



October 26, 2016  
Long Beach, CA

The Grand  
Long Beach  
Event Center

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2016 Joint Technical Symposium  
OC ASSE, OC AIHA, LB ASSE  
SC AIHA, ASSE LA

## 2016 Joint Technical Symposium

Wednesday, October 26, 2016  
The Grand Long Beach Event Center

### Speaker Bios & Session Overviews

#### Opening Keynote - 8:00 AM – 9:00 AM Take Action to Prepare in the Workplace Brenda Emrick

Attendees will learn of the varietal areas of safety and preparedness, ways to improve their site/location, and develop employee safety skills and enrich the resiliency of the business community. Knowledge gained from the session can support the primary functions of safety and preparedness planning.

This session supports the engagement of core professional knowledge in an area where the reliance on “safety and preparedness is someone else’s job” is not effective or career smart. As leaders in the profession and in the communities served, attendees will learn that safety and preparedness starts with the individual. Placing attention on safety and preparedness can be fun, non-threatening and an educational experience – knowledge with a twist!

Attendees will participate in interactive activities and discussions on safety and preparedness measures in the workplace.

#### Learning Objectives:

- Examine the benefits of creating a safe and prepared workplace
- Review various safety and preparedness resources
- Apply knowledge in a group activity



#### Brenda Emrick

Ms. Emrick brings over 29 years’ of experience in community / public education with an emphasis on fire and life safety and emergency preparedness outreach for the last 22 years. She serves as the City of Costa Mesa Fire & Rescue Department’s civilian education specialist. She also supports emergency management for the city and has held the position of emergency services coordinator in another city. Ms. Emrick is a representative subject matter expert to the California State CERT Workgroup and serves as a lead instructor trainer for the State of California CERT and Teen CERT programs. She is also an adjunct instructor for the National Emergency Training Center (Emergency Management Institute – FEMA in Emmitsburg Maryland) as a CERT instructor trainer.

Current programs include: school-based emergency response team (Campus CERT) through El Camino Community College, Orange Coast College, Desert Sands, Tustin, Chula Vista and Newport-Mesa Unified School Districts, a workplace CERT and Business Preparedness Academy that meet the needs of private industry, Teen CERT programs at three area high schools, coordination of the City of Costa Mesa’s CERT program. Ms. Emrick conducts numerous basic community CERT classes throughout the year and supports the County of Orange jurisdictions with two Train the Trainer courses annually as well as support the state with instructor development training. Ms. Emrick was recently selected to travel with FEMA to China to deliver CERT programs in three major provinces in the country.

**Lunch / Keynote - 11:45 AM - 1:15 PM**  
**Protecting Workers in Global Supply Chains:**  
**The Case of Bangladesh's Garment Industry**  
**Garrett Brown, MPH, CIH**

Unsafe, unhealthy and abusive working conditions in global supply chains have defied significant improvement over the last 25 years because of three critical factors: the “sweatshop business model” adopted by international consumer brands and retailers; ineffective and corrupt “corporate social responsibility” monitoring of supplier factories; and the lack of meaningful worker participation in developing and implementing factory-level health and safety programs. Bangladesh became the poster child for sweatshop conditions because of the “perfect storm” of corrupt, ineffective government, harsh sourcing practices by international brands that provided factory operators with few resources, and a vulnerable worker population so poor they could not refuse any work no matter unsafe or unhealthy. Recent improvement efforts have centered on competent and public inspections of factories; mandatory correction of identified hazards with financial support from the brands; and worker participation (still a work in progress) in factory health and safety committees. These elements are applicable not only to garment, or to Bangladesh, but also to global supply chains generally and workplaces throughout the world.

**Learning Objectives:**

- Participants will understand three critical factors that have resulted in unsafe, unhealthy working conditions in global supply chains such as apparel, electronics, toys, and sports shoes and equipment.
- Participants will be able to identify the specific factors that have generated so many industrial accidents in Bangladesh.
- Participants will learn the key elements of the international efforts currently underway to improve workplace safety in Bangladesh, which provide lessons for protecting workers health and safety everywhere in the world, including the United States.



