# 25<sup>th</sup> Annual CIHC Conference





December 7 – 9, 2015
Hilton San Francisco Union Square
San Francisco, CA

Years

1990-2015

California Industrial Hygiene Council

## 2015 CIHC Conference Program Overview

"Challenges for EHS Practice in Today's Environment"

#### **MONDAY DECEMBER 7, 2015**

<u>TIME</u>	<u>ACTIVITY</u>	LOCATION
7:00-8:00 a.m.	Registration & Continental Breakfast	Plaza Room A
8:00 a.m.	Conference Opening	Plaza Room B
8:05 a.m.	Morning Session "Regulatory Updates for EHS"	Plaza Room B
10:00 a.m.	Exhibitor Demonstration and Exhibits	Plaza Room A
10:30 am	Morning Session (Cont.) "Regulatory Updates for EHS"	Plaza Room B
Noon-1:30 p.m.	KEYNOTE LUNCHEON – DR. JOHN HOWARD, DIRECTOR, NIOSH	Plaza Room B
1:30 p.m.	Afternoon Session "Non-Traditional IH & Professional	Plaza Room B
	Licensure/Certification"	
3:05 p.m.	Exhibitor Demonstration and Exhibits	Plaza Room A
3:20 p.m.	Afternoon Session (Cont.) "Non-Traditional IH & Professional	Plaza Room B
	Licensure/Certification"	
5:15 p.m.	Conference Day One Adjourns	
5:30-7:00 p.m.	CIHC Evening Social Event	Plaza Room A
	TUESDAY, DECEMBER 8, 2015	

7:00-8:00 a.m.	Registration & Continental Breakfast	Plaza Room A
8:00 a.m.	Morning Session "Total Worker Health and Cross-Over EHS"	Plaza Room B
10:00 a.m.	Exhibitor Demonstration and Exhibits	Plaza Room A
10:30 a.m.	Morning Session (Cont.) "Total Worker Health and Cross-Over EHS"	Plaza Room B
Noon-1:30 p.m.	Lunch on your own	
1:30 p.m.	Afternoon Session "Perspectives of the Gen Y Hygienist"	Plaza Room B
3:00 p.m.	Exhibitor Demonstration and Exhibits	Plaza Room A
3:30 p.m.	Afternoon Session (Cont.) "Perspectives of the Gen Y Hygienist"	Plaza Room B
5:00 p.m.	Conference Day Two Adjourns	

#### WEDNESDAY, DECEMBER 9, 2015

7:00-8:00 a.m.	Registration & Continental Breakfast	Plaza Room A
8:00 a.m.	Morning Session "Evaluating Worker Exposures—The Future is Arriving"	Plaza Room B
9:55 a.m.	Break	Plaza Room A
10:10 a.m.	Morning Session (Cont.) "Evaluating Worker Exposures—	Plaza Room B
	The Future is Arriving"	
Noon-1:15 p.m.	Lunch on your own	
1:15 p.m.	Afternoon Session "Ethics for IH Practice"	Plaza Room B
4:20 p.m.	Conference Closing	Plaza Room B
4:30 p.m.	Conference Adjourns	

Note: For the detailed speaker agenda, please see the tab for each day



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November 18, 2015

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Samantha Chua, MS, CIH GenMark Diagnostics San Diego, CA

Howard Spielman, PE, CIH, CSP, REHS Health Science Associates Los Alamitos, CA

Michael Sullivan, PhD, CIH, REA California State University, Northridge Northridge, CA

#### Alternates:

Ann Graham, CIH U.S. Navy San Diego, CA

Jaime Steadman-Lyde, CIH Health Science Associates Los Alamitos, CA

James L. Unmack, PE, CIH, CSP Unmack Corporation San Pedro, CA

#### Special Advisors:

Patricia Beach, MS, CIH Harris & Lee Environmental Sciences, LLC San Francisco, CA

Larry Gibbs, MEd, MPH, CIH Stanford University Palo Alto, CA

Deb Martin, MS, CIH Ernst & Young San Francisco, CA

Vicki Wells, MS, CIH, CSP Director, Occupational Safety & Health San Francisco Department of Health San Francisco. CA

#### Sacramento Advocacy

Catherine Barankin CIHC Legislative Office Sacramento, CA

#### **Dear Colleagues:**

On behalf of the California Industrial Hygiene Council Board, I welcome you to the 25th annual conference of the CIHC. The Council represents California's five AIHA Local Sections in the Sacramento State Capitol and beyond, with a very clear mission:

- Promote the Industrial Hygiene profession in California.
- Increase recognition of Industrial Hygiene in legislative and regulatory actions.
- Promote and provide sound scientific and technologic input for the legislative and regulatory processes.

