



2018 Bay Area Safety Symposium

Thursday, March 8, 2018

San Ramon Marriott, San Ramon, CA

Speaker Bios & Session Overviews

8:30 AM – 9:30 AM - Welcome, Opening Remarks & Keynote Presentation
Would You Watch Out For My Safety?® The Power Behind Safety Motivation
John Drebinger

Helping employees go beyond taking personal responsibility for their own safety is a key element in improving your safety culture. Getting everyone to take ownership of safety means fewer injuries. Many companies encourage employees to participate in the safety process by pointing out safety hazards and unsafe behaviors. As challenging as this can be, a key to achieving success is teaching people how to respond when someone shares a safety issue with them. An angry or negative response can cause caring people to not take action in the future.

Once you have succeeded in having employees watch out for each other it is critical to teach people how to respond when someone cares enough to watch out for their safety. In a fun, effective, engaging and magical way, learn the "how-to" techniques for helping employees respond in a positive way when a safety intervention takes place. Take home measurable action items, which allow you to put everything to use immediately. Learn how important the response is to improve your safety performance.

Discover how to give your people the skills they need to encourage the people around them to watch out for everyone's safety. Be able to share with others the best response when someone cares about your safety.

Learning Objectives:

1. Discover communication techniques to help workers respond appropriately when someone points out a safety hazard or unsafe behavior.
2. Understand how to respond in a non-confrontational manner.
3. Know how to motivate workers to respond positively to safety interventions.



John Drebinger Jr.
Certified Speaking Professional

John Drebinger has a Bachelor's Degree in speech, and is a Certified Hypnotherapist. A member of the National Speakers Association he has achieved their highest earned designation, CSP (Certified Speaking Professional). John is also a member of the famous Hollywood Magic Castle. He is an Eagle Scout and has been an active member of the Boys Scouts for over 50 years.

Some of John's client list includes: NASA, ExxonMobil, Toyota, Honda, General Motors, Motiva, PG&E, General Electric, Chevron, Bechtel, Diageo, all branches of the United States Military, VPPPA, ASSE, NSC, ConocoPhillips, Powder River Coal Co, General Mills, Valero, The FBI, Sherwin Williams, The US Forest Service and many more Fortune 500 companies and associations.

Breakout Session #1A 10:00 AM - 11:00 AM
Construction Track
Contractor Safety Performance Improvement
Heather Davis, GSP & Michael Lewman, MPH

This presentation is based on actual case studies that have helped make stepwise improvements in overall Contractor/ Construction Safety performance using a flexible yet rigorous approach combining clear process and programs, development of Safety leadership outside EHS, development of Safety skills, and meaningful engagement. The topics we will cover include:

- Getting organized: What is the baseline and where do you want to go?
- Building on the basics, understanding and competencies
- Leadership: The importance of leadership, and how to develop

The importance of these issues have been magnified by the boom in construction, and the upwards trends in outsourcing/ contracting.

Learning Objectives:

1. Share our experience in improving contractor safety; what has worked, and what has not
2. Understanding the importance of leadership in contractor safety
3. Understanding of the importance of building on the basics



Ms. Heather Davis is a Consultant with ERM based in Walnut Creek, California. She has 5 years of combined experience in construction safety and health, primarily with heavy industrial construction industries, Bio-Pharma, Department of Energy facilities operations and semiconductor manufacturing. Ms. Davis received a Board of Certified Safety Professionals (BSCP) designation as a Graduate Safety Professional (GSP) on track to gain a Certified Safety Professional (CSP) certification with furthered field safety experience.



Mike Lewman is a Partner with ERM with more than 25 years with varied roles in Private Industry and Consulting. Mikes technical roots are in Industrial Hygiene with a Masters in Public Health from Cal with IH track. Mike current focus is in helping companies drive business goals through reduction in EHS risk and increasing the predictability of results.

Breakout Session #1B 10:00 AM - 11:00 AM
HSE Management Track
Leadership, Emotional Intelligence And Safety Culture
Cheri Zehner, MPH

The OSH profession has been historically built on a compliance, retrospective analysis, and management of safety performance. We now have the knowledge from evidence-based studies demonstrating that safety is really the presence of resilience, which is about positive capacities, capabilities and competencies that make operations go right. In this model, humans are not regarded as a source of weakness or unreliability, but a source of flexibility and knowledge. In order to be resilient, an organization needs to understand the messy details of how workers get the job done, despite conflicting goals, design flaws, and communication difficulties.

