



Sacramento Safety & Health Summit

Tuesday, October 1, 2019
Crowne Plaza Sacramento Northeast
Sacramento, CA

8:00 AM – 9:15 AM - Opening Keynote
Supersonic Safety - A Fighter Pilot's Process for Reducing Human Error
Jack Becker

Attendees will learn the simple and repeatable process that fighter pilots use to achieve rapid improvement forcing them to repeat successes and not repeat failures. The keynote will also focus on rapidly increasing situational awareness as an individual and a team.

Learning Objectives:

1. Identify how to properly brief and debrief any event to capitalize on lessons learned.
2. How to constantly increase and sharpen one's situational awareness.
3. Apply the process fighter pilot's use to repeat successes and not repeat failures.



Jack Becker is a fighter pilot, human performance expert, and safety professional who founded Flight Level Solutions, Inc. He has mastered adapting the simple and repeatable process fighter pilots use to perform at the highest levels of human performance to the American workplace. His program has reduced OSHA recordable mishaps at General Electric over 60%.

Breakout Session #1A - 9:30 AM - 10:30 AM
Track A - Safety - Culture / Leadership
People Are The Solution
Ron Gantt

Safety is inherently about people. People taking actions to care for themselves and others. It's unfortunate then that so much of safety management seems to treat people as a hazard to control. We take the stance that safety is about "protecting you from you, in spite of you." And then we wonder why there is so much mistrust and disengagement in organizations. What if there was a different way? This presentation will present an alternative perspective on the role of people in organizations and safety - people as the solution. This isn't saying that people are perfect. Instead, by actively creating the conditions where people thrive we not only make things safer, but we also achieve other organizational goals as well.

Learning Objectives:

1. Define the effect our beliefs about the role of people in organizational safety have on safety performance.
2. Identify the realities of organizational life and how those influence human performance.
3. List ways to create safety programs that not only avoid the worst but that also bring out the best in people.



Ron Gantt
Director of Innovation & Operations
Reflect Consulting Group

Ron Gantt is Director of Innovation & Operations at Reflect Consulting Group, a management consulting firm located in San Ramon. He has 18 years experience working with large and small organizations in industries such as construction, utilities, biotech, and chemical manufacturing. Ron has undergraduate degrees in safety and psychology and a graduate degree in safety engineering. He is a Certified Safety Professional and a Certified Environment, Safety and Health Trainer. Ron is also owner and contributor at SafetyDifferently.com.

Breakout Session #1B - 9:30 AM - 10:30 AM
Track B - Safety – Legal / Regulatory / Best Practices
Safety Career Learnings

Dan Hopwood, CSP, SMS, ARM, Martin Jeppeson, CSP, Dave Crowley, CSP, CHMM, STS

Three accomplished safety professionals with a combined work experience of 100 years will hold an open discussion sharing their background & stories experience in the safety profession. Sources will include insights from direct work experiences, opinions and “school of hard knock” learnings.

Learning Objectives:

1. Attendees will understand nuances associated with working in different industries in the safety profession.
2. Attendees will gain an understanding that life isn't always easy as a safety professional.
3. Attendees will learn how volunteering with ASSP can serve as a catalyst to help advance your career as a safety professional.



Dan Hopwood, CSP, SMS, ARM
Asst. Vice President/Senior Casualty Specialist
Sompo International

Mr. Hopwood has 40 years of experience providing safety and risk control services to commercial customers nationally and worldwide, both from the carrier and insurance broker perspectives. He started his career with a global insurance carrier, was a corporate Safety and Risk Manager for several years prior to returning to the insurance industry. Prior to joining Sompo in 2018, he served as a regional leader in Risk Control, managing a team and overseeing policyholder risk-related services for a major Workers' Compensation carrier.

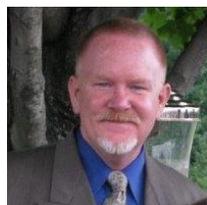
Dan is actively involved in the American Society of Safety Professionals, having been a member of the San Diego Chapter since 1978 when he was a student at San Diego State University and is currently a Professional Member. His ASSE volunteer currently include being an Assistant Regional Vice President for Region 1 and having served a two-year term as Regional Vice President from 2015-17. He's also served on numerous Society committees, including the Leadership Conference Committee and has held several Chapter-focused offices, including President – Elect, President, PDC Chair, Program Chair and Delegate.



