones - Global Ergonomics Program Manager

Ecolab, Inc

Steve Jones CIE, CPE is the global program manager for Ecolab, based in Naperville, IL. With 30 years of practical experience, his expertise is developing solutions to unique and challenging problems. He is passionate about improving safety culture through employee engagement and participatory, memorable training.

Topic/Presentation Synopsis:

Ergonomics training does not have to be the usual, run-of-the-mill lifting or hazards training. At Ecolab, most of our associates work in the field, based out of their homes, at customer sites by themselves or in small groups. This limits the opportunities for safety staff to engage and inform our associates on a regular basis, and affect cultural change. Our Safe Moves training was developed by observing our highest risk job tasks in the field, working with associates to determine safer practices, and combining this information into a compact yet powerful 90 minute interactive training course.

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

- How to deliver impactful ergonomics training.
- How to engage with employees.
- How to tailor improvements to remote work.

SESSION R8 75 minutes

Thursday 9/23/2021 10:15

Intermediate Level

General Safety Track

Optimize Workplace Injury Prevention Through a Data-Driven “3E” Approach

Jon Kabance - President

BIOKINETIX

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.

Topic/Presentation Synopsis:

Wearable technology: a powerful tool companies can wield to identify, analyze, and mitigate musculoskeletal injury risk with a higher degree of precision. The data captured by these devices enable safety professionals to zero in on risks associated with specific movements and behavior, then proactively direct attention to high-priority areas, such as departmental trends and high-risk individuals. BIOKINETIX President Jon Kabance will be sharing successful strategies for incorporating wearables to augment your existing injury prevention initiatives and leveraging data analysis for “3E” mitigation through hierarchical Engineering, Ergonomics, and Exercise interventions.

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

- 1. Capture and analyze ergonomic wearable data to identify at-risk movements and behavior
- 2. Utilize the 3E Process to determine appropriate mitigation techniques
- 3. Evaluate mitigation impact and risk reduction

SESSION R9 75 minutes

Thursday 9/23/2021 10:15

Intermediate Level

OSHA Track

Hearing Conservation: Ensuring Compliance

Cynthia Chow - Audiologist

Consulting Audiology Associates

Dr. Chow is an industrial audiologist serving the Chicagoland area. Her professional interests include the prevention and treatment of hearing loss, hearing conservation, and teaching. Dr. Chow received her doctorate of Audiology and doctorate of Philosophy from the University of Wisconsin-Madison.

Topic/Presentation Synopsis:

This presentation will provide an overview of the regulatory requirements of a Hearing Conservation Program. This talk assumes no prior hearing conservation knowledge and aims to provide a framework for health and safety professionals to recognize and implement an effective Hearing Conservation Program at their facility.

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

- Learning Objective 1: Become familiar with the various aspects of a Hearing Conservation Program.
- Learning Objective 2: Recognize the advantages and disadvantages of various hearing testing strategies.
- Learning Objective 3: Learn what makes a Hearing Conservation Program most effective.

SESSION R10 75 minutes

Thursday 9/23/2021 10:15

Basic Level

Environmental Track

Taking Steps Towards Carbon Neutrality

Lillian Woolley - Senior Chemical Engineer

Fishbeck

Lillian Woolley is an environmental consultant for Fishbeck in the southeast Michigan office. She has more than twenty years of experience doing environmental compliance work with a focus on air quality permitting. Prior to joining Fishbeck, she managed the air quality program at DTE Energy, a gas/electric utility in Michigan.

Topic/Presentation Synopsis:

Consideration of climate change and working toward carbon-neutrality are becoming more important to customers of all kinds. Are you overwhelmed by the scope of reducing your company's greenhouse gas emissions? Never fear - attend this session to hear from an industry leader on benchmarking strategies, how to identify energy-saving solutions, rebates, simple strategies, goal setting, and ways to communicate your progress

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

- 1) Learn about energy efficiency projects that can reduce your company's carbon footprint
- 2) Setting energy reduction goals and 3) Communicating your program to employees and the general public

SESSION R11 75 minutes

Thursday 9/23/2021 1:00

Basic Level

Environmental Track

The Impact of Environmental Justice Requirements on your site permitting and/or compliance

Jim Powell - Director, Emerging Technologies

Mostardi Platt

Jim Powell is currently directing Emerging Technologies at Mostardi Platt, a 44-year-old environmental testing and EHS consulting firm doing work internationally. Jim's role is to support and expand the service offerings including Environmental, Health, and Safety (EHS) compliance management, auditing and due diligence, environmental testing and assessment, and continuous emissions

Topic/Presentation Synopsis:

Environmental Justice has been around for the past 20 years but the new administration has brought its focus into the forefront. This topic will discuss the history, the present and the current state of the impact on your facility.

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

- Provide the history of Environmental Justice, the regulatory guidance, and the methods currently in place to evaluate your facilities impact upon the local community.

