

2019 JTS

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Speaker Bios and Session Overviews

8:00 – 9:00 AM Opening Keynote: Dawn Armstrong, CSP

Treasure Hunting: How to Find and Leverage Hidden Talent to Support Workplace Initiatives

This talk is for anyone who is striving to do more with less in the workplace. For various reasons, workers today are being asked to be more resourceful, efficient, cost-effective and productive within the same workweek we've always had. Imagine having a team of people that are already in place, eager to work with you, and more talented and capable than you realized.

Learning Objectives

After completion of this session, attendees will be able to:

1. Determine the type, size, and scope of team needed to best meet the goals at hand.
2. Find the best internal sponsors, branding and marketing to support team success.
3. Recruit, train, and maintain motivation and results with the volunteer team of your choice.
4. Capture and share successes and value-added activities.



Dawn Armstrong is an international risk manager with a proven track record of creating and implementing award winning large-scale programs and training in a variety of industries. As a global risk manager, Dawn leads diverse teams toward achieving excellent safety, impeccable customer service, on-time deliverables, and substantial cost savings.

Ms. Armstrong holds an MS in Environmental Occupational Health Science. She is a Certified Safety Professional and a Certified Industrial Ergonomist.

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12:15 - 1:15 PM Lunch Keynote Speaker: William “Jack” Jackson ***Ten Feet Tall and Bulletproof***

Do the terms “that will never happen to me” or “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?”

Jack will address this attitude and help us to understand why, as adults, we tend to think we are “safe enough”. With this viewpoint of many employees, it is difficult to make real change. 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 your safety culture. Jack will lead you through the transition that all employees need to make, from thinking that nothing can hurt us to learning from our mistakes. Jack is a motivational presenter and you will leave this session with new ideas on how to advance your safety culture by getting people to think differently about their own personal safety. This presentation is designed to spark critical thinking.

Learning Objectives

After completion of this session, attendees 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.

William “Jack” Jackson is a Senior Safety Consultant at SafeStart. He attended Lincoln University earning a B.S. in Mechanical Technology and was a 3-year letterman on the university’s football team. While attending Lincoln, he completed Basic Training in Fort Knox, Kentucky.

Jack’s experience has given him the ability to relate to any audience. His career included working in production, operations and safety at Johnson Controls for 19 years, followed by seeing Avanzar Interior Technologies through the safety phase of new construction. In addition to developing a safety program, he also developed a conditioning program to prepare team members to become industrial athletes. Coach Jack worked with two semi-professional football teams for 6 years and was named NFL defensive coordinator of the year.



Jack used his experience to develop a safety concept that teaches participants of his courses “safety

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is always first.”

9:15 - 10:15 AM Breakout Session #1A: Robert J. DeMalo ***The new OSHA Silica Rule, what we have learned thus far***

Over the past two years, EMSL has analyzed over 20,000 samples for Respirable Crystalline Silica (RCS). This presentation takes a look at what EMSL has learned from a laboratory perspective. The presentation will review silica data, sampling, and use trends. This presentation will also take a look at the new technology that has emerged during this timeframe and discuss best practices for RCS sampling and analysis.

Learning Objectives

After completion of this session, attendees will be able to:

1. Identify gaps and areas of improvement in sampling and analysis for Respirable Crystalline Silica since the implementation of the new OSHA Silica Rule.
2. Examine a large analytical data set to identify trends since the implementation of the new OSHA Silica Rule.
3. Contrast the differences in the new and old OSHA Silica Rule.

Robert J. DeMalo is the Senior Vice President of Laboratory Services and Business Development for EMSL Analytical where he has occupied various positions with increased responsibilities. He is currently responsible for coordinating and implementing expansion strategy through acquisition of new laboratory space, analytical instrumentation, certification and clients. Responsible for identifying, exploring and performing due diligence with respect to acquisition opportunities. Identify new market segments; research and validate new analytical methodologies to promote growth and diversification of laboratory services. He has provided technical consulting services to various agencies, including but not limited to, the USEPA, MA DEP, CA DTSC and the USDOT/VOLPE Center in developing specialized asbestos methodologies in problematic matrices.