In this presentation we will examine how leaders have the power to impact the emotional states of people around them and how the leadership styles, as defined by Daniel Goleman, PhD, author of *Primal Leadership: Learning to Lead with Emotional Intelligence*, can create resonance in a group. Resonant leaders use their emotional intelligence to direct human emotions and behaviors to help a group meet its goals.

This presentation offers insight into creating an environment of social resonance where resilience can be implemented. These strategies are based on the basic constant of human biology and how to generate trust and cooperation (resonance) which is necessary for an organization to gain the institutional knowledge to be resilient.

Learning objectives:

- 1) Become familiar with how our interactions affect us physiologically, creating either happy or fear hormones.
- 2) Be cognizant of the fact that we must first generate relationships of “social safety”, or resonance, before we can create physical safety and resilience in the workplace.
- 3) Identify and characterize the six leadership styles as described by Daniel Goleman, PhD that create resonance within a group



Cheri Zehner, MPH

Cheri Zehner has over 30 years of experience in public health and occupational safety and health services. She is the senior loss control consultant for Intuitive Safety Solutions. She has worked as a consultant for 18 years providing occupational health, industrial hygiene, and indoor air quality management services to a wide variety of clients. She was recently the safety consultant for over 2,000 members of the Association of Washington businesses and as a result has a broad experience with many types of industries. She was the corporate occupational safety and health manager for an environmental consulting firm in Washington and authored their accident prevention program. As an environmental consultant she performed several human health risk assessments for state and federal Superfund sites. Ms. Zehner has extensive experience as a trainer and public speaker, recently providing hundreds of online safety training classes for the Association of Washington Businesses. She authored a four-hour, state-certified, continuing education course for real estate agents on indoor air quality. Additionally, she has presented to the North American Hazardous Materials Management Association, Washington Association of Code Enforcement, EPA Region 10 Sustainable Communities Conference, The Sustainability Foundation, Edmonds Community College Energy Management Program and Master Builders Association. She has a Master's Degree in Public Health and Bachelor's Degree in Environmental Health, both from the University of Washington. She holds a 30-Hour OSHA Hazard Recognition for General Industry certificate and an OSHA 511 certificate for general industry.

Breakout Session #1C 10:00 AM - 11:00 AM
Ergonomics Track
Building Your Ergonomics Program: Risk And Injury Reduction
Rachel Michaels, CPE

Ergonomics Programs have long been promoted by industry, regulatory and Federal and State based agencies as a best practice with proven results in reducing employee injuries and associated costs. Yet, many organizations struggle to implement a meaningful and sustainable ergonomics program and process. In this presentation we'll explore why ergonomics programs are historically difficult to implement, common pitfalls in implementation and best practices for sustainability and Total Cost of Risk (TCOR) reduction.

Learning Objectives:

1. How does a performance based ergonomics program fit in traditionally specification based safety departments.
2. What are common mistakes employers make when implementing a performance based ergonomics program and how to avoid them.
3. What are best practices for your ergonomics program.



Rachel Michael, CPE

Rachel Michael, CPE has nearly two decades of experience in ergonomics developing solutions that drive safety, efficiency and productivity for global clients. Rachel holds a Masters degree in Ergonomics and has experience implementing successful ergonomics controls and programs in diverse industries including pharmaceutical manufacturing, retail and hospital pharmacy, health care, dairy, steel, lumber, sewing and textile, parks and recreation, military, electronics, food production, energy, transportation, government, and office industries. She has provided technical writing and expert assistance to the Occupational Safety and Health Administration (OSHA) during creation of outreach materials related to ergonomics and has been editor and contributing author to internationally recognized industry print and Web-based publications and resources. Rachel is a past president of the board of directors for the Board of Certification in Professional Ergonomics (BCPE).