**Garrett Brown**

Garrett Brown worked for Cal/OSHA as a field compliance officer for 18 years and then 2½ years in Headquarters as the Special Assistant to DOSH Chief Ellen Widess, before retiring in 2014. Since 1993, Brown has been the volunteer Coordinator of the Maquiladora Health & Safety Support Network and has undertaken projects to increase the capacity of grassroots organizations to assist workers in global supply chains to protect their health and safety on the job and exercise their rights under the law. These projects have occurred in Mexico, Central America, Indonesia, China, and most recently

Bangladesh. Brown has visited Bangladesh five times in the last two years to help garment workers and their organizations improve working conditions in the world’s #2 apparel producer nation.

**Breakout Session #1A - 9:15 AM - 10:15 AM**  
**Legionella Outbreaks and Developing Building Water Management Program**  
**(i.e. ASHRAE 188-2015 compliant programs)**  
**Bill Jones, CIH, CSP, CPE**

This presentation will discuss the origin, ecology and characteristics of the *L. pneumophila* organism in order to help attendees understand how it can become a hazard in building water systems. This will also give an understanding of why controlling the hazard can require an aggressive management plan and if found, an aggressive response.

The presentation will discuss case studies of three recent outbreaks.

Using the ANSI/ASHRAE 188-2015 standard, the presentation will then summarize what EHS professionals need to know about prevention, recognition, evaluation, control and prevention of *L. pneumophila* in building water systems.

**Learning Objectives:**

- The origin and ecology of *Legionella pneumophila*
- Recent outbreaks and recommended building water management for controlling them
- What EHS professionals need to know about recognition, evaluation, control and prevention of *L. pneumophila* in building water systems



**Bill Jones**

Bill Jones is Vice President of Industrial Hygiene for Clark Seif Clark, Inc. His career of over 30 years as an environmental health and safety professional has included consulting as well as working for major oil and gas and aerospace companies. He has held Environmental Health and Safety management positions at the Northrop B-2 Division, Gencorp Aerojet in Azusa, CA (leading Aerojet to become the first aerospace company in California to

achieve the coveted VPP Star Status), Bureau Veritas North America, Inc. and Total Safety U.S., Inc.

Bill has a Master of Public Health from Oklahoma University, a Bachelor of Science in chemistry from The University of Central Oklahoma and a Bachelor of Science in biology from Oklahoma State University. Bill is a Certified Industrial Hygienist, Certified Safety Professional and Certified Professional Ergonomist.

He has been active in local sections of the American Industrial Hygiene Association (AIHA) and local Chapters of the American Society of Safety Engineers (ASSE). He served on the Board of Directors of the Oklahoma Section and the Southern California Section of AIHA (Past President SCAIHA). He is also Past President of the Orange County Chapter of ASSE.

**Breakout Session #1B - 9:15 AM - 10:15 AM**  
**Shift Work, Fatigue Management and Sleep Hygiene**  
**Hila Wright, MPH, CIH**

Almost every workplace has employees who are assigned to work shift schedules, at least some of the time. Shift workers on average sleep substantially less than workers who work first shift. The result is both decreased performance at work (which may result in catastrophic events for the employer) and a personal cost to the employee in terms of health and personal life experience.

However, most training available on this subject is not very detailed or thorough and does not cover the science. This training was developed to meet the needs of a group of rocket scientists, and therefore delves a little deeper and is more analytical in nature. It explores some basic background science on the subjects of sleep, the circadian rhythm and how shift work might impact these. It then provides some potential strategies that can be used to help the situation.

**Learning Objectives:**

- Define sleep and the circadian rhythm
- Describe the impact of shift work on the above
- Recognize the signs of fatigue, the impact of fatigue on performance, and the factors that may cause fatigue
- Review strategies that shift workers (and others) can use to improve sleep and to mitigate mild fatigue
- Develop a tool kit of potential strategies an employer can use to mitigate fatigue among shift workers in the work place.



**Hila Wright**

Hila Wright is a CIH with 17 years of EHS experience and a Master's degree in Industrial Hygiene from the University of California, Los Angeles, with a minor in Hazardous Substances. She has worked at The Aerospace Corporation for the last 3 years as an Industrial Hygienist. Prior to that she worked at a Los Angeles-based environmental consulting firm, moving up the ranks from field Industrial Hygienist to Manager, and as a research assistant in an environmental chemistry laboratory.