Mr. DeMalo holds a MSc in Environmental and Occupational Health Science and is a member of the AIHA, Environmental Information Association (EIA), the ASTM D22 Committee and the American Foundry Association (AFS).

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9:15 - 10:15 AM Breakout Session #1B: Khara Huhta, CSP ***Fall Prevention Deserves Your Attention: Hidden Fall Hazards***

When employers think of fall protection and fall prevention, their thoughts often stop at rooftops and personal fall arrest systems. The question is: Why? There are many standards regarding fall protection and fall prevention, spanning across general industry, construction, and maritime, among others. However, these standards can be confusing, leaving employers unsure of which standards should be applied to the work locations and job tasks in their workplace. This confusion often leads to ineffective or absent fall protection and fall prevention solutions, placing their employees at unnecessary risk. Successful employee fall protection and fall prevention is achieved by understanding the types of falls employees may be exposed to, identifying all fall hazards in the workplace, and applying the most effective controls to mitigate them.

Furthermore, to avoid any additional confusion, it is important for employers to understand all the solutions within each of the control measures and understand that one size does not fit all. This presentation will include a review of commonly missed fall protection hazards, review the fall prevention hierarchy of controls, and review effective fall protections engineering solutions.

Learning Objectives

After completion of this session, attendees will be able to:

1. Identify at least three commonly missed fall hazards.
2. Cite the fall prevention hierarchy of controls.
3. Identify at least three engineering solutions to prevent falls.

Khara Huhta is a passionate certified safety professional and certified athletic trainer with experience on all sides of occupational safety including injury and illness prevention, assessment, response and the workers' compensation process. In her previous career-life, Khara provided athletic training services to the magical cast members at Disneyland before she found her second passion in health and safety. Khara started with BSI EHS Services and Solutions in 2016 and has performed fall protection assessments, confined space inventories, and ergonomic assessments, among other projects. She works entertainment conventions as a side-gig and, if you are looking for her on a weekend, you will often find her relaxing in the company of her husband and their two dogs, Willow and Barrett.



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Ms. Huhta holds a CSP and an MS in Athletic Administration.

9:15 - 10:15 AM Breakout Session #1C: Robert Adams, CIH, CSP, FAIHA
The Contrasting and Converging Paths of Occupational and Environmental Risk Assessment

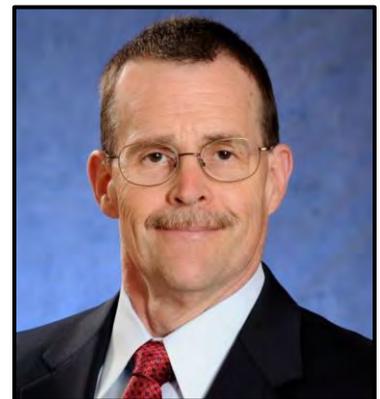
This presentation will provide an overview of the historical approach to occupational exposure and risk assessments and the development of chemical occupational exposure limits (OELs). The attendees will be presented with insights about the changing global landscape for exposure and risk assessment as a result of REACH, TSCA revisions, concerns for total worker health, and environmental risk assessment methodologies. The attendees will be given perspectives on how Industrial Hygienists and Safety Professionals might need to adapt their use OELs in the future to deal with the workplace of the 21st Century.

Learning Objectives

After completion of this session, attendees will be able to:

1. Identify the historical approaches to occupational exposure and risk assessment.
2. Examine how occupational exposure and risk assessment have been impacted by environmental risk assessment methodologies.
3. Recognize how IHs may need to adapt occupational exposure and risk assessment methods to address emerging issues in the 21st Century workplace.

Robert Adams has over 35 years of experience in occupational health and safety, with particular emphasis on exposure and risk assessment, industrial hygiene, expert services, asbestos, lead, compliance auditing, health and safety due diligence, emergency preparedness, health and safety program management, hazardous materials, indoor environmental quality and mold. He has provided expert support in quantitative and qualitative exposure analysis, assessment and reconstruction, and has served as an expert on a range of matters related to occupational exposures to asbestos, lead, mold and solvents.