Martin Jeppeson, CSP
Director of Regulatory Affairs
California Ammonia Company

Martin Jeppeson has worked in the EHS arena for 28 years, he currently works as Director of Regulatory Affairs for California Ammonia Company (CALAMCO). Mr. Jeppeson has also served 24 years in the U.S. Army, retiring as a Lieutenant Colonel, Special Forces. Mr. Jeppeson joined ASSE in 1992, he has been a long-time volunteer for the Society - his entire time as a member has been with the Sacramento Chapter. Aside from fulfilling various roles at the Chapter level, he served as a volunteer for four years as the ASSP Region 1 Vice

President and was elected as a member of the ASSE Board of Directors. Mr. Jeppeson has served as Foundation liaison for the Sacramento Chapter for a number of years, and he has also served as a reviewer of ASSE Foundation Grant applications for the past two years. More recently, Mr. Jeppeson was nominated to serve as a Trustee on the Board of Directors for the ASSP Foundation.



Dave Crowley, CSP, CHMM, STS
Sr. Environmental Health & Safety Director
HP Hood LLC

Dave Crowley is Sr. EHS Director for HP Hood where he has worked for the past 20 years. Mr. Crowley joined ASSE in 1989, he is a long-time volunteer for the Society, he was President of the Greater Boston Chapter of ASSE in 2004 + he is a past Chair and former Trustee on the ASSP Foundation. He has an AS from New England Institute, a BS in Toxicology from

Northeastern University and he is a life-long resident of Canton, Massachusetts.

Breakout Session #1C - 9:30 AM - 10:30 AM
Track C - Human Resources / Workers Compensation
Opioid Control In The Workplace
Rosetta Hairston, RN, MSN, CCM, CNS

The increased usage of opioids has caused significant strain on individuals, families and businesses. Nurse case managers, risk managers and ancillary partners are acknowledging the misuse of opioids and working to develop procedures to overcome prescription abuse patterns. Some of the measures include utilization review, CA formulary, drug screening guidelines, and recommended weaning plans. I will discuss what is working and benefiting the injured workers and employers

Learning Objectives:

1. Identify trends, statistics and examples emphasizing the opioid problem
2. Discuss examples of opioid use on workers, employers and families
3. Summarize practices for controlling opiates and prescription abuse

Rosetta E. Hairston, RN, MSN, CNS, CCM
Nurse Manager
Zenith Insurance

Rosetta has been with TheZenith for 6 years, she manages a multi-specialty team consisting of nurse consultants and utilization review nurses within California. Rosetta has 27 years of nursing experience with 15 years in Workers Compensation, Utilization Review and Return to Work She received her Masters in Nursing from California State University Dominguez Hills.

Breakout Session #1D - 9:30 AM - 10:30 AM
Track D - Industrial Hygiene
Wildfire Smoke And Employee Health And Safety Issues
William Krycia, MPH, CIH

Blazing Through a Rapidly Changing Regulatory Environment: Current Perspectives and Regulations on Employee Wildfire Smoke Exposures

The onset of massive wildfires in California has created exposures to employees at adjacent and distant worksites. We will evaluate the current status of regulation and best practices for employee protection from wildfire smoke.

Learning Objectives:

1. Identify changing regulatory requirements for employee protection against wildfire smoke hazards
2. Evaluate current best practices regarding employee protection against wildfire smoke hazards
3. Apply best practices and regulatory requirements to your workforce

William Krycia, MPH, CIH
Senior Safety and Health Consultant
The Zenith

William “Bill” Krycia, MPH, CIH
Senior Safety & Health Consultant



"I'm committed to help you achieve and sustain a world class safety culture in your organization."