**Breakout Session #1C - 9:15 AM - 10:15 AM**  
**Nanomaterials: Health, Safety and Environmental Considerations**  
**Larry Gibbs, MPH, CIH**

Nanotechnology is being heralded as a driver of the next technological and economic wave and business enterprise development in this globally emerging field holds much promise. Applications utilizing nanomaterials are increasingly prevalent in many commercial arenas including manufacturing and consumer products. An understanding of the major issues involved with the application of nanomaterials and nanotechnology is important to gain an appreciation of the issues related to EHS risk management of this emerging technology. The unique properties of nanoparticles that yield many of the far-reaching societal benefits may also pose possible risks. The challenge is to determine whether the nature of engineered nanostructure materials and devices may also present new and unique safety and health risks. At the same time, there is a need to address how the benefits of nanotechnology can be realized while proactively minimizing the risk. Growing concern over the potential and perceived risks of nanomaterials may also lead to regulatory action that will impact organizations conducting research or developing new applications in the nanomaterials area. This presentation will provide an introduction to and overview of the risk management challenges associated with emerging technologies, using nanotechnology as a case study. Included will be a review of the challenges to providing for health, safety and environmental oversight, discussion of emerging regulatory and governance issues involved with newly emerging technologies, such as nanomaterials, and provide an overview of possible approaches to addressing the technical knowledge gaps.

**Learning Objectives:**

- Attendees will be able to state the criteria for designation of materials as “nanomaterials.”)
- Attendees will be able to identify 3 unique physical or chemical characteristics of engineered nanomaterials that differentiate their health, safety and environmental risks from
- Attendees will be able to identify 3 sampling systems for nanoparticles and identify the advantages and disadvantages of each type of sampler/system.



**Larry Gibbs**

Larry Gibbs is Associate Vice-Provost for Environmental Health and Safety at Stanford University where he is responsible for health, safety, and environmental risk management programs in addition to oversight of institutional emergency planning and risk communication. Stanford has over 2500 laboratories involved annually in over one billion dollars of research activity ranging from basic sciences, particle physics and engineering to biomedical and human subjects clinical research. His purview includes EH&S oversight of nanomaterials research conducted on campus. Larry is a lecturer at the Woods Institute for the Environment at Stanford and a member of the

Stanford Board of Overseers for the SLAC National Accelerator Laboratory. He has graduate degrees from Boston University in science education and from the University of Michigan in industrial hygiene and public health.

In addition to over 25 years of experience in academic, research and clinical institutions, he serves as a consultant for a variety of organizations and currently serves on the scientific advisory board for nanoTox, Inc., a nanomaterials safety, testing and consulting firm. He has authored numerous publications and served as officer and board member in a number of international professional associations, including as 2008 Chair of the ACGIH, and is a Fellow of the American Industrial Hygiene Association. He previously Co-chaired the Risk Management and Control of Nanotechnology Community of Research, part of a joint US NNI-EU Commission project that provides a platform for scientists to address environmental, health, and safety questions about nanomaterials by developing a shared repertoire of protocols and methods to overcome research gaps and barriers. Larry is also currently President of the Yuma-Pacific Southwest Local Section of AIHA.

**Breakout Session #1D - 9:15 AM - 10:15 AM**  
**Emergency Response to Hazardous Materials Incident**  
**Greg Zeigler, REHS**

Hazardous materials response is a discipline that is mastered through information management. The initial actions at an incident must be taken quickly but with careful consideration of how the chemical will behave under the release conditions which occur at the scene. Hazmat emergencies can involve a virtually infinite number of chemicals and chemical combinations, and occur under a wide variety of circumstances, from industrial facilities, to highway or railroad incidents, to illegal activities such as clandestine drug laboratories or illegal dumping. This presentation will cover most of the complexities of hazardous materials response from preparation to termination of an incident.