SESSION R12 75 minutes

Thursday 9/23/2021 1:00

Intermediate Level

General Safety Track

COVID-19 Review of the virus, disease, and local government response.

Richard Jorgensen - Coroner

DuPage County

Richard Jorgensen MD currently serves as the DuPage County Coroner. Prior to his election in 2012, Dr. Jorgensen practiced general/vascular and trauma surgery in the western suburbs of Chicago for 20+ years. He maintains his Illinois Medical License, the Illinois Coroners and Medical Examiners Association, and numerous surgical societies.

Topic/Presentation Synopsis:

The Disease of COVID 19 and the community response will be discussed.

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

- 1. To understand the disease of COVID 19
- 2. To understand how it affects people and society.
- 3. To understand the local governmental response.

SESSION R13 75 minutes

Thursday 9/23/2021 1:00

Intermediate Level

OSHA Track

OSHA Construction Update

Kenny Koroll - Safety & Health Specialist

OSHA - Directorate of Construction, Office of Construction Services

Kenny has worked for OSHA as a Compliance Officer, Compliance Assistance Specialist, Asst Area Director, OTI Training Instructor, and Director of Construction Safety Training. He now works for the Directorate of Construction. He is a CSP, CHST, and has a MS from NIU.

Topic/Presentation Synopsis:

Kenny will provide an OSHA Construction Update that will include inspection and focus four statistics, Covid-19, regulatory update, opioids and suicides, and information on national outreach construction events. He will also field questions from the audience.

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

SESSION R14 75 minutes

Thursday 9/23/2021 1:00

Intermediate Level

General Safety Track

The Important Role Leading Indicators Play in Preventing Injuries

Peter VanDerlyke - Corporate Director EHS

Peco Foods

Dr. Peter VanDerlyke is an accomplished safety professional with over 25 years of experience in the field of workers' health and safety. In his career, he has worked with companies in the chemical, retail and food manufacturing sectors. He specializes in identifying and changing cultural opportunities within organizations.

Topic/Presentation Synopsis:

Based on research performed during my doctoral dissertation, this presentation details just how effective leading indicators are in the reduction of injury rates. While there are several articles touting the importance of measuring leading indicators, there is lack of research determining which (if any) leading indicators have a higher impact on reducing injury rates. This presentation discusses the findings of my research on the perceived effectiveness of several commonly implemented safety leading indicators such as near miss reporting, safety observations, trainings and safety inspections.

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

- 1. Gain an understanding of lagging and leading indicators
- 2. Determining which leading indicators are potentially most effective
- 3. Understanding why leading indicators are not used to their full potential

SESSION R15 75 minutes

Thursday 9/23/2021 1:00

Intermediate Level

Industrial Hygiene Track

The Emerging Trend of Fit-Verification in Hearing Protection

Tom Thunder - Principal Consultant

Acoustic Associates, Ltd

Tom has a doctoral degree in audiology from Salus University in Philadelphia and has completed post-graduate studies at the Illinois Institute of Technology. in acoustical engineering. He is an emeritus faculty member at Northern Illinois University and Rush University where he taught courses in acoustics, psychoacoustics, and hearing loss prevention.

Topic/Presentation Synopsis:

While engineering controls are the preferred approach to reduce hearing loss in the workplace, many managers have relied on hearing protection to the extent that if it was issued, the noise problem vanished. But since occupational hearing loss is still a serious problem and since the 1979-developed noise reduction rating (NRR) scheme has serious flaws in determining if an HPD is "adequate," we need methods to determine how well a specific HPD works on a specific person. It is time to start conducting fit verification on every employee. This talk will present the various approaches to accomplish this.

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

- 1. Describe the two laboratory methods to determine the NRR.
- 2. Outline the method used to derate the NRR in determining an "adequate" fit.
- 3. Summarize the three methods to verify the fit of a hearing protector for a specific person.

SESSION R16 75 minutes

Thursday 9/23/2021 2:45

Basic Level

Environmental Track

Environmental Compliance 101 for Safety Professionals

Jessica Black - Senior Environmental Scientist

Fishbeck

Jess Black has over 20 years of experience in compliance including for manufacturing, government, and consulting firms. Ms. Black is an expert in multimedia compliance, and is familiar with state and federal programs in air, water, and waste.

Topic/Presentation Synopsis:

Did you find yourself suddenly responsible for environmental compliance, without much training to bring you up to speed? This session is geared toward the seasoned safety professional who wants to know the basics of how to keep their facility in compliance with environmental requirements and out of enforcement. We'll go over the basics of water, waste, and air programs that apply broadly to many types of facilities. We'll also introduce you to some resources that can save time and energy while also promoting a proactive, rather than reactive approach to environmental compliance responsibilities.