Mr. Adams holds an MS and CIH, CSP, and FAIHA credentials and is a member of AIAH, ACGIH, and ASSP.

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9:15 - 10:15 AM Breakout Session #1D: Andrew Cuthbert, CSP, CHMM *The 5 “Ws” and How on Business Continuity Planning*

After 911 and Hurricanes Katrina and Sandy, more stakeholders began asking companies about their Business Continuity Programs. These stakeholders included stockholders, employees, insurance companies as well as supply chain members up and down stream. While systems exist for writing these documents, verifying and testing these plans can be a challenging adventure.

Learning Objectives

After completion of this session, attendees will be able to:

1. Identify who are the players
2. Understand what a BCP is
3. Determine when to trigger a plan
4. Determine where it should be in your organization
5. Understand why have a BCP
6. Know how to set up a BCP

Andrew Cuthbert - started his career in safety when he worked at Exxon in the early 80's. He was in specialty chemical sales and customers wanted to know about the safety of their products. He then went to night school at UCI Extension and earned four certifications, then a master's degree and changed his career entirely to EH&S.



Mr. Cuthbert worked for a bulk chemical distributor, an electrical connector conglomerate and finally for Western Digital (WD) as the Senior Director of EH&S. He also achieved the CSP and CHMM certifications. His last two significant responsibilities at WD were Business Continuity and Sustainability. He is a member of the BCSP and ASSP.

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10:45 – 11:45 AM Breakout Session #2A: Madeline Dangazyan

When Something Stinks: How running VOCs helped with indoor odor evaluation

One of the most difficult evaluations for an industrial hygienist is that of an odor complaint as odor descriptions are highly subjective. This presentation will include various assessment strategies to help identify odor; various sampling methodologies available to assist with identification (volatile and semi-volatile organic compounds); sampling strategies (e.g. time duration, location of sampling, active sampling, passive sampling); and case studies of interesting odor projects performed at FACS.

Learning Objectives

After completion of this session, attendees will be able to:

1. Evaluate available analytical methodologies associated with helping to identify odor issues/sources (comparing methods and application to specific projects)
2. Evaluate sampling techniques (passive versus active)
3. Select sample duration & locations: does it affect result outcome?
4. Learn from Case Studies

Madeline Dangazyan is a Project Manager with FACS providing comprehensive and proactive industrial hygiene project management, indoor air quality (IAQ), and indoor environmental quality (IEQ) services. These services consist of conducting indoor air quality investigations, including odor evaluations, mold & moisture, and smoke & soot contamination, exposure assessments in diverse locations, including residential homes, private businesses, and medical centers. These investigations involve research and sampling, interpretation of data, preparation of reports with recommendations and conclusions.



Previously, she supervised the semi-volatile organics and industrial hygiene laboratory at ALS Environmental in Simi Valley (previously Columbia Analytical Services). She has 20 years of experience as an air-quality environmental chemist and extensive knowledge of OSHA, NIOSH, and



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EPA sampling and analytical methodologies. Madeline has a BS in Chemistry and an MS in Industrial Hygiene both from California State University, Northridge.

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10:45 - 11:45 AM Breakout Session #2B: Eduardo Cantu, CSHO

LOTO: What you need to know and OSHA's request for updates to the Lockout/Tagout standard

This presentation will show safety professionals how to maintain a best-practice LOTO program. Mr. Cantu will tap into his OSHA knowledge-base, applied experience and training expertise to demonstrate techniques which use relatable language to increase retention of LOTO procedures, emphasize relevance of first-hand fatal scenarios, conduct quick assessments to identify program gaps, and lead a class discussion in response to OSHA's recent informational request to identify potential updates to the lockout/tagout (LOTO) standard.