**Learning Objectives:**

- Hazardous Materials incident examples and associated tools used by today's Hazmat Teams
- The importance of businesses that handle or store hazardous materials to prepare and submit annual business emergency/contingency plans to the relevant governmental agencies
- The importance of businesses to train staff and practice emergency response procedures



**Greg Zeigler**

Greg Zeigler is a Hazardous Materials Specialist for the San Bernardino County Fire Department Hazardous Materials Division CUPA, currently acting as the lead over the Hazmat Emergency Response Team. He is a Registered Environmental Health Specialist with a Bachelor's of Science in Environmental Health & Safety with an Option of Industrial Hygiene from Cal State University Northridge. His employment experience includes

working as a Firefighter/EMT, a Radiation Safety Tech for University of California Los Angeles, and an Industrial Hygiene Tech for the University of Southern California. Greg lives in the San Bernardino mountains with his wife and 2 children, where they love to snow ski, camp, and play soccer and baseball together.

**Breakout Session #2A - 10:45 AM - 11:45 AM**  
**Occupational Risk Assessment: Strategies for OEL Development and Selection**  
**Dana Hollins, MPH, CIH**

**Learning Objectives:**

- Selecting the most appropriate OEL when multiple options are available
- Determining when it is appropriate to internally derive an OEL (a case study will highlight this methodology)
- Applying a scientifically rigorous and defensible methodology when internally deriving OELs, (a case study will highlight this methodology)



**Dana Hollins**

Ms. Dana Hollins is a board certified industrial hygienist with ten years of professional experience in human health risk assessment. Her primary training and areas of expertise include environmental and occupational epidemiology, exposure assessment, industrial hygiene and human health risk assessment. She has been involved in researching, measuring exposure, reconstructing dose and exposure, and assessing risk to consumers and workers exposed to a variety of chemicals including asbestos, diacetyl, beryllium, benzene, and phthalates. She also has experience in evaluating occupational hazards to airborne

chemicals in the workplace using historical industrial hygiene and exposure simulation data. Ms. Hollins' experience also includes investigating exposures and health effects resulting from non-occupational exposure to indoor air pollutants and she has completed her master's thesis in the field of environmental and occupational epidemiology, and statistics.

**Breakout Session #2B - 10:45 AM - 11:45 AM**  
**Moments of Safety Transformation - Creating Indelible Change**  
**Kelly Flynn, PH.D.**

To change culture, we must change the experience. Every time a leader engages an employee, they create an experience, and this experience, if approached in a transformational way, can become a Moment of Safety Transformation.

Employees will leave a Moment of Safety Transformation with (1) a deeper respect for the leader; (2) a clearer understanding of how they personally contributed to the situation and what they could have done to change it; (3) an understanding of what is expected moving forward; and (4) a shared vision about why the change they are being asked to make is important to them, the leader, and the organization.

**Learning Objectives:**

- What Moments of Safety Transformation (MOST) are, and how to identify them.
- How leader behaviors create an environment where a cultural attribute become real.
- How to use real world scenarios to create learning experiences for leaders to practice and prepare for a MOST.



**Kelly Flynn, PH.D.**  
**Principal Consultant**  
**DEKRA Insight**

Kelly helps clients to understand their current situation and to design and implement solutions to achieve their organizational and safety-specific objectives. She has worked with a wide range of government agencies and private sector clients in industries including aeronautics, aviation, chemicals, conventional utilities, distribution, glass, lumber and wood products, metals, nuclear utilities, and petroleum.

Kelly utilizes her expertise in organization development and change; managing resistance; quality; and team building and facilitation to design and implement employee-driven behavior-based safety processes (BAPP® technology), leadership development processes for supervisors and middle managers (the SafeAlign® system), behavior-based quality programs, and leadership observation and feedback processes. She also performs assessments of clients' organizational culture, safety climate, and enabling and sustaining systems using DEKRA Insight's Blueprint for Safety Transformation™.

Kelly has written articles on behavior-based quality, behavioral tools in leadership, team functioning, and making the most of conferences and workshops.

She is also a highly regarded presenter. Kelly has spoken at national and international industry conferences on topics such as management and organization development. She has also developed and presented courses and seminars at national and regional conferences.