Breakout Session #1D 10:00 AM - 11:00 AM
Regulations / Industrial Hygiene Track
NFPA 70E - 2018 What Is New
Jay Jamali, CSP, CHMM, CHCM

The aim of this program is to provide an overview of changes in the NFPA 70E (2018), and review of the compliance objectives of the Electrical safety standard. Participants will develop understanding of the requirements of the 2018 edition of NFPA 70E, and major changes from previous editions. Electrical Safe Work Practices will be discussed, including electrical safety principles, guidelines for qualification of personnel, job-planning requirements, Personal Protective Equipment and Management and Personal Responsibility will be covered.

Learning Objectives:

1. Management attendees will review and understand Electrical Safety Program requirements such as the written electrical safety program, the Energized Electrical Work Permit, Pre-Job Briefs, program evaluation requirements, training record documentation and records required by NFPA 70E and OSHA.
2. Participants will understand techniques used to perform Shock and Arc Flash hazard analysis and how to fill out an Energized Work Permit for a hypothetical job; to include choosing proper shock and arc rated PPE for the job.
3. Summarize the changes in the standard from the 2015 edition and understand key compliance challenges.



Jay Jamali
Safety director for Enviro Safetech

EXPERIENCE: 6 years in semiconductor safety and 24 years in safety consulting.

DEGREES: Bachelor of Science Degree in Occupational Safety and Health with a minor in Industrial Hygiene and a Masters in Safety Management.

CERTIFICATIONS: Certified Safety Professional (CSP), Certified Hazardous Materials Manager (CHMM), and a Certified Hazard Control Manager (CHCM).

FACULTY: University of California Santa Cruz Hazardous Materials and Safety Management certificate programs.

Breakout Session #2A 11:30 AM - 12:30 PM
Construction Track
Respirable Crystalline Silica Rules For Construction
Steven Phillips, CSP

Congratulations on being responsible for the effective implementation of OSHA's new Crystalline Silica Rule, as it pertains to members of the construction community! How did we get here and what does it mean – for me? Gain an understanding of the exposure control options available (required) and which one(s) may be right for your unique situation. Safely navigate the numerous "Silica" resources available – and which one(s) to start with first. This presentation includes a (brief) discussion of the Medical Surveillance requirement for workers performing Silica-related tasks.

Learning Objectives

1. Examine OSHA's "new" Crystalline Silica Regulation from a (General) Contractor's perspective
2. Evaluate the Exposure Control Options available within the regulation, and identify the pro's/con's thereof
3. Summarize the myriad of Silica resources available, and evaluate which one(s) may be right for your situation



STEVEN PHILLIPS, CSP

Director of Safety and Health for Hensel Phelps Construction Co. – Northern California District since 2014. Also worked as Safety Manager, Safety Engineer, QC Engineer, and MEP Coordinator on various projects at Hensel Phelps since 2000. Holds CSP Certification and CHST (Construction Safety and Health Technician) Certification. Member of the Cal/OSHA Advisory Committee, employer/management representative. Member of the AGC-CA Safety and Health Council.

EDUCATION / OTHER

Holds a Bachelor of Science, Civil Engineering, United States Military Academy, 1989 and Masters of Science, Occupational Safety and Health, Columbia Southern University, 2010
Lieutenant Colonel, United States Army Reserve, Retired.

Breakout Session #2B 11:30 AM - 12:30 PM
HSE Management Track
The Normalization Of Deviance
Peter Furst, MBA, CSP, ARM, REA, CRIS

In spite of best efforts many organizations suffer from performance deviation to some extent. This failure to meet expectation covers all aspects of performance, be it in production, efficiency, quality, profitability, customer service, safety, or any other goal or standard which defines its values, culture, mission, vision, strategy or objectives against which organizations may measure themselves. In this session we will explore the reasons for standards creep, that result in inferior performance, devise a framework for leadership to foster excellence and create a climate and culture to sustain superior execution.