Twenty five years ago, a group of industrial hygienists met in Sacramento to talk about the state of the profession, learn about the legislative process, and how to influence it. They affixed buttons to their clothes with the phrase "What is an industrial hygienist?" and spent the day walking the Capitol corridors educating legislators and their staff about the profession. The results of these initial efforts ultimately led to Certified Industrial Hygienist (CIH) title protection, definition of industrial hygiene in the Business and Professions code, and additional regulatory and legislative recognition of the important role industrial hygienists play in the anticipation, recognition, evaluation, and control of hazards in the workplace and environment.

However, our work is not done. As new laws and regulations are proposed, it is important for industrial hygienists to continue to be active in the process and ensure our contributions continue to be recognized. The need to educate legislators and their staff about "What is an industrial hygienist?" is no less important today than it was 25 years ago.

The CIHC is here for you! If you have any issues that you think can benefit from CIHC action, please contact a CIHC Board member.

Sincerely,

Edward J. Klinenberg, Ph.D., MBA, MS, CIH President, California Industrial Hygiene Council

Edward MM

## Overview of CIHC

#### **Purpose**

- Establish a legislative presence in the State Capitol through professional representation
- Keep the industrial hygiene profession intact by opposing any further erosion or limitation of practice by legislation or regulation
- Seek recognition in statutes defining, recognizing, and protecting the profession of industrial hygiene
- Provide sound scientific and technological input to the legislative and regulatory process

#### Legislative Services

- CIHC contracts with Sacramento Advocacy to provide legislative support
- Professional legislative support is essential especially during the current state economic climate where many health and safety programs are or have been considered for elimination or modification
- CIHC Directors, representing five local American Industrial Hygiene Associations (AIHA), volunteer their time to support CIHC activities

#### **Activities**

- Review and monitor legislation (this past year, the CIHC Board screened 350 bills and actively monitored 40 bills which may impact the industrial hygiene profession)
- Sponsor legislation
- Review regulations
- Sponsor the annual CIHC Conference
- Coordinate with AIHA National Governmental Affairs

#### **Major Accomplishments**

- Defined Industrial Hygienist in State Law (H&S Code 117672)
- Initiated and sponsored the Industrial Hygienist Definition and Registration Act (B&P Code Sections 20700-20705)
- Established a legislative presence in Sacramento
- Negotiated by reducing the number of days for lead training course for CIHs to three days
- Negotiated the exemption for Trauma Scene Waste Management Practitioner requirement
- Monitored rewrite of the Professional Engineers Act
- Sponsored laboratory accreditation legislation
- Sponsored successful legislation to allow a CIH or other qualified professional to provide lead poisoning prevention services
- Garnered strategic legislative amendments to the Toxic Mold Protection Act of 2001 assuring the participation of IH's in developing standards to identify, evaluate, and abate mold
- Provided comments to a wide range of regulations: heat illness prevention, green chemistry, lead in construction and general industry, globally harmonized hazard communication systems, housekeeping in hotel and hospitality facilities, and building standards

#### **Annual CIHC Conference**

- Provides a statewide forum to discuss issues of concern to the industrial hygiene profession
- Provides educational opportunities for industrial hygienists and allied professionals
- Strengthens ties and establish alliance among the occupational health and safety professionals
- Provides an opportunity to consult, network, collaborate among industrial hygienists and other professionals
- Raises funds to support the CIHC organization by continuing services provided by Sacramento Advocacy



## 2015 CIHC Board Roster

#### **Northern CA Section Directors**

Stephen Derman, FAIHA

MediSHARE Environmental Health &

Safety Services

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neers

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Howard Spielman, CIH, PE, CSP,

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Pamela Murcell, CIH

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## TELL US HOW WE ARE DOING!

## CONFERENCE EVALUATIONS

Session evaluations are available online via your computer or mobile device at: https://www.surveymonkey.com/r/CIHC2015

Also available at QR code:



## Welcome from Conference Co-Chairs

#### Welcome to the 25th Annual CIHC Conference!

It is our pleasure to co-chair the 25th Annual California Industrial Hygiene Conference in San Francisco, and to welcome our colleagues in the California environmental, health and safety community, including scientists, regulators and industry representatives. We hope you will enjoy this opportunity to meet and connect with *your* friends and colleagues from around California and elsewhere to discuss the ever-changing landscape of our field and learn about best practices, while fulfilling your personal goals for attending this year's milestone conference.