Kelly holds a Ph.D. in Organization Development, an M.S. in Human Behavior, an M.S. in Curriculum Design and Instruction, and a B.A. in Psychology and Sociology.



**Breakout Session #2C - 10:45 AM - 11:45 AM**  
**Environmental Law Update**  
**Tina Stanczewski, Esq., MSP**

This presentation will examine the current environmental landscape, including proposed rules and recently implemented final rules, while discussing how things may progress in 2017 with changes to the administration. Changes to the Risk Management Rule, spurred by Executive Order (EO) 13650 which directed the federal government to prevent chemical accidents, would strive to modernize the EPA's chemical safety and security regulations. Stay of the Clean Power Plan rule by the Supreme Court is creating uncertainty in the energy sector while the stay of the Waters of the U.S. (WOTUS) rule by the 6th Circuit is leaving multiple industries with no guidance on what may change to the permitting structure. How the proposed and current rules may be significantly impacted by the views of the new administration and the layout of the Supreme Court will be discussed.

**Learning Objectives:**

- Impact of Proposed Rules including the Risk Management Rule
- Regulatory Outlook for 2017
- How changes in the administration may impact the environmental landscape

**Tina Stanczewski, Esq., MSP**

Tina Stanczewski is an attorney and safety professional focusing her practice on labor and employment law including occupational safety and health, mine safety and health, and environmental law. She has represented employers and contractors nationwide in OSHA, MSHA, EPA, and local Maryland administrative law matters for the past seven years. She has experience litigating cases before the Federal Mine Safety and Health Review Commission as well as the Maryland courts. She is a professional member of the American Society of Safety Engineers, Secretary of the Mining Practice Specialty (2014-2015), member of the Environmental Information Association, American Bar Association, and Maryland State Bar Association.

**Breakout Session #2D - 10:45 AM - 11:45 AM**  
**Surviving an Active Shooter Incident –**  
**Planning, Preparation, and Training for Employees and Employers**  
**Lt. Scott Doukakis & Brian Juckett, DBA**

This training will provide employees and employers with an overview of Active Shooter incidents and discuss their response to such incidents. It will review measures employees / employers should take within their working environment and what steps they can take to enhance their ability to survive an active shooter incident. It also provides employer / employees the ability to discuss their internal security at the workplace and opens communications as to possible safe rooms within the building.

**Learning Objectives:**

- This training will provide the attendee with an understanding of what an active shooter is and how law enforcement will respond to situations, allowing the attendee the ability to react to their response.
- After attending this presentation, the attendee will be able to return to the work environment and have some basic knowledge on what they can do to prepare themselves for an active shooter incident and identify possible safe locations.
- Employees and Employers will be able to both develop plans, improve security, and identify save locations in their place of employment, taking steps to address active shooter incidents.



**Brian Juckett**

Dr. Brian Juckett is currently a Sergeant with the Gardena Police Department in Gardena, California. Dr. Juckett received his doctorate degree in Business Administration / Criminal Justice from Northcentral University. Dr. Juckett has over 31 years experience in Law Enforcement and currently supervises a Crime Suppression Unit and the Special Weapons and Tactics Team.



**Scott Doukakis**

Scott Doukakis is currently a Lieutenant with the El Segundo Police Department in El Segundo, California. Lieutenant Doukakis received his Masters degree in Organizational Leadership from Chapman University. Lieutenant Doukakis has over 33 years experience in Law Enforcement and currently supervises the Detective Bureau and is the SWAT Team Commander.

Lieutenant Doukakis is a certified P.O.S.T. Active Shooter Instructor and part of an Active Shooter Instructor cadre who oversees Active Shooter training for all South Bay police agencies.

## **Breakout Session #3A - 1:30 PM - 2:30 PM**

### **Enhancing Industrial Hygiene Practice through Worker Participation**

**Rania Sabty-Daily, PhD, MPH, REHS**

Worker engagement and participation is a process that can be utilized as part of an industrial hygienist's strategy to identify, evaluate and control occupational hazards. This participatory process has additional benefits in providing workers and worker representatives opportunity to improve workplace health and safety conditions and contributing to policy setting. Case studies from different industries will be presented to illustrate how collaborating with workers and worker representatives can lead to an industrial hygiene practice that is relevant, meaningful, and effective at addressing health and safety concerns in workplace settings. Principles of adult education that can enhance worker learning when conducting health and safety training will be presented. This session will include an activity in which participants will apply learned concepts to develop an action plan that incorporates worker participation in their practice of recognition, evaluation and control of workplace hazards, and that enhances learning in health and safety training sessions.