Learning Objectives:

1. Understand the spread between expected and accepted performance
2. Identify the causes of performance creep
3. Create a climate to foster open communication & sharing of ideas
4. Devise systems to assure execution excellence

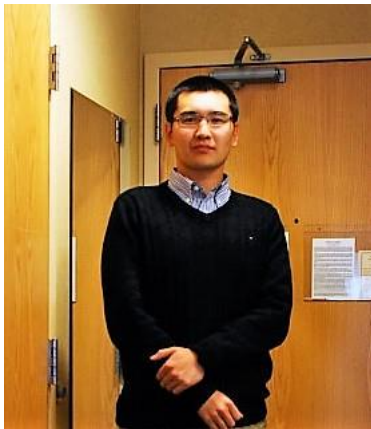


Peter Furst
MBA, Registered Architect, CSP, ARM, REA, CRIS
The Furst Group
President

Mr. Furst has almost 20 years of experience consulting with a variety of firms, including architects, engineers, construction, service, retail manufacturing and insurance organizations. He has provided guidance in the design & implementation of innovative integrated organizational strategic and tactical solutions resulting in efficiencies along the value stream. He has guided organizational systems integration, aligning business and operational goals, enhanced management's leadership and operational execution, utilizing Six Sigma, lean and balanced scorecard metrics optimizing human and business performance and reliability. He has also been instrumental in identifying project delivery performance issues offering comprehensive solutions along the value chain. He has provided motivational presentations at various organizations to all levels of management and employees. Some of the consulting was with Liberty Mutual Group customers helping them integrate their systems, create internal alignment, and manage their operations more effectively and efficiently, thereby improving business outcomes, reduce waste and mitigate liability; as well as substantially reducing their cost of risk.

Breakout Session #2C 11:30 AM - 12:30 PM
Ergonomics Track
Root Cause Analysis In Ergonomic Injuries:
Digging Deeper To Find Answers
Joey Wei, M.S. AEP

Learning how to conduct an ergonomics job analysis is one of the first steps towards determining where the risk is within your company. The next step, critical for risk reduction, is to understand how these assessments help determine the root cause of the risk of injury. Mr. Wei will share how to use proven root cause analysis techniques to go beyond a basic ergonomic assessment and find the true issues behind the injuries. You'll learn how to use the data you have to help define the root cause so an action plan can be developed to make lasting change



Joey Wei, M.S. AEP

Mr. Wei is an Associate Ergonomics Professional with a master's degree of Industrial and Systems Engineering specializing in Ergonomics and Occupational Safety. He is a dedicated and passionate ergonomist with experience in conducting and performing ergonomic risk assessments to determine recommendations and managing ergonomic programs in various fields including office setting, healthcare system, bio/pharm industry and warehouse/manufacturing environment.”

Breakout Session #2D 11:30 AM - 12:30 PM
Regulations / Industrial Hygiene Track
The Opioid Epidemic... EH&S Hazards, Contamination, Residue Cleanup, and Resultant Impacts
Michael Polkabila, CIH

We are seeing the widespread use of legal and illegal synthetic opioids becoming rampant in the United States with devastating consequences. One of the most common synthetic opioid-based products used today (known as fentanyl) is regularly used to treat pain via injection, transdermal patch, or in lozenges and is 50 to 100 times more potent than morphine and 40 times more potent than heroin. Now the illegal "non-pharmaceutical" use of fentanyl is becoming commonplace and is sourced by clandestine users mainly through foreign markets (mainly China), paid for mainly through "cyber currencies" via the "dark web" in tablet and/or powder form, and routinely shipped to the US through the US Mail Service. These illegally sourced opioids are then used and/or mixed by users with other illegal compounds such as heroin, methamphetamine, and/or cocaine so as to further increase the potency and effects of these illegal drugs. In fact, another synthetic opioid compound called previously known (and used) as an elephant tranquilizer, carfentanil, is becoming more popular with illegal users and is known to be over 100 times more potent (and toxic) than even fentanyl.

This presentation will examine the current opioid crisis and its many significant impacts to the safety and health of first responders, law enforcement, crime lab personnel as well as those who perform follow-up assessment and inspection personnel such as regulatory authorities, cleanup workers, and even future tenants. The presentation will also explore and discuss the current lack of regulations, guidance, and/or protocols pertaining to opioid contamination cases involving first response, assessment, and cleanup oversight. We will discuss and explore the evolution of current industry practices associated with assessment sampling, cleanup protocols and methods, as well as clearance criteria target goals pertaining to properties impacted with opioid contaminant residues. Current case studies involving the assessment, mitigation, cleanup, and clearance of sites will also be covered and discussed so as to place into perspective and summarize this new and emerging field with its unique and highly toxic hazards.