Learning Objectives

After completion of this session, attendees will be able to:

1. Clarify requirements of the Lockout/Tagout (LOTO) Program.
2. Ensure everyone is aware of their role within LOTO Program. (Authorized, Affected and Others).
3. Provide an opportunity to discuss concerns related to LOTO Programs.
4. Provide an opportunity to respond to OSHA's information request for possible updates to LOTO standard.

Eduardo Cantu has 20 years of safety experience in the manufacturing, pipeline, oil & gas, construction, general industry, and drilling rigs. For the past 10 years, he has been a Safety Consultant and Master Bilingual Outreach Instructor through his company Cantu Safety. He received most of his credentials through the Texas A&M Engineering Extension (TEEX). He is part-time instructor for the TEEX and TSTC south Texas college. In South Texas, he trains a multitude of agencies including; USDA, DEA, US Customs, ICE, TCEQ, and TXDOT thanks to his associations with Texas A&M and the Health Safety Institute.

Mr. Cantu holds a CSHO for the Oil and Gas Industry and is a member of ASSP.

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10:45 – 11:45 AM Breakout Session #2C: Lorene Alba and Christina Armatas, MD *The New Lead Standards*

The standards for keeping workers safe from lead exposure are changing in light of studies showing negative health effects at blood lead levels we previously thought were safe. In this session, we will review exposure reduction methods to reduce the risk of health impacts from lead poisoning, expected updates to the Cal-OSHA lead standard, and trends in lead poisoning from the Occupational Lead Poisoning Prevention Program in the California Department of Public Health (CDPH).

Learning Objectives

After completion of this session, attendees will be able to:

1. Identify best practices for preventing lead exposure.
2. Recognize the challenges in occupational blood lead surveillance.
3. Describe Cal/OSHA lead standards proposed updates.

Lorene Alba is a graduate of Johnson & Wales University and is bringing her 10+ years of experience in developing in-person and online training and education to the occupational health field. She has expertise in developing and delivering education to clinicians, health educators, and people living with chronic conditions and their caregivers. Ms. Alba is a certified asthma educator (AE-C) and health education subject matter expert, community moderator and blogger with Health Union. She specializes in health literacy and adult learning theory, and is passionate about teaching workers how to protect themselves from lead exposure, and collaborating with health and safety professionals to create safe workplaces. She holds an AE-C credential (Certified Asthma Educator).

Christina Armatas is a board certified physician in Internal and Preventive Medicine. She works as a public health medical officer in the Occupational Health Branch at CDPH. Her focus is in physician education on occupational health topics and emergency preparedness. Before joining CDPH, Christina practiced medicine as a primary care physician at Kaiser Permanente in San Francisco, where she also completed her residency training. She holds an MPH.



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10:45 - 11:45 AM Breakout Session #2D: Gevork Kazanchyan, REHS Rationalizing with the Irrational: EH&S Messaging Literacy & “Buy In” Best Practices

This session will cover the common dynamic of performing scientifically rigorous EHS work on complex employee exposure issues and the subsequent challenges encountered when communicating findings to stakeholders that embody one or a combination of the following barriers to effective comprehension of the assessment: scientifically illiteracy, distrust of their employers, high irrationality, subscription to pseudo-scientific and conspiracy theories, ulterior motivations by nefarious union/bargaining/litigation interests. This session will also cover anecdotal case studies that delve into the futility of being purely rational with the stakeholder audience and offer "best practice" guidance from a more effective public health outreach and I/O psych perspective.

Learning Objectives

After completion of this session, attendees will be able to:

1. Identify common barriers to employee “buy in” for EHS findings.
2. Apply risk communication tools for addressing challenging or suspicious employee populations.
3. Examine viable paths toward gaining trust and credibility from employee audience.

Gevork Kazanchyan is a full-time risk management professional with L.A. County’s Chief Executive Office. He earned his bachelor’s and master’s degrees in environmental and occupational health at CSU Northridge while co-captaining the ice hockey team. He is a part-time environmental health professor at his alma mater and teaches food protection at College of the Canyons and El Camino College. He has an appreciation for most things gastronomical and routinely weaves his EHS pedigree into numerous passion projects such as serving as a Food Protection & Risk Advisor to Industry during the passage of CA Assembly Bill 626, co-authoring an article on exposures to VOC’s from coffee in Roast Magazine, discussing raw milk safety for the New Yorker Magazine and publishing on microbial safety for craft cocktails in the national Journal of Environmental Health.