Your Safety & Health Consultant is
Bill Krycia

Bill has been involved with Occupational Safety and Health for over 37 years. Prior to coming to Zenith, Bill's career at Cal/OSHA spanned the range from field inspector to Regional Manager. While at Cal/OSHA Bill led the Region II Enforcement Unit; coordinated the Division's statewide Agriculture Safety and Health and Heat Injury Prevention efforts; conducted and reviewed inspections on all industries; and was the Division's past team Leader for Emergency Response. Bill continues to be involved externally as the External Advisory Board Chairperson for the NIOSH Western Center for Agricultural Health and Safety at UC Davis. Bill is also the Agricultural Safety Work Group Lead person for NIOSH/National Occupational Research Agenda (NORA), and on the Review Panel for CDC/NIOSH National Agricultural Centers. He is an American Board of Industrial Hygiene Certified Industrial Hygienist (CIH) and a graduate of the University of Michigan School of Public Health, Ann Arbor, and holds a Master's in Public Health (MPH).

Bill's areas of specialty include agricultural safety and health; heat illness prevention; training and outreach; compliance issues, and industrial hygiene.

Breakout Session #2A - 11:00 AM - 12:00 PM
Track A - Safety - Culture / Leadership
Managing And Training A Spanish Speaking Work Force
Tony Canizales, CSHO-C, CSHO-GI, STS-G, LCS

During the course of this seminar we will review key phrases used in the Spanish language which a non-Spanish speaking safety professional can use while conducting safety training. In today's world the need for Spanish training in the construction, hospitality, agriculture, and various other industries is increasing every day. If your group does not understand what you are saying, how can your training be effective, how can you insure compliance, or completion? Our instructors will breakdown each major safety subject and provide instruction on how to deliver your message effectively. Come join us as we explore the challenges of getting your message across without having to master the Spanish language!

Learning Objectives:

- 101 on the Spanish language
- Learn key Spanish words which can enhance your safety training curriculum
- How to research Spanish material
- Utilizing translation tools (what really works)
- Review which training styles work best for your Spanish workforce.
- Explore and understand Cal Osha's change in training for the Spanish speaking work force



Tony Canizales, CSHO-C, CSHO-GI, STS-G, LCS
Vice President of Loss Control
DiBuduo & DeFendis Insurance Agency

Tony Canizales, Vice President of Loss Control, began his career in 1995 as a Safety Technician for a Hispanic owned Fortune 500 Company in Central California. Since then, he has worked for large, multi-line insurance carriers that specialize in construction, agriculture, hospitality, health care, manufacturing, retail, education, non-profit, and logistics. During his 24 year career, Tony has assisted in the development of proven injury prevention methods, programs, and exposure reduction through proper hazard identification. As a Bilingual (Spanish) Safety Professional, Tony has taught injury prevention courses for safety organizations throughout the United States.

Breakout Session #2B - 11:00 AM - 12:00 PM
Track B - Safety – Legal / Regulatory / Best Practices
Contractor Management
Robin Brack

Contractor management seems like it should be easy enough. And yet, today more and more tasks are outsourced and both contractors and clients can feel lost in the process. This talk discusses the 4Cs you should consider in the contractor management process: Communication, Classification, Collection and Checks.

Learning Objectives:

1. Identify gaps in current knowledge/process
2. Classify Risks
3. Mitigate Risks by using clear communication, setting goals, and scheduling regular touch-points



Robin Brack
Senior Project Manager
Antea Group

Robin Brack is a Senior Project Manager for Antea Group and a Subject Matter Expert in California regulations. She has a chemical engineering background, and over 28 years of industrial experience in semiconductor manufacturing, materials science/failure analysis, printing, video production, aerospace, hard disk drive manufacturing, solar manufacturing start-ups and facilities management. She has also worked as a contractor in environmental, health and

safety (EHS) support for a client, and imbedded facilities team, though a commercial real estate firm.

Her specialties include: Program Building, Agency Negotiation, Policy Analysis, Hazmat/Waste Management, Hazmat Shipping, Auditing, Chemical Management, Database Creation/Administration, Storm Water, Emergency Response, Industrial Discharge, Wastewater Treatment, Workers Compensation, Injury and Illness Prevention Plans, IH Sampling, Emergency Action Plans, Respiratory Protection, Training, LOTO, Ergonomics.