Learning Objectives:

1. Examine the current opioid crisis on the US and its impacts to first responders, crime labs, inspectors (CIH's and regulatory agencies), cleanup personnel, and even tenants!
2. Develop an awareness of current assessment techniques and strategies used to evaluate residue contamination and hazards at sites impacted by opioid-based contaminant residues
3. Review current case studies involving the assessment and successful cleanup of opioid-based residual contamination involving fentanyl and carfentanil



Michael A. Polkabila, CIH

As BioMax Environmental's Senior Certified Industrial Hygienist and Principal, Mr. Polkabila is responsible for the management of BioMax's many industrial hygiene and environmental consulting capabilities and has been certified in the Comprehensive Practice of Industrial Hygiene by the American Board of Industrial Hygiene. Mr. Polkabila has extensive experience in clandestine drug contaminant assessment and cleanup actions involving the wide variety of contaminant residues and hazards associated with the illicit drug use, handling, storage, processing, and manufacturing of these highly toxic compounds. Mr. Polkabila has over 20+ years of technical experience in the assessment and oversight of the effective mitigative cleanup processes and treatment

technologies throughout California and the western United States. Now Mr. Polkabila is currently at the forefront of current technologies and practices associated with the environmental health and safety and protection of those associated with the response, assessment, and cleanup of fentanyl and synthetic opioid-related drug contaminants cases. Mr. Polkabila is currently working with personnel with Cal/EPA's Department of Toxic Substances Control (DTSC), Office of Health Hazard Assessment (OEHHA) as well as with local County health departments in the development and implementation of important opioid-based response and assessment protocols as well as cleanup methods and clearance standards both within California and on a national level. Mr. Polkabila also currently serves on the American Industrial Hygiene Association opioid technical working group assigned to the development of national standards and guidelines associated with the protection of workers and those impacted by these new and developing contaminant hazards.

Breakout Session #3A 1:30 PM - 2:30 PM
Construction Track
OSHA Decisions: New & Noteworthy
Lisa Prince

This presentation will provide attendees with an overview of the Cal/OSHA Appeals Process including the life of an appeal, the hearing process and when decisions can be used as precedent in other matters. We will review recent Appeals Board decisions that are of broad application to employers, pending issues before the Appeals Board and courts. We will also discuss the importance of how employer groups may participate in the Appeals process to the benefit of the regulated community.

Learning Objectives:

- 1) The appeals process: an overview
- 2) 2017 decisions of significance
- 3) Pending legal issues



Lisa Prince
Walter & Prince LLP
Partner

As a partner with Walter & Prince LLP, Lisa Prince works with employers, safety directors, risk managers, and human resources administrators on the development of effective, preventive safety programs that answer regulatory mandates. Her litigation practice is now focused on representing employers in defense of OSHA citations, serious and willful misconduct and worker's compensation discrimination claims.

Ms. Prince is a member of the Labor and Employment Sections of the American, California State and Sonoma County Bar Associations, the American Society of Safety Engineers, and the Safety and Health Council of the Associated General Contractors of California (AGC). The firm's latest edition of the Workplace Safety chapter of the Continuing Legal Education of the Bar publication "Advising California Employers and Employees" was published in 2017.

Breakout Session #3B 1:30 PM - 2:30 PM

HSE Management Track

A Day Like Any Other: Refocusing Safety On Everyday Work

Ron Gantt, M.Eng, CSP, ARM, CET

Much of what we do in safety management is based on our understanding of how things can and do fail, not necessarily on how things succeed. We tend to focus on what should happen, rather than what is happening. These perspectives have pretty significant consequences on what we see as the problems we need to solve as safety professionals and the tools at our disposal to solve them. We have created a blindspot for ourselves that is limiting our ability to improve our organizations. This presentation will argue for a shift in focus in the safety profession. Rather than seeing safety management as a means to improve how work is done, perhaps we can get more benefit by seeing improvement of everyday work as a means to improve safety.

Learning Objectives:

1. Identify the need to learn from everyday work.
2. List the advantages of learning how things work to improve safety performance.
3. Identify methods to begin learning from everyday work.