Mr. Kazanchyan holds a MSc in Environmental & Occupational Health and he is a Registered Environmental Health Specialist, a Certified Lead Prevention Inspector/Assessor, and a Certified Asbestos Contractor/Supervisor/Competent Person.

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1:30 – 2:30 PM Breakout Session #3A: Renee Hartsook, PhD, DABT
***Plain Language Summaries for Hazard Banding and Occupational Exposure Limits:
Introducing the Hazard Communication Brief***

“You tell me it’s safe, but do I believe you?” Organizational trust in the reliability of information provided about workplace hazards is central to the effectiveness of any occupational health program. Hazard characterization (hazard banding or occupational exposure limit) documents are typically long, highly technical documents that are not easily understood. Yet, to build and maintain trust it is essential to communicate basic concepts to the target audience in a clear and effective manner. This presentation demonstrates the utility of plain language summaries. Writing a plain language summary is not merely a matter of preparing a short technical abstract but requires understanding the target audience. Even where the audience is intellectually sophisticated and educated, documents rife with jargon and overly technical concepts impair comprehension. The translation of technical toxicology concepts into plain language will be illustrated with examples. This presentation will show how plain language summaries empower occupational health professionals and workers to handle materials with greater confidence and awareness.

Learning Objectives

After completion of this session, attendees will be able to:

1. List the benefits of a plain language summary.
2. Define the key elements of a plain language summary.
3. Identify resources for learning how to write in plain language.



Dr. Renee Hartsook is an advocate for plain language communication and works with clients to communicate technical concepts clearly. She is a board-certified toxicologist with 20 years of professional experience in pharmaceutical development, medical devices, product stewardship, sustainability, and occupational toxicology. Presently a consulting toxicologist with emphasis in occupational health, Dr. Hartsook has authored more than 200 occupational hazard assessments. She holds a Bachelor of Science degree in Environmental Toxicology and PhD in Pharmacology and Toxicology, both from the University of California, Davis. In addition to her work as a consulting toxicologist, Dr. Hartsook is an adjunct assistant professor in the PharmD program at West Coast University.

Dr. Hartsook holds a PhD and a DABT and is a member of ACGIH, AIHA, Society of Toxicology, and the American College of Toxicology.

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1:30 – 2:30 PM Breakout Session #3B: Zohra Ali ***Cal OSHA Updates***

The latest Cal/OSHA standards of most interest at the time of the presentation will be covered. Top 10 citations in general industry, construction, and agriculture will be noted. Cal/OSHA consultation and how this branch of Cal/OSHA can assist employers will be discussed.

Learning Objectives

After completion of this session, attendees will be able to:

1. Learn the newest Cal/OSHA standards that will affect the industry.
2. Learn the top 10 cited standards in general industry, construction, and agriculture.
3. Learn what Cal/OSHA consultation does and how they help employers.

Zohra Ali, MS is a senior safety engineer with the Cal/OSHA Consultation Service. Ms. Ali has more than 19 years' experience with Cal/OSHA. She worked more than 14 years in Cal/OSHA Enforcement in which she conducted numerous complaint and accident investigations, and many programmed inspections. She was also a manager in two Cal/OSHA Enforcement offices for more than 3 years.

Ms. Ali holds a MSc (Environmental Science) and MSc (Occupational Hygiene).