#### **Learning Objectives:**

- Explain the benefits of worker participation in recognizing, evaluating and controlling occupational hazards
- Explain principles of adult education as a tool to enhance worker learning in health and safety trainings
- Develop an action plan to enhance worker participation in industrial hygiene and trainings, in your organization



#### **Dr. Rania Sabty-Daily**

She is currently the Environmental Health and Safety Specialist at the UCLA Labor Occupational Safety and Health (LOSH) program and serves as technical consultant on a variety of educational projects. These projects involve collaboration with community partners including worker centers, labor unions, environmental justice organizations and academic institutions on initiatives such as ones related to Refinery safety, Exide community clean up and safety, Construction safety, Health and Safety in the Entertainment Industry and, Hazardous Materials handling. In addition, Dr. Sabty-Daily currently holds part-time teaching appointments at two universities, California State University Northridge (CSUN) and Trident University International, where she develops curricula and provides instruction at undergraduate and graduate levels, in environmental and occupational health. Her research experience is based in workplace, laboratory and community settings. Her previous projects include assessing aerosol particle size distribution and potential worker exposure to chromate containing paint in the aerospace industry, using a community-based participatory approach to identify and mitigate environmental hazards to children in a largely Latino low-income public housing community, and using a community-based participatory approach to assessing and mitigating near-roadway air pollutants at an elementary school. Her current research involvement is in the context of labor partnerships established at UCLA-LOSH and focuses on the use of a community based participatory approach to assessing the needs of day laborers in the construction industry for developing a mobile application on Heat Illnesses.

**Breakout Session #3B - 1:30 PM - 2:30 PM**  
**Safety Issues Related to Unmanned Aerial Vehicles**  
**Thomas Smith, MPH, CIH**

In this session we will discuss the ethical dilemmas that we must face when dealing with emerging technologies. In particular, this session will focus on the use of Unmanned Aerial Vehicles (UAVs or “drones”) in the course of doing business and how to do so safely. We will explore the FAA requirements and how you can meet them. We will examine several case studies of their use and the consequences of when UAVs were used inappropriately.

**Learning Objectives:**

- Ethics related to emerging technologies, such as Unmanned Aerial Vehicles (UAVs)
- Safety and health considerations for use of UAVs
- Questions and answers relating to UAV use



**Thomas Smith**

Thomas Smith is a Sr. Safety, Health and Environmental manager with the Church of Jesus Christ of Latter-day Saints. He has worked there for 9 years with primary responsibility for the safety issues related to film/video production and live events. Prior to his time with the LDS Church he worked as a Safety manager/Risk manager for Kings County in Central California for 6 years, where he coordinated safety/IH initiatives for the 21 departments. He has been in charge of safety, health and environmental of a large manufacturing facility in Fresno, CA and also been employed as an IH consultant also based out of Fresno. He received a B.S. in 1996 from Utah State University in Public Health, IH emphasis and a MPH from Fresno State in 2005 with an emphasis in Environmental and Occupational Health. In 2015 he obtained his CIH.

**Breakout Session #3C - 1:30 PM - 2:30 PM**  
**Environmental Challenges: Soybean, Corn & Factory Farming**  
**Herbert Bell, MS, CSP, CHMM**

This session is designed to educate environmental, health and safety professionals on the various types of factory farming; which include plants and animals. The EPA's definition of AFOs (Animal Feeding Operations) is synonymous with the term Factory Farming. The ability to evaluate environmental risks associated with food manufacturing is critical to understanding these environmental impacts. This session will cover the correlation between feed, confinement, antibiotics/hormones, waste management, water quality and air emissions on the environment. Agriculture has changed dramatically, especially since the end of World War II. Food and fiber productivity soared due to new technologies, mechanization, increased chemical use, specialization and government policies that favored maximizing production. These changes allowed fewer farmers with reduced labor demands to produce the majority of the food and fiber in the U.S.