Ron Gantt, M.Eng, CSP, ARM, CET
SCM Safety
Vice President

Ron Gantt is Vice President and Principle Consultant for SCM Safety, a safety management consulting and training firm located in San Ramon, CA. He has 16 years experience in safety management in industries such as construction, utilities, and petrochemical, as well as others. Ron has a master degree in advanced safety engineering and management, as well as undergraduate degrees in psychology and occupational safety and health. He is currently a PhD student at University of Alabama at Birmingham in Interdisciplinary Engineering. He is a Certified Safety Professional, a Certified Environmental, Safety and Health Trainer, and an Associate in Risk Management. Ron is also co-editor and contributor at SafetyDifferently.com.

Breakout Session #3C 1:30 PM - 2:30 PM
Ergonomics Track
The Economic And Ergonomic Impact Of
Practical Process Improvements
Tim Pottorff, MSIE, CIE

This session will discuss not only the founding of the science of ergonomics, why focusing exclusively on the cost of injuries and illnesses often fails to effect tangible success by focusing on a narrow path, the competitive regulatory impact, and discuss the results from several specific, successful case studies, and how they went beyond the focus of the cost of injuries and illnesses.

Learning Objectives:

1. Explain why focusing exclusively on injury costs often fails to achieve results
2. Examine how focusing on business metrics allows for successful interventions with quantifiable results
3. Review several case studies showing the impact of simple solutions on performance in both work- and non-work-related cases



Timothy A. Pottorff, MSIE, CIE, ARM
QP3 ErgoSystems LLC
Principal

Tim Pottorff has over 27-years of experience helping to improve the operations of clients in over 15 countries and territories around the globe in diverse industries such as manufacturing, primary metals, construction, chemicals & pharmaceuticals, food processing, aerospace and services. In addition, he has authored numerous articles and presented technical and research topics at professional ergonomics conferences many times.

After a successful 22 ½ year career with Zurich where he made over 100 client visits per year, he is currently the Founder and Principal at QP3 ErgoSystems, “Integrating people, materials and equipment...to make companies better!”

Breakout Session #3D 1:30 PM - 2:30 PM

Regulations / Industrial Hygiene Track

Why Your Prevention Program Failed (Or Succeeded) And What To Do About It!

Ken Clark, MSS, CSP, ARM

Risk Management strategy is more effectively realized when you pursue program success as opposed to a goal of minimizing incidents by "X"%. To improve lagging key performance indicators you first have to improve the management system process that generates them (KPI's) and ensure the quality of its implementation. Improving the process requires that management system process components and their implementation be measurable.

Exposure Management vs. Injury Management

Measuring the quantitative & qualitative characteristics of the prevention program's "Core Competencies" and infrastructure generates a numeric value for the "functionality" of the management system. The functionality of the management system, as a "Leading" indicator, provides a broader picture and more credible and reliable "predictor" of future performance potential than using historical accident frequency & severity data alone. Measuring the functionality of your management system, sub-systems and their underlying components enables identification of sub-par performance and ultimately specific corrective action before an accident occurs. (This analysis can and should be conducted for each strategic risk in the name of "Enterprise Risk Management".)

Measuring leading and lagging indicators enables analysis of both the technical and fundamental aspects of your risk management program which will ultimately drive continual improvement (a good program to great) by shifting the program focus towards elimination (or management) of exposures. Exposures are the precursors for incident frequency. Reduce exposures and the frequency/severity rates will follow. Don't chase incident rates; that reflects a "reactive" management style. The "proactive" and continuous pursuit of program "quality" is how you improve on a goal of "zero" incidents.

Manage what you want to happen...not what you don't want to happen. There is a strong correlation between a good management system and low incident frequency data. The reverse: the correlation between "low incident frequency" and a "good" management system is not as strong. Seek success rather than avoid failure. What gets measured . . . get's managed.

Learning Objectives:

- 1) Using SWOT & Vulnerability Analyses 4 CIP
- 2) Why & How to create "Actionable" KPI's
- 3) Integrating Consensus Stds 4 Best Practices



Ken Clark, MSS, CSP, ARM
Director, Risk Control - Western Region
BB&T Insurance Services

Ken Clark brings both depth and breadth of the property/casualty risk management field with over 35 years of professional experience from insurance carrier, private industry (Electronics) and Insurance Brokerage service.