We know that the success of the conference ultimately depends on the many people who have worked with us in planning and organizing both the technical program and supporting social arrangements. In particular, we would like to thank the Session Arrangers for their diligence and well-placed suggestions on organizing the technical program; the Conference Committee for their hard work on planning and organizing the many logistical details, and our Sponsors who help us keep the "price of admission" reasonable for all conference participants.

In keeping with the "Challenges for EHS Practice in Today's Environment" conference theme this year, we are moving ever closer to a paperless conference as our Gen Y members encourage us to be more electronic. Attendees can access presentations and materials via the CIHC website to reduce paper use, and we will have only electronic evaluations this year.

If you are collecting hours or points for your CIH or CSP professional certifications, be sure to sign in at the registration table when you pick up your badge and program materials. If you are collecting hours for the REHS professional certification, be sure to sign in at the registration table each day so that your attendance certificate reflects all days attended.

Please feel free to connect with us, any of the CIHC Board members, or the conference volunteers if you have any questions about the program. We value your input on this year's conference, and use our attendees' comments for improvements in the future. Please take a few minutes to complete a conference evaluation. Conference and individual session evaluations are available online at: https://www.surveymonkey.com/s/CIHC2015

We hope you enjoy this educational opportunity designed especially for you! Thank you for being here as we celebrate 25 terrific years of support for the California IH Community!



Pamela Murcell
Conference Co-Chair
Sacramento Valley
Local AIHA Section



Joel Cohen
Conference Co-Chair
Northern California
Local AIHA Section



Megan Canright
Conference Co-Chair
San Diego
Local AIHA Section

## 25th Annual CIHC Conference Committee

The CIHC Board would like to express its sincere appreciation to those wo have donated their time and skill to making this conference a success. While the following list does not reflect all the resources tapped to make things work, it does reflect those who did much of the heavy lifting early on. Our many thanks to all!

Committee Member	Role
Pamela Murcell, Sacramento Valley Section	Conference Co-Chair (program)
Joel Cohen, Northern California Section	Conference Co-Chair (hotel & event logistics)
Megan Canright, San Diego Section	Conference Co-Chair (logistics & sponsorship)
Deneen Barsi	Registration
Michael Sullivan, Southern California Section	Registration (on-site)
John Parente, Sacramento Valley Section	Registration (on-site)
Samantha Chua, San Diego Section	Communications, Web Site Support
Ed Klinenberg, Sacramento Valley Section	Communications, Web Site Support
Touti Phommachakr	Web Site Support
Megan Canright, San Diego Section	Exhibitors/Sponsors
Jaime Steedman-Lyde, Southern California Section	Exhibitors/Sponsors
Dan Felperin, Northern California Section	Exhibitors/Sponsors
Jim Unmack, Orange County Section	Audio/Projection
Steve Derman, Northern California Section	Audio/Projection
Samantha Chua, San Diego Section	Conference Program Materials
Megan Canright, San Diego Section	Conference Program Materials
Pamela Murcell, Sacramento Valley Section	Conference Program Materials
Joel Cohen, Northern California Section	Conference Social Event
Steve Derman, Northern California Section	ABIH/BCSP/REHS contact hours
Joel Cohen, Northern California Section	Arrangement for donation to AIHF on behalf of Speakers
Chris Laszcz-Davis, Northern California Section	Session Arranger
Joel Berman, Orange County Section Joel Cohen, Northern California Section	Session Co-Arrangers
Susan Rosenberg, Orange County Section	
Robert Bacci, Northern California Section	Session Arranger
Megan Canright, San Diego Section	Session Co-Arrangers
Will Cyrs, Northern Cal Section	
Steve Derman, Northern California Section	Session Arranger
Dennis Robinson, Northern California Section	Session Co-Arrangers
Pamela Murcell, Sacramento Valley Section	

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Donna Heidel, MS, CIH, FAIHA
Presenting on:
Evaluating Worker Exposures –
The Future Is Arriving

Wed. Dec. 9th 11:00 AM



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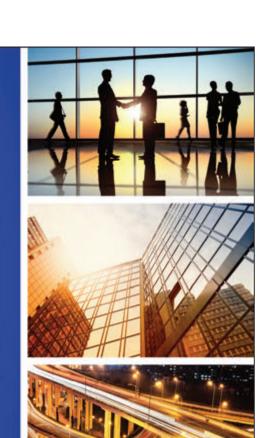
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Also available at QR code:



## Notes of Interest

#### **Handout Materials**

Conference attendee binder and speaker presentations and materials were made available to the 2015 CIHC Conference attendees in advance. These files are available on the CIHC website at:

https://www.cihconline.com/presentations2015.html

Username: Conf2015 Password: Sanfran201\$

Additional materials may be added and all materials will be available following the conference for your convenience.