Although these changes have had many positive effects and reduced many risks in farming, there have also been significant costs. Prominent among these are topsoil depletion, groundwater contamination, the decline of family farms, continued neglect of the living and working conditions for farm laborers, increasing costs of production, and the disintegration of economic and social conditions in rural communities.

A growing movement has emerged during the past two decades to question the role of the agricultural establishment in promoting practices that contribute to these social problems. Today this movement for sustainable agriculture is garnering increasing support and acceptance within mainstream agriculture. Not only does sustainable agriculture address many environmental and social concerns, but it offers innovative and economically viable opportunities for growers, laborers, consumers, policymakers and many others in the entire food system.

**Learning Objectives:**

- To compare and contrast characteristics of factory and family farms.
- To discuss Environmental Impacts of corn, soybean and factory farming.
- To identify types and dangers of emissions from factory farms.



**Herbert L.G. Bell**

**President/CEO, Invictus Environmental Safety Solutions, Inc.**

Herbert Bell has worked to protect people property and the environment for twenty-three years. He has been a member of ASSE since 1995 and he has held various safety positions in consulting and general industry. He is Past President, President-Elect and Delegate for the Orange County Chapter of ASSE. His current focus is consulting for public and private entities in Environmental Health Safety and Sustainability.

**Education:**

- M.Sc. – Environmental Studies, California State University-Fullerton
- B.S. – Biology, University of North Carolina at Wilmington
- B.A. – Chemistry, University of North Carolina at Wilmington



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

### **Role of the Safety Officer in the Incident Command System Robert Kestenbaum, MS**

During an incident response, whether it is short term or prolonged, the role of a Safety Officer is vital to ensure that protective measures and safety plans are in place to protect the responders. This session will provide a summary of the responsibilities of the site safety officer in the field and the safety officer in the command post.

#### **Learning Objectives:**

- Complete an ICS 201-5
- Understand the Planning Process
- Perform the roles of Safety Officer within the Planning Process



#### **Robert L. Kestenbaum**

Robert L. Kestenbaum is a Safety and Environmental professional with over 20 years' experience in regulatory compliance, oil and gas, and contingency planning. He holds a Master's of Science in Occupational Health and Safety from Columbia Southern University, and a Bachelor's of Science in Business Management from the University of Phoenix. Mr. Kestenbaum is a veteran of the United States Army and the United States Navy, where he excelled in the hazardous materials field. In his present position at Tesoro Corporation, he serves on the Incident Management Team in the capacities of Incident Commander, Planning Section Chief, and Safety Officer. Mr. Kestenbaum is a member of ASSE and NFPA.

**Breakout Session #4A - 3:00 PM - 4:00 PM**  
**Unmanned Systems in EHS Sampling**  
**Ron McMahan**

We will demonstrate a “SmartVest” idea that will allow you to sample multiple items at once...This real time data will be displayed on a handheld LCD while simultaneously being transmitted via (WiFi/Cellular) through a secure cloud to your companies password protected private portal. This will allow anyone in your organization anywhere in the world (with digital rights) the ability to access this data from any connected device!

**Learning Objectives:**

- Demonstrate to audience the (3 core) technology advancements in I.H. sampling.
- Wireless interfaces/web based bi-direction data exchange.
- Show advanced sensor networks with integrated autonomous software.

**Ron McMahan**

As Captain, President or in a leadership position on most every team or organization I have ever been a part of. I believe my Leadership ability is innate. I attribute my ability to lead successfully to 2 very simple guidelines:

1) Never ask anyone to do anything that you are not willing to do yourself.

2) Lead by example, words are easily delivered, actions prove your conviction to your team.

Currently V.P. of Sales and Operations at SGS Galson/Accutest Labs.

**Breakout Session #4B - 3:00 PM - 4:00 PM**  
**Best Communication Practices in Safety,  
Environmental and Industrial Hygiene**  
**Jeremy B. Teitelbaum**

Communication breakdowns and errors cost organizations billions of dollars each year and can lead to catastrophic losses that extend beyond money. Most safety related professionals work and communicate with diverse people with different styles of interaction. This workshop will help participants to identify communication differences and to communicate or present information in a way that makes sure all stakeholders are on the same page.