INDUSTRY EXPERIENCE - BREADTH

Career experience spans from small to large companies for a wide range of industry including Colleges, Commercial Business, Construction, Engineering, Food Processing, Hospitality, Hospitals, Manufacturing, Marine, Non-profits, Performing Arts, Semiconductor, Restaurant, Trucking, and Waste Hauling. Local and International locations.

PRACTICE EMPHASIS - DEPTH

Risk Management "Systems": Planning and implementation for single, multiple and enterprise Risk Management Systems; Risk Assessment Profiles.

Specialties: Worker Safety & Health, Ergonomic, Auto/fleet, Security.

Training Deliverables: Manager/Supervisor level training; Ergonomics; Job Hazard Analyses, Inspections, Effective Communication, Hazard Communications RTK, Accident Investigations, Leading & Lagging Indicators.

Breakout Session #4A 3:00 PM - 4:00 PM
Construction Track
When World Class Safety Is Not Good Enough
Michael Jaurena, CSP, OHST, CUSP

Achieving World Class Safety is the challenge we, as safety professionals, have been tasked with. Once we have achieved this stature, it becomes apparent that World Class Safety Performance is still not good enough. Even with World Class Safety Performance, people are still getting hurt, incidents occur, and performance expectations of Corporate Management are readjusted further tasking us to improve and get better. We quickly realize the achievement of World Class Safety Performance starts you on a new journey, which is to achieve and sustain zero by design. In essence and once baselines have been reset, any TRIR above zero is unacceptable no matter if your performance is World Class.

How do we as safety professionals do this? This presentation will challenge some existing practices, provoke innovative and creative thought, and establish the truths and realities of our profession that were so convenient to forget when the expectation was the achievement of World Class Safety Performance. This presentation will suggest strategies and stimulate thought provoking ideas on how to blaze a trail on your journey to zero.

Learning Objectives:

- 1) Challenge existing strategies for safety targets through interactive discussion
- 2) Define World Class Safety
- 3) Define Zero
- 4) Provide Strategies to help drive to zero incidents



Michael F Jaurena, CSP, OHST, CUSP

Michael (Mike) Jaurena started Safety and Training Consultants, Inc. (STCI) in 2002 after working 17 years for a major oil and gas production company. Mike has a vast array of experience in domestic and international operations, construction, health, safety & environmental program development, as well as organizational and project management. A 1983 graduate of Cal Poly San Luis Obispo, Mike began his journey towards the safety profession as a laborer in the oil fields of Coalinga, California. Mike remained in Operations & Maintenance for 12 years until making the transition into the Health, Safety and Environmental field. Mike is most proud of these base roots and continues to focus his safety approach at the "Point of Risk".

Mike was the President of STCI until his recent sale in 2012. STCI was a full service Occupational Safety, Environmental and Health Consulting Company. Mike has worked and supported companies with World Class Health, Safety and Environmental cultures such as Chevron, Exxon-Mobile, Bechtel, Aera Energy, Boeing, PXP, and Occidental Petroleum to name a few. Mike's reach is both domestic and international and he takes great pride on proactive and effective solutions. Mike's skills set are diverse in their range of services supporting the Petro-Chemical Industry, Drilling Operations, Manufacturing, Municipalities, Construction, Environmental Remediation, Public and Private Utilities Services and various specialty engineering service companies. Mike is currently a Business Advisor and Senior Consultant for Safety Management Systems. LLC.

Breakout Session #4B 3:00 PM - 4:00 PM

HSE Management Track

Safety DNA: The Key To Reducing Exposure To Risk In The Workplace

Esteban Tristan, Ph.D.

We all know that SOPs are designed to do that, but how come that – despite recurring trainings – workers still disregard the rules? Making safety personal empowers your organization to defeat the safety performance plateau, obtaining better results while ensuring the ongoing safety of all your workers. All it takes: a brand-new, personal approach to safety thinking. Cutting edge psychological assessments now allow us to accurately measure a person's unique "SafetyDNA" traits to uncover where they are most at risk on the job and enable true behavioral change, one person at a time.

Learning Objectives:

- 1) Examine the four psychological factors that highly predict safe behavior and injury likelihood across industries
- 2) Evaluate how psychometric assessments are used to coach and train employees on safe work behaviors
- 3) Evaluate how this technology can be used in a legally defensible manner to hire safe employees and reduce injury rates.