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

- In this session, you will learn:
- 1) The basic language of environmental compliance
- 2) A description of basic programs and which regulations may apply to your facility
- 3) Where to find resources for environmental compliance when you need a hand, and how to avoid common pitfalls

SESSION R17 75 minutes

Thursday 9/23/2021 2:45

Basic Level

General Safety Track

Safety vs. Production, The Eternal Struggle

David Osadjan - Senior Project Manager

Mostardi Platt

David has worked in the Environmental, Health & Safety field for the past twenty-eight years. He is an OSHA, General Industry Outreach Trainer.

David has earned a Bachelor's degree in Agronomy from the University of Illinois at Urbana-Champaign; and a Master's degree in Business Administration from Western Illinois University.

Topic/Presentation Synopsis:

This presentation discusses the eternal struggle between devoting limited resources between production and safety.

Present and discuss various ideas to "make safety matter" in your workplace. Ideas include: using safety metrics and key performance indicators, establishing an Injury & Illness Prevention Program, establish a safety committee, prepare plans and conduct training.

Presentation duration is 1.0 hour, plus any Q & A

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

- Learn how to prioritize safety in the workplace, without sacrificing production.
- Being able to answer the question "We say safety is necessary, but is it really our priority?"
- Learn how to make safety matter in your workplace.

SESSION R18 75 minutes

Thursday 9/23/2021 2:45

Intermediate Level

General Safety Track

Taking Safety from the Front Office to the Frontline: What to Say and Do to Demonstrate Commitment

Shae Birkey - Industry Account Manager

Caterpillar Safety Services

Shae Birkey has more than 17 years of experience in the EHS profession working in a variety of industries. He has a range of work experience, including frontline field positions and corporate management roles, as an EHS subject matter expert, a corporate auditor and EHS Facility Manager.

Topic/Presentation Synopsis:

Every member of an organization fulfills a specific function to get the job done, and yet all are expected to be “responsible for safety.” How each person interprets that expectation is largely influenced by what they perceive is most important to their boss. Top leaders have a particularly wide scope of influence and accountability, so it is critical that they demonstrate commitment to safety through both words and actions, just as they do for production. It starts with leading by example, but true leadership goes beyond wearing proper PPE and ensuring others do the same. This session focuses on tactical activities for top leaders to create and sustain a culture of positive safety performance through leadership, communication, training and recognition. Safety doesn’t just happen – it is built through trust, consistency and accountability. Audience members will learn how to integrate these principles into their daily routines and performance cycles.

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

- • Learn the cultural trademarks of world class safety organizations
- • Understand how to demonstrate visible commitment to safety
- • Gain perspective on how to positively hold employees accountable

SESSION R19 75 minutes

Thursday 9/23/2021 2:45

Intermediate Level

Industrial Hygiene Track

Occupational Disease Claims Assessment

Tim Frazer - VP - Industrial Hygiene Practice Leader

Chubb Global Risk Advisors

Vice President and Industrial Hygiene Practice Leader for Chubb Global Risk Advisors. Responsibilities include assessing the merits of occupational disease and hearing loss claims as well as providing technical support for the claims organization.

Topic/Presentation Synopsis:

This presentation includes a complete discussion of the various issues associated with assessing the merits of an occupational disease claim. Those issues include the agent-response relationship, the dose-response relationship, latency periods, epidemiology, and alternative explanations for a claimed disease. Common diseases assessed are cancers, lung disease and diseases associated with biological agents, such as mold. The end result of the assessment is a report assessing the merits of the claim and an opinion based on the issues noted above.

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

- To introduce the attendees to the issues associated with assessing the merits of an occupational disease claim;
- To provide examples of how each issue is important for fully addressing the merits of the claim;
- To provide guidance on how an EH&S professional should address such a claim how to provide an opinion on the merits.

SESSION R20 75 minutes

Thursday 9/23/2021 2:45

Intermediate Level

Professional Development Track

When Safety Goes Awry... Send Lawyers, Guns and Money

Rich Lenkov & Brian Rosenblatt - Capital Member

Bryce Downey & Lenkov LLC

Rich Lenkov handles workers' compensation, general liability and entertainment law. He has been selected to the 2021 IL Super Lawyer List, named Leading Lawyer from 2012-2021, honored as one of the "50 Most Influential People In Workers' Compensation" by SEAK, Inc. & frequent lecturer for many national organizations.

Topic/Presentation Synopsis:

Despite your best planning, newest technology & most stringent safety protocols, something has gone wrong! A workplace incident has occurred! An employee, or so we think, is injured! It's time for that 4AM call to...gulp...the Lawyers! Let's take a look at what actually happens when your legal team is brought in to respond to an incident. What factors come into play that drives up defense & litigation expenses? What can safety directors/risk managers do immediately to preserve evidence? What decisions are made in terms of defense strategy & what can be done to minimize both potential exposure & defense costs?

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

- 1. Understand the process of involving legal counsel in response to an incident, and what to expect.
- 2. Proactively begin to assist in the defense of claims and help minimize both potential exposure and defense costs.
- 3. Know how to arm your lawyers with the tools they will need to defend your company.