**Learning Objectives:**

- How to avoid communication breakdowns/errors leading to workplace catastrophes.
- How to communicate with diverse people, from diverse cultures and backgrounds.
- How to effectively organize and present important information to groups of people.



**JEREMY B. TEITELBAUM**

Jeremy Teitelbaum is a lecturer in Communication Studies at Cal Poly, San Luis Obispo. He has been teaching communication for nearly 20 years. He is the author of the book *Communication Strategies for Professionals* published by Kendall Hunt.

**Breakout Session #4C - 3:00 PM - 4:00 PM**  
**Industrial Storm Water Management: Lessons**  
**Learned and the Battle Ahead for Discharges**  
**Matthew Q. Lentz, REM, CPESC, CPSW**

With the first full year of the new Industrial General Permit (IGP) officially complete, this presentation will focus on the most challenging aspects of compliance with the IGP. Many dischargers have exceeded numeric action levels (NALs) and officially entered the "Exceedance Response Action (ERA) Level 1 process," which requires identifying pollutant sources and developing new BMPs/actions to achieve extremely low NALs, or in some cases developing a technical case to show that there are other contributing sources. New permit terms are also being added to implement Total Maximum Daily Loads in many watersheds. The presentation will provide insight into the ERA process and the various strategies dischargers are evaluating/ implementing to meet IGP requirements, including an analysis of "real world" storm water treatment system results for industry in California. There will also be discussion on the regulatory enforcement across the state and an update on third-party enforcement and typical claims made under the new Permit.

**Learning Objectives:**

- Provide attendee relevant information that can be used to formulate and advance their knowledge base with respect to industrial storm water management and NPDES permit compliance
- Provide attendees better understanding of the ERA process and the expectations from the RWQCBs and SWRCB
- Provide attendee with a forum to ask questions and gain a better understanding of challenges facing industry.



**Matthew Lentz**

A significant portion of Mr. Lentz' practice has involved assisting hundreds of industrial, municipal and construction clients comply with NPDES stormwater regulations and development of their compliance programs. He has assisted more than 400 industrial clients comply with various aspects of NPDES permit compliance including evaluation and recommendation of Best Management Practices (BMPs), development and review of compliance documents, analytical data evaluations, review and comment on new regulations/ permits, and regulatory agency interaction and

support. He has provided support to industrial dischargers faced with third-party enforcement actions related to alleged Clean Water Act noncompliance and is co-chair of the Industrial Stormwater Subcommittee for the California Stormwater Quality Association (CASQA). He was also selected by the SWRCB to assist with development of the Qualified Industrial Stormwater Practitioner (QISP) training program.

**Breakout Session #4D - 3:00 PM - 4:00 PM**  
**Crisis as Risk: Demystifying Emergency Management and Business Continuity for the EHS Professional**  
**Christopher Gaylord, CSP**

Emergency management and business continuity are often seen as different fields than the traditional environmental health and safety arena. However, many of the same underlying risk management concepts are used in the emergency management and business continuity world. This presentation will seek to demystify these programs and show how they both relate to environmental health and safety and complement these programs.

**Learning Objectives:**

- Integrate crisis planning into your risk management process.
- Be able to integrate business continuity planning into loss control activities.
- Apply best practices that integrate risk management, emergency planning & BCP.



**Chris Gaylord**

Chris Gaylord began his career in environmental health and safety before transitioning to emergency management and business continuity in 2007. He served as the first full-time campus emergency manager at UC Santa Cruz and was responsible for implementing the business continuity planning program there. He currently manages business continuity for the Jet Propulsion Laboratory in Pasadena.

Chris holds several professional designations including Certified Emergency Manager, Certified Business Continuity Professional, Certified Safety Professional and Associate in Risk Management. He received his B.S. in Safety and Health from USC in 1997 and his M.S. in Emergency Services Administration from CSU Long Beach in 2013. He is a past president of the Orange County Chapter ASSE.