Esteban Tristan, Ph.D.
Select International
Director of Safety Solutions

Dr. Tristan is the Director of Safety Solutions at Select International, in Pittsburgh, PA. He manages the development and implementation of all Select International's safety solutions and services, which are designed to address the critical safety challenges faced by organizations today. He is closely involved in the design of psychological assessments, surveys, training systems, and other tools that help organizations reduce workplace injuries and improve their overall safety culture. Esteban is a frequent speaker at safety conferences throughout the country, presenting at events such as the NSC Congress & Expo, ASSE National and Regional conferences, the Beyond Safety Expo, and the NASA/Kennedy Space Center Health & Safety Cooperative. Esteban received his Ph.D. in Industrial/Organizational & Human Factors Psychology from Wright State University in Dayton, OH, where he received his M.S. in the same field. He received his B.A. in Psychology from the University of Rhode Island.

Breakout Session #4C 3:00 PM - 4:00 PM
Ergonomics Track
Sit Or Stand - What Is Best For Your Organization?
Paula Lewis, CPE

As employees request for the ability to sit or stand during their work day rises, many companies and safety representatives are unsure how to respond. The purpose of this presentation is to provide attendees with facts around prolong sitting and the use of sit to stand work stations. We'll explore the various sit/stand equipment options and different program approaches. We'll also discuss some of the most common pitfalls when considering equipment and program options. At the end of the presentation, attendees will have enough of an understanding of the facts, equipment, and program options to begin drafting their own sit/stand policy or enhancing their current program.

Learning Objectives:

1. Summarize the latest research surrounding the use of sit/stand work station and prolong sitting
2. Examine different program approaches to sit/stand work station
3. Evaluate the pros and cons to several of the common sit/stand work station options on the market



Paula Lewis, M.S., CPE
Bureau Veritas of North America
Principal Consultant, Manager

Paula Lewis, Principal Consultant at Bureau Veritas. She is a Board Certified Professional Ergonomist with over 20 years of experience working in the field of safety and environmental compliance. She holds a master's degree in Human Factors Engineering / Ergonomics from San Jose State University and has practical experience conducting quantitative ergonomic risk assessments and developing programs for a variety of clients in the semi-conductor, biotechnology, electronics, food and beverage, software, and manufacturing industries. She is also an accomplished speaker and has presented at several local and National Conferences including the Applied Ergonomics Conference and the National Ergonomics Conference.

Breakout Session #4D 3:00 PM - 4:00 PM
Regulations / Industrial Hygiene Track
Effective Safety Training Simulations
Pamela Isom

Many companies deploy safety training ranging from CPR, First Aid, AED, Forklift, Electrical, Fall Protection, PPE and the list goes on. Training may be conducted by your in-house trainers or contracted to a third party vendor. Join us for this interactive training involving Design Thinking to build safety training SIMULATIONS which create great impact, muscle memory, long term retention and is fun for staff!



Pamela Isom, President/CEO, ICE Safety Solutions Inc., established in 1999, started her career as a Biologist, and is now the Chief Incident Commander with one mission, to ensure no employees becomes ill, injured or losses a life at work.

The safety consulting firm Defines, Starts and Runs OSHA compliance training, plans, equipment, to mitigate injury & illness for corporations across the US. Though Ms. Isom did not have a MBA or parents who went to college, she worked 12-14 hours per day on her customer centric moto, "Give customers what they need, before they need it, by exceeding safety compliance and ensuring employees enjoy their family and friends at the end of the day".

Pamela loves saving lives, whether her firm is delivering CPR First Aid Training, Automated External Defibrillator sales & training, OSHA 10/30 programs, Emergency Action Plans, Disaster Preparedness/First Aid Kits, Active Shooter or OSHA safety training it is a job she loves because it is the only job where Customers hug her with confidence now that they now have the skill set to make it out alive!

ICE Safety Solutions Inc. customers include the Golden State Warriors, PG & E, EBMUD, SMUD, Southern CA Edison, Toyota Motors USA, Alameda County, Union Bank, Mozilla, CBS Studio City and Turner Construction all are ready, willing and able to save a life, In Case of Emergency!

When Pamela is not saving lives, she is volunteering as the medical trainer with her two teenage daughters and husband on the sidelines for Girls U17 & U19 competitive soccer clubs.