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1:30 – 2:30 PM Breakout Session #3C: Ryan Thacher, PhD, PE & Alex Revchuk, D.Env., PE ***Follow the Water: Causes and implications of failures in industrial and commercial water systems***

Alex Revchuk, D.Env., P.E., MPH, BCES, and Ryan Thacher, Ph.D., P.E., will provide a cohesive overview of linkages between water, public health in general, human health, environmental health, and risk assessment, in the context of water flow and its uses in industrial and commercial settings. From raw water treatment for industrial operations, to boilers and cooling systems, to industrial wastewater treatment, the presenters will highlight the most common failures; describe factors that lead to these failures and how to recognize these factors early on. They will discuss potential strategies to remedy these failures, and a range of possible outcomes of these failures including risks to human health and the environment. They will discuss relevant analogues in commercial settings (hotels, hospitals, new construction, etc.) in addition to instances of runoff, discharges, spills, and cross-connections and backflow events, and the potential environmental and human health implications following these events. Lastly, the presentation will include environmental remediation strategies for a range of potential impacts resulting from the above-listed incidents.

Learning Objectives

After completion of this session, attendees will be able to:

1. Examine a range of water uses and practices in commercial and industrial settings
2. Identify typical factors and points of failure in commercial and industrial water systems
3. Evaluate risks resulting from failures in commercial and industrial water systems
4. Survey a range of remedial and mitigation options following commercial and industrial water systems failures

Dr. Ryan Thacher has an undergraduate degree in chemical engineering from UCSB and a Ph.D. in environmental engineering from USC. Dr. Thacher is currently a managing engineer at Exponent, Inc., where he manages and lends technical expertise to projects involving hydrodynamics, the environmental fate and transport of chemical constituents, water resource management, and water quality regulation and compliance.

Dr. Thacher is a member of the American Water Resources Association, American Bar Association Section of Energy and the Environment, and LA County Bar Association Environmental Law Section.



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Dr. Alex Revchuk is a civil and environmental engineer that advises private commercial and industrial entities, beverage manufacturers, public agencies, and utilities in energy production, water, and wastewater sectors. In the environmental remediation arena, he specializes in the evaluation of suitable groundwater and soil remediation alternatives for a wide range of chemicals including petroleum hydrocarbon compounds, chlorinated solvents, pesticides, and metals.

His credentials include D.Env, P.E, MPH, and BCES and he is a member of the American Water Works Association, Academy of Environmental Engineers and Scientists (AAEES), Bay Area Water Works Association (BAWWA) and the Bar Association of San Francisco (BASF).



1:30 – 2:30 PM Breakout Session #3D: Obed Varela, CSP, CHMM, REHS *EH&S Data and Analytics – A Novel Approach to Prevention of Serious Injuries and Fatalities*

The presentation will go over our experience implementing and deploying an enterprise EH&S management system. How to decipher the data and leverage to focus resources and support on injury precursors and thus prevention. Furthermore, we will explore trends observed during the early phases of implementation, as well as some of the pre-work that can make a launch successful, including coaching and aligning senior management, as well as dedicated teams. We will discuss the SIF-pSIF concept and how it compares against more traditional metrics. Last, there will be a discussion on how to effectively leverage technology to increase reporting and some of the caveats to be aware of as reporting platforms become more democratic and accessible.

Learning Objectives

After completion of this session, attendees will be able to:

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1. Evaluate data from your EH&S Management System to effect change leveraging SIF-pSIF definition.
2. Apply learnings from your data, and your environment, to focus on injury prevention.
3. Influence the organization, including leadership, to support and focus on prevention.

Obed Varela is the Director of EH&S for Takeda Pharmaceutical's largest human plasma fractionation facility and an associated plasma delivery and distribution center. Prior to Takeda, Obed was Director of EH&S and Regulatory Compliance for Cymer-ASML, the largest manufacturer of semiconductor lasers and computer chip scanners. Prior to Cymer-ASML, Obed was the Head of EH&S for Illumina, the leader in gene sequencing technology. Obed has worked in a variety of industries including manufacturing, retail, insurance, and real estate and has over 20 years of experience across a broad spectrum.



Mr. Varela holds a MSc in Environmental and Occupational Health, a Certified Safety Professional CSP, Certified Hazardous Materials Manager (CHMM), and a Registered Environmental Health Specialist (REHS).