Having interfaced with, managed, and been a contractor - over time it becomes apparent that contract management is crucial to the success of both the client and the contractor. Not only is regulatory compliance important in the area of environmental, health and safety - the working relationship between clients and contractors is crucial, and hinges on regular open and honest communication.

Breakout Session #2C - 11:00 AM - 12:00 PM
Track C - Human Resources / Workers Compensation
The Experience Modification Number And What To Do About It!
Roy Johnson & Georgette Cadle

The Workers Compensation Experience Number compares your company's employee injury claims to other employers in the same or similar type of business. You will learn how the Experience Number is calculated and how the calculation indicates the effectiveness of your company's safety program. The number is also an indicator of what your company can expect with the cost of their Workers Compensation Insurance Premium. If your Experience Modification number is trending up, your company can expect increased Workers Compensation Insurance Premium, if it is trending lower your company can expect a lower premium. We will have an interactive demonstration on the impact of your company's Workers Compensation Experience Modification Number in relation to your business and competitors.

We will also discuss best safety practices that your company can adopt to improve the effectiveness of your company's safety program and lower your company's Workers Compensation Experience Modification number which can result in saving your company money and most importantly, ensure your employees are going home safe from work every day. Your company will not only save money but also improve both the productivity and quality of work.

Learning Objectives:

1. Summarize how the Experience Modification Number is calculated, how your number indicates the effectiveness of your safety program, and determines your company's workers compensation Insurance premium
2. Observe and/or participate in an activity that illustrates the impact of your company's Experience Modification Number
3. Examine best safety program practices that can help to improve your company's safety program and reduce high Experience Modification Numbers



Roy Johnson, CSP
Safety & Health Manager
Zenith Insurance Company

Roy Johnson has been working at Zenith since June of 2006. Prior to joining Zenith, Roy worked 17 years with Pacific Gas and Electric Company's Power Generation Department as a Chemist, Environmental Projects Manager, and an Environmental Health and Safety Manager.

Since working with Zenith, Roy has experience working in various industries that include agriculture, construction, and restaurant/hospitality services. Roy is an experienced instructor for a wide range of environmental, industrial safety, and safety

leadership related topics.

Roy graduated from Saint Mary's College of California with a B.S Biology/Chemistry, and is a Board Certified Safety Professional, CSP.



Georgette M Cadle
Underwriting Director
Zenith Insurance Company

Georgette Cadle currently works for Zenith Insurance company as the Underwriting Director for the Pleasanton Regional office. She began her career in insurance 17 years ago working at Zenith in an administrative capacity and has held various Marketing and Underwriting roles throughout Northern California during her tenure. She is passionate about providing understanding & education to agents and employers around the California Workers' Compensation system in general, and specifically regarding the financial impact of loss prevention and claims management behaviors that impact the experience modification.

Breakout Session #2D - 11:00 AM - 12:00 PM

Track D - Industrial Hygiene

Cannabis Site Visits - Safety Problems, Risk Factors, And Exposure

Kristy Schultz, MS, CIE, Karen Gunderson, MPH, CIH, CHMM & Monika Maier, CSP

The cannabis industry is evolving from small backroom farms to a modern large-scale industry. State Compensation Insurance Fund field staff will share safety hazards they discovered during site visits to cannabis businesses and how they were addressed. They will discuss common safety and physical hazards, risk factors for musculoskeletal disorders, and exposure hazards at cannabis growing and processing facilities. They will present real-world solutions and share stories of the “growing” pains of this new industry.

Learning Objectives:

1. Common safety problems noted at cannabis site inspections
2. Risk Factors for musculoskeletal disorders and ergonomics solutions
3. Exposure issues at cannabis grows and processing facilities



Kristy Schultz, MS, CIE, holds an MS in Human Factors/Ergonomics from San Jose State Univ and is a Certified Industrial Ergonomist. She is an ergonomics consultant for State Fund with a history of working between her current employer and Cal/OSHA. Her work has included developing quality publications, training, and consulting services to various types of businesses, both industrial and office. Kristy has been a speaker on ergonomics in the workplace to employer groups, colleges, various organizations, & national conferences. She is also Co-chairperson of the non-profit group, Ergonomics Roundtable of Sacramento.