**Attendance Certificates** 

Personalized certificates will be emailed following the conference to each attendee before December 15, 2015. Contact CIHC at cihconline@gmail.com, if you don't receive your attendance certificate.

#### Internet Access

The Hilton Union Square San Francisco offers complimentary WiFi access in the Lobby for all guests and internet access at the following rates. Inquire at the front desk.

Basic Internet: \$12.95/dayPremium Internet: \$16.95/day



tweet up at:

#CIHC2015

#### **CIHC 2015**

#### **Conference Evaluations**

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## 2015 CIHC CONFERENCE

#### "CHALLENGES FOR EHS PRACTICE IN TODAY'S ENVIRONMENT"

## Monday, December 7, 2015

Morning Session Theme - "Regulatory Updates for EHS"

5:30-7:00 p.m. CIHC Evening Social at the Hilton Union Square

	Morning Session Theme - "Regulatory Updates for EHS"
7:00-8:00 a.m.	Registration & Continental Breakfast
8:00 a.m.	Welcome — Pamela Murcell, MS, CIH, Conference Co-Chair, CIHC Board, Vice President, KWA Safety & HazMat Consultants, Inc.
8:05 a.m.	Welcome — Chris Laszcz-Davis, MS, CIH, FAIHA Fellow, REPA, CIHC Board, The Environmental Quality Organization, LLC
8:10 a.m.	CIHC Update — Ed Klinenberg, PhD, CIH, CIHC Board President, Northrop Grumman
8:20 a.m.	California Legislative Opportunities and Challenges — Catherine Barankin, Executive Director, Sacramento Advocacy
8:35 a.m.	Federal Legislative and Regulatory Update — Aaron Trippler, Director, Governmental Affairs, National AIHA
9:10 a.m.	Key California EHS Issues — Karen J. Nardi, Esq, Partner, Arnold Porter LLP
10:00 a.m.	Exhibitor Demonstration and Exhibits
10:30 a.m.	What's Next-Drivers and Trends Shaping a Future that Won't Resemble the Past — Mary O'Hara-Devereaux, PhD, Founder and CEO, Global Foresight
11:10 a.m.	California Department of Public Health Update — Barbara Materna, PhD, CIH, Chief, Occupational Health Branch, CA Dept. of Public Health
Noon-1:30 p.m.	KEYNOTE LUNCHEON – JOHN HOWARD, MD, MPH, JD, LLM, DIRECTOR, NIOSH
	Afternoon Session Theme - "Non-Traditional IH & Professional Licensure/Certification"
1:30 p.m.	Welcome — Joel Berman, CIH, CSP, CAC, CIAQM, CDPH Lead Sampling Technician, CIHC Board, Health Science Associates, and Susan Browne Rosenberg, CIH, CHMM, CIEC, Desert Cities Indoor Air, LLC
1:35 p.m.	CIHC Professional Legislative Challenges — Catherine Barankin, Executive Director, Sacramento Advocacy and Howard Spielman, PE, CIH, CSP, REHS, CAC, CIHC Board, President, Health Science Associates
2:00 p.m.	Issue Overview - Titles for Purchase — Susan Browne Rosenberg, CIH, CHMM, CIEC, President, Desert Cities Indoor Air, LLC
2:25 p.m.	Radon Inspection Certification in CA — Gustavo Delgado, PhD, CEO, Forensic Analytical Laboratories, Inc.
3:05 p.m.	Exhibitor Demonstration and Exhibits
3:20 p.m.	Lead Certifications — Kathy Jones, CIH, CAC, CIAQM and CDPH Lead Inspector, Assessor & Project Designer, Vice President, Health Science Associates
4:00 p.m.	Mold Licensure: What Has Occurred in Other States (The Good, The Bad and Mostly Ugly) — Joel Berman, CIH, CSP, CAC, CIAQM, CDPH Lead Sampling Technician, CIHC Board, Vice President, Health Science Associates
5:15 p.m.	Conference Day One Adjourns

San Francisco, California

December 7-9, 2015

# California Industrial Hygiene Council Update



## Edward Klinenberg, PhD, CIH

Senior EHS Representative Northrop Grumman Information Systems

Dr. Ed Klinenberg is the current President of the California Industrial Hygiene Council. He is a Board Certified Industrial Hygienist with over 25 years of experience in industrial hygiene, EHS Management, emergency response, and ergonomics including a variety of technical and management positions with the United States Air Force, Lawrence Livermore National Laboratory, and Northrop Grumman Systems Corporation. Dr. Klinenberg holds a Doctor of Philosophy degree in Environmental Health Sciences, specializing in ergonomics, from the University of California, Berkeley, a Master of Science degree in Biomedical Engineering from Northwestern University, and a Master of Business Administration degree from Columbia Southern University.



of workers and the community.