3:00 - 4:00 PM Breakout Session #4A: Rob Kleinerman, CIH

Overview of the Emerging Cannabis Industry and AIHA's Cannabis Industry Health and Safety Task Force

The American Industrial Hygiene Association has set up a Cannabis Industry Health and Safety Task Force to study the hazards, controls and other health and safety issues associated with the growing number of workers in the cannabis industry. Currently, 33 states and the District of Columbia have legalized medicinal cannabis and 10 states have legalized it for adult use. Both adult and medicinal cannabis has also become legal in Canada as of October 2018. This emerging industry will result in hundreds of thousands of new jobs where worker health and safety could be impacted.

This presentation will provide an overview of the emerging Cannabis Industry and will address the hazards and controls within different sectors of the supply chain (i.e. cultivation, manufacturing and distribution), review a brief history of cannabis regulations, and provide a synopsis of the issues being addressed by the AIHA Task Force including laboratory accreditation and defining impairment.

Learning Objectives

After completion of this session, attendees will be able to:

1. Recognize workplace hazards in the cannabis industry, including within the growing, harvesting, processing and manufacturing environments.

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2. Identify controls and safety program components that apply to cannabis operations, such as job hazard analysis and personal protective equipment assessments.
3. Learn about the history of cannabis regulation in the USA and the impact that current law has on health & safety regulation, law enforcement and medical research.
4. Understand the relationship between safety sensitive and decision critical work operations and how organizations are adjusting their labor policies until cannabis impairment can be better defined.

Rob Kleinerman is the Principal of Kleinerman & Associates, a professional consulting firm located in the San Francisco Bay Area of California, providing environmental health and safety consulting services to businesses in the western United States. His expertise includes development and implementation of Occupational Health and Safety Management systems; EHS program management, OSHA compliance, industrial hygiene, laboratory safety, control of potent pharmaceutical compounds, environmental protection and emergency preparedness & response.

Prior to consulting, Rob has worked for the Los Angeles County Health Department's Hazardous Materials Program, was an Industrial Hygiene Management Consultant with Cal/OSHA and has held several Corporate Environmental Health and Safety Management positions in the chemical, biopharmaceutical, and technology industries.

He holds an M.P.H. degree in Occupational and Environmental Health Sciences from the University of California at Los Angeles with an emphasis in industrial hygiene and a minor in environmental management. He is certified by the American Board of Industrial Hygiene in the Comprehensive Practice of Industrial Hygiene, is a past-President of the Northern California section of the American Industrial Hygiene Association, has served as a member of the ANSI Z9.11 subcommittee that developed a standard for Laboratory Decommissioning and is currently serving on both the AIHA Legal committee and as the Chair of the AIHA Cannabis Industry Health and Safety Task Force.



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3:00 - 4:00 PM Breakout Session #4B: James Boretti, CSP ***Making a Business Case for Safety and Culture & ASSP***

This session will focus on organizational motivations for safety, share examples of aligning organizational techniques to integrate safety without compromising your safety values, and explore the various ways members can avail themselves of the professional development opportunities ASSP provides in building toward success.

Learning Objectives

1. Motivations: for safety in our organizations: why do they do it.
2. Examples: Shared experiences in overcoming barriers that leads to safety integration.
3. Society: Importance of your membership in ASSP and how that helps you succeed.

James Boretti, with over 30 years of experience, has an extensive background in the field of Occupational Safety & Health. James is President of Boretti, Inc., a professional Safety, Health & Environmental firm providing a broad range of technical, sustainability, and business safety solutions.

He has successfully consulted with an array of clients and industries, including healthcare, manufacturing, television, construction, and agricultural environments. His efforts have resulted in measurable, improved operational efficiency and productivity, lowered insurance rates, reduced claims frequency, and OSHA compliance. James is a frequent speaker for clients and professional organizations such as the American Society of Safety Professionals (ASSP), and has taught courses for the University of California, Irvine, in ergonomics and teaches a course in sustainability/CSR. James is well versed in ISO (International Organization for Standardization) and other non-governmental voluntary and marketplace certifications for safety, environmental, and sustainable operations.