Karen Gunderson, MPH, CIH, CHMM, holds an MPH in Industrial Hygiene from UCB. She is currently a consulting industrial hygienist for California State Compensation Insurance Fund. Previously, she worked as an EHS Manager, a Cal/OSHA inspector, an environmental consultant, and a corporate industrial hygienist. She lived in Indonesia for nine years, and worked for the OSH program at the University of Indonesia and at a worker safety NGO supporting an asbestos ban in Indonesia.



Monika Maier, CSP is a loss prevention engineer for State Fund. She obtained her Certified Safety Professional (CSP) designation in 2007 and has 20 years of experience as a loss prevention professional, including nearly three years as an Associate Safety Engineer at Cal/OSHA. She has experience working with a wide range of central coast and greater bay area companies in the agricultural, industrial, and construction industries. Monika has conducted safety training and presentations to employer groups, trade associations, and at State Fund employer seminars. She is also a certified pesticide safety trainer through the California Department of Pesticide Regulation.

Breakout Session #3A - 1:00 PM - 2:00 PM

Track A - Safety - Culture / Leadership

X's And Y's: Opening Communication And Mentorship Through Generational Differences

Wyatt Bradbury, ASP, CHST

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

Learning Objectives:

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



Wyatt Bradbury, ASP, CHST
Grainger
Commercial Account Manager

Wyatt Bradbury is a Commercial Account Manager for W.W. Grainger Inc. Mr. Bradbury is an Associate Safety Professional and a Construction Health and Safety Technician. Bradbury is currently pursuing a Master of Engineering in Advanced Safety Engineering and

Management from the University of Alabama Birmingham. Before starting with Grainger, Mr. Bradbury developed through growth opportunities in aquatic and recreation risk management, electrical construction, powerline safety, and safety consulting. Wyatt Bradbury serves as the President and Membership Chair for the National Capital Chapter and on the planning committee of the Mid-Atlantic Construction Safety Conference.

Breakout Session #3B - 1:00 PM - 2:00 PM
Track B - Safety – Legal / Regulatory / Best Practices
Most Cited Title 8 Violations And Cal/OSHA Update
Juan Calderon

This session will discuss the most cited title 8 standards, the root causes of the non compliance and the role of management in implementation of safety at the work site. Juan will also give an overall Cal / OSHA Update for October 2019.

Learning Objectives:

1. The most cited title 8 standards for year periods 2015 through 2018.
2. The root causes of the non compliance with Title 8 sec. 3203.
3. Role of management in implementation of safety at the work site.



Juan A. Calderon
District Manager
Cal/OSHA

District Manager Cal/OSHA Enforcement Outreach
Coordination Program Unit



June 2011 through September 2014 District
Manager San Francisco District Office Enforcement

February 2005 through May 2011 District Manager
Fremont/San Jose District Office Enforcement

July 2000 through January 2005 Associate Safety Engineer Oakland
District Office Enforcement

Breakout Session #3C - 1:00 PM - 2:00 PM
Track C - Human Resources / Workers Compensation
Essentials Of Worker's Compensation Claims
Fred Martinez, AFIS

This presentation will provide a fundamental understanding of Workers' Compensation claims. Topics covered include benefits, coverage, return to work and investigations. Attendees will also understand best practices to mitigate losses post-accident.

Learning Objectives:

1. Identify key aspects of the Workers' Compensation system
2. Evaluate different components of the Workers' Compensation system and how they work together
3. Examine ways to improve on Workers' Compensation losses through risk management

Fred Martinez, AFIS
Assistant Vice President Client Services
Zenith Insurance Company

Fred Martinez is an Assistant Vice President Client Services for Zenith Insurance Company for California's Central Coast region. He has worked in the workers' compensation insurance industry for over 20 years. Throughout that time he has worked in claims as an investigator, examiner, and customer service manager. He consults with clients and insurance agencies on implementing best practices for claims while managing a marketing territory from the Bay Area to Santa Maria. He has a bachelor's degree in Economics, an MBA and is an AFIS designee.