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3:00 - 4:00 PM Breakout Session #4C: James Kapin, CIH

WARNING – California Proposition 65 Requirements Have Changed? Are You Ready?

California's Proposition 65, also known as the Safe Drinking Water and Toxic Enforcement Act of 1986, requires "clear and reasonable" warnings on products that could expose California consumers to listed carcinogens or reproductive toxins above threshold levels. Prop 65 also requires warnings for employees and visitors to California facilities. As of August 30, 2018 the requirements for warnings have changed and businesses wanting "safe harbor protection" will need to provide updated warnings for consumer, occupational and environmental exposures to listed chemicals.

Does your business have facilities in California or sell products in California? Does your business use (or does your product contain), any of the more than 1000 carcinogens or reproductive toxins on the Prop 65 list? Are you already providing "generic" Prop 65 warnings at your facility or on your product literature? If so, your business may be required to provide warnings to consumers, employees or site visitors that meet the updated requirements.

This session will review the recent changes to Prop 65 and will provide attendees the information they need to recognize potential exposures to Prop 65 chemicals, evaluate those exposures with respect to Prop 65 "No Significant Risk Levels" and "Maximum Allowable Dose Levels" thresholds and implement controls that comply with Prop 65 requirements and protect their businesses from public or private "bounty hunter" enforcement, litigation, fines and expensive legal consequences.

Learning Objectives

After completion of this session, attendees will be able to:

1. Recognize potential exposures to Prop 65 listed carcinogens and reproductive toxins and evaluate exposures with respect to NSRL and MADL thresholds.
2. Identify applicable Prop 65 requirements for consumer, environmental and occupational exposures.
3. Develop warnings for potential exposures that meet prop 65 requirements to provide "clear and "reasonable" warnings through "Safe Harbor" language or other means.

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James Kapin is the Manager of EM Services for ACTenviro, based in San Diego, California. He has over 25 years of experience providing health, safety and environmental consulting and regulatory compliance services. His specialties include exposure assessment, EH&S program management, mold and indoor air quality, hazardous materials spill response as well as OSHA and environmental compliance. Mr. Kapin is a Certified Industrial Hygienist and earned a Masters of Public Health degree with an emphasis in Occupational Health from San Diego State University.



3:00 - 4:00 PM Breakout Session #4D: Craig Merlic, PhD
Using Safety Culture Surveys to Measure the Impact of Supervisor Engagement and Leadership on Laboratory Safety

Safety practices in research laboratories should ideally follow OSHA and NFPA standards as administered by an institution's EH&S office. However, leadership by individual managers can affect the outcome of institutional mandates. To explore those issues, safety culture surveys were conducted at several major research universities to benchmark their safety culture, and aggregate data were used to identify factors influencing the safety culture for researchers. The data was analyzed by single topics and also by correlating between topics to establish important connections. Hence, we were able to measure directly the impact of supervisor engagement and leadership on laboratory safety behaviors and incidents involving injuries to researchers.

Learning Objectives

After completion of this session, attendees will be able to:

1. Identify actions by managers that positively influence safety.
2. Identify actions by managers that negatively influence safety.
3. Examine conduct by workers that correlates with injuries.
4. Evaluate behaviors that correlate with a positive safety culture.

Craig Merlic: Professor Merlic has been in the UCLA Department of Chemistry and Biochemistry for thirty years and directs a research group focusing on applications of transition metal organometallic chemistry to organic synthesis. He has received teaching awards and has also created award-winning online educational projects addressing course content management and spectroscopy.





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Professor Merlic promotes laboratory safety at UCLA, the University of California system, and academic institutions nationwide. At the University of California system-wide level, he is the Executive Director of the UC Center for Laboratory Safety that has ongoing projects to improve laboratory safety policies, procedures, and training based on scientific studies (<https://cls.ucla.edu>). Through the Center he manages the Safety Training Consortium that provides safety-training courses to dozens of universities across the nation (<http://safety-consortium.org>).