Breakout Session #3D - 1:00 PM - 2:00 PM
Track D - Industrial Hygiene
Wearable Sensors In Ergonomic Assessment:
Technology That Enhances Efficiency And Technology
Deborah Lechner, PT, MS

Most organizations rely on traditional approaches for keeping workers safe – meetings, inspections, near misses, first report of injury. But technology is emerging that can outperform these methods in preventing injuries and accidents. Wearable Sensors are affecting nearly every aspect of safety and ergonomics and as such will have a profound impact on the incidence of all types of work-related injuries. This presentation will cover a variety of wearable sensors and their use in safety and ergonomics. In particular, the presentation will focus on sensors for materials handling, safety training, ergonomic assessment, fall prevention and toxic gases. For each type of sensor, this presentation will cover: the problems solved by the technology, the information provided and the challenges encountered with use in the field.

Learning Objectives:

1. Identify the various types of technology available in the field of ergonomics and safety.
2. Describe how this technology enhances accuracy and efficiency
3. Examine case studies of utilization of wearable sensors



Deborah Lechner, PT, MS
President
ErgoScience, Inc.

Deborah Lechner, PT, MS is founder and President of ErgoScience TM, Inc., a company that provides job analysis, ergonomic consultation, pre-hire and return-to-work physical abilities testing, worksite physical therapy treatment, functional capacity evaluations, employee training and impairment ratings to employers throughout the US. Through research conducted at the University of Alabama at Birmingham, Ms. Lechner has developed and validated a functional capacity evaluation and pre-hire physical abilities test. She has also developed an objective, systematic process for job analysis and studied the reliability of that protocol with the US Department of Labor. Ms. Lechner has published her work in international journals and has presented numerous workshops injury prevention both nationally and internationally. There are over 1700 clinics providing the ErgoScience assessments in the US and 17 other countries.

Breakout Session #4A - 2:30 PM - 3:30 PM

Track A - Safety - Culture / Leadership

The Many Benefits Of Certifications For Safety Professionals

Terrie Norris, CSP, ARM, CPSI

This session will discuss the value of professional certification to further your career. We will also look at the variety of available BCSP certifications, and how different certifications can enhance your value to your employer and expand your career opportunities.

Learning Objectives:

- 1) Value of certification – how it can expand your career opportunities
- 2) Overview of available BCSP certifications
- 3) Differences between certifications

Terrie S. Norris, CSP, ARM, CPSI

York

EXPERIENCE

Prior to joining York, Terrie worked in the risk control department of several prominent insurance brokerage firms, where she was responsible for managing the risk control technical staff and providing risk control and risk management services to a variety of private and public entity clients. She has experience conducting risk control audits, ergonomic assessments, and site security assessments, as well as developing customized training programs, assessing client compliance programs, and assisting clients in developing loss control programs and implementing corrective action plans.

PROFESSIONAL AFFILIATIONS

- American Society of Safety Professionals (ASSP) – Professional Member and Society Past President
- American Society of Testing and Materials (ASTM) – F15 Playgrounds Committee and E34 Consumer Safety Committee member
- Board of Certified Safety Professionals Ambassador
- Canadian Society of Safety Engineering – Member
- International Network of Safety and Health Professional Organizations (INSHPO) – President (2018)
- National Safety Council (NSC) Industrial Division – Rubber & Plastics Section Chair; Communications & Training Standing Committee Vice Chair and Member

Breakout Session #4B - 2:30 PM - 3:30 PM
Track B - Safety – Legal / Regulatory / Best Practices
Threat Assessments And Management
Hector Alvarez

Threat Assessment and Management - Strategies for addressing threats of violence

When a threat or concerning behavior surfaces in your organization it can be overwhelming if you're not prepared. This presentation will introduce best practices in the world of threat assessment and management of persons suspected to be planning acts of targeted violence. We will explain the steps involved with conducting behavioral threat assessments, provide a framework for categorizing threatening behavior and give an overview of several response strategies.

Learning Objectives:

1. What is Threat Assessment? – An overview of current research and resources
2. Targeted violence risk factors and warning behaviors
3. Best practices in assessment, intervention and case management strategies



Hector Alvarez
Alvarez Associates LLC

Mr. Hector Alvarez is a security expert who specializes in workplace violence prevention and a Certified Threat Manager™ by the Association of Threat Assessment Professionals. He holds a MS in Forensic Psychology and a BS in Criminal Justice. He has built over 25 years of threat management, security, domestic terrorism and crisis management experience serving as a Security Director protecting one of our nation's most sensitive critical infrastructures, to working as a city police officer and as a professional security consultant. He understands the challenges individuals and organizations face when addressing the threats of violence because he has responded to them. He has personally assessed and/or responded to thousands of potentially violent situations, developed numerous violence prevention programs and trained tens of thousands of employees and managers in the areas of crisis intervention, active shooter response, violence prevention, domestic terrorism and emergency management.

Breakout Session #4C - 2:30 PM - 3:30 PM
Track C - Human Resources / Workers Compensation
Aging Workforce
Jerry Bach, CSHM

Aging Workforce is a presentation intended to help participants identify the values, ideal rewards, and motivations of different age groups. Understanding what drives individuals helps to retain employees, build a stronger workplace, and improve safety performance. Evaluate how having an age-blended workforce impacts your company and if you're taking to correct measures to appeal to every generation.

Learning Objectives:

1. Compare and contrast the values and motivations of different age groups in the workforce
2. Identify effective means of communication with the different generations
3. Understand how to prevent the differences in generations from negatively impacting your workplace



Jerry Bach, CSHM
Senior Vice President
Safety Center Inc.

Jerry Bach is the Senior Vice President of Workplace Safety programs for Safety Center. With over 30 years of experience providing training in both the private and public sectors in defensive driving, traffic control, mobile equipment and general safety training, Jerry has been involved with the development of training programs for Cal/OSHA staff statewide as well as the customization of training programs for numerous employers.

Breakout Session #4D - 2:30 PM - 3:30 PM
Track D - Industrial Hygiene
Wildfire Residues Impact Assessment
Xavier Alcaraz, MSPH, CIH, CSP

Wildfire Residues Impact Assessment
– A Case Study from the 2017 Northern California Fires

A case study will be presented that reviews how BSI supported the County of Sonoma with performing a wildfire residues impact assessment of its facilities following the Northern California wildfires that occurred in October 2017. The largest of the wildfires (Tubbs) and smaller fires including the Nunns, Patrick, and Atlas were within close proximity to many Sonoma County properties and buildings. Combustion byproducts from wildfire are a complex mixture of particulates and gasses that may include carbon monoxide, carbon dioxide, nitrogen oxides, polyaromatic hydrocarbons, trace minerals, and particulates. The particulates produced by wildfires can be further classified as char, soot, and ash. BSI developed an assessment strategy for the County of Sonoma and performed comprehensive sampling assessments of potentially impacted County of Sonoma facilities. Based on the sampling results and other risk factors, cleaning and restoration of impacted buildings was performed followed by verification sampling to validate the effectiveness of cleaning. The presenter will review the risk assessment approach and sampling strategy adopted for the study, sampling methods, interpretation of sampling data, and cleaning/restoration strategies. The presenter will also review the new 2017 AIHA Guide for Wildfire Assessment and provide recommendations for minimizing the business interruption and EHS impact of wildfires to your facilities and operations.

Learning Objectives:

1. Contrast the pros and cons of performing testing for wildfire residuals
2. Examine the presenter's methods used for assessing the level of impact of wildfire residuals to buildings
3. Identify actions to adopt to minimize the impact of wildfire residuals to buildings



Xavier Alcaraz, MSPH, CIH, CSP
Principal Consultant
BSI

Xavier Alcaraz is a Principal Consultant and National Safety Practice Director for BSI. He has a Master of Science degree in industrial hygiene and safety from the University of Washington and is a Certified Industrial Hygienist and Certified Safety Professional. He has over 20 years of professional experience in industrial hygiene, safety, and building science disciplines, and has a long track record of successfully managing technically complex projects and accounts. He provides consulting services to a multitude of industries including municipal agencies, electronics, semiconductor, government, construction, traditional manufacturing, and life sciences in North America and globally.