San Francisco, California

December 7-9, 2015

# California Legislative Opportunities and Challenges



#### **Catherine Barankin**

Executive Director Sacramento Advocacy

Catherine has been a professional advocate for over thirty-six years, and established the lobbying firm Sacramento Advocacy in 1977. She has received numerous awards for her advocacy work and is a frequent guest speaker at conferences and public policy workshops. She has also been a columnist for the Sacramento Bee.

In addition to representing the interests of the California Industrial Hygiene Council before the Legislature and state agencies, Catherine also conducts advocacy trainings, and along with her husband, Dr. Joseph Barankin, is the author of "The Advocacy Handbook".

Ms. Barankin's background prior to lobbying included serving as the Director of Public Relations for Southern California College, Assistant Editor of Forum 50 magazine and television news reporting for Channel 50 in Southern California. While attending college, Catherine majored in speech and communications and was awarded the Bell Scroggins Award as the "Most Outstanding Woman Debater in the Nation". She was selected as the commencement speaker and was the recipient of the Alumni Hall of Fame award from her college for her outstanding legislative accomplishments. Catherine's volunteer activities include membership on the YMCA of Superior California Board of Directors and on the YMCA Youth and Government Board. She also was a founding board member of the Sacramento Court Appointed Special Advocates (CASA), a program which represents dependent children in the juvenile court system.



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## Federal Legislative and Regulatory Update



## **Aaron Trippler**

Director of Government Affairs American Industrial Hygiene Association

Aaron Trippler is Director of Government Affairs for the American Industrial Hygiene Association (AIHA). Mr. Trippler directs government affairs for more than 70 local sections and is chief liaison with Congress and federal agencies. He has served in this capacity since 1992, when he developed the AIHA government affairs program.

In directing federal affairs, Aaron is responsible for following all federal legislation and regulations, as well as drafting AIHA Congressional testimony and working with numerous federal agencies on the public policy issues of AIHA. Aaron was listed on the 2012 ISHN "Power 101" list, depicting the top movers and shakers in the health and safety industry.

Aaron also directs state government affairs for AIHA, annually reviewing more than 10,000 pieces of state legislation and regulations affecting the profession of industrial hygiene and testifying when needed.

Aaron has 35+ years in federal and state government affairs and has developed government affairs programs for three national associations. He holds a BS degree in Business Administration.



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## Key California EHS Issues



Karen J. Nardi, Esq

Partner
Arnold Porter, LLP

Karen Nardi is a Partner in Arnold & Porter's San Francisco office, where she is a member of the Environmental Practice Group. She counsels clients on environmental regulations and represents them in enforcement actions. She also works with companies to manage liabilities in business transactions.

Ms. Nardi dedicates a significant part of her practice to OSHA issues and industrial safety. She counsels clients on compliance with safety laws and helps them resolve OSHA citations. She also helps clients investigate serious injury accidents and manage the resulting enforcement and third party claims. She has assisted a number of clients in coordinating emergency response, notification, and internal investigations in connection with serious fires, explosions, and fatality accidents. She has experience with audits involving industrial process safety and emergency response.

A poll published by GC California magazine in December 2008 named Ms. Nardi the top environmental compliance attorney in California. She has also been included in the Super Lawyers list of Northern California's top attorneys eleven years in a row. In the 2012 edition of Chambers, she was praised as a go-to expert for compliance and enforcement issues, and clients noted that she "knows practical solutions because of her superb experience."

Ms. Nardi holds a Master's degree in Public Policy from the Goldman School at UC Berkeley. She has been a legislative analyst for the California State Assembly and an intern at the Congressional Budget Office in Washington, DC. She is co-author of several books, including the Environmental Law Handbook and Brownfields Law and Practice.



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# What's Next- Drivers and Trends Shaping a Future that Won't Resemble the Past



## Mary O'Hara-Devereaux, PhD

Founder and CEO Global Foresight

Dr. Mary O'Hara-Devereaux is one of the world's leading futurists. A legendary trend-spotter and steady-eyed business forecaster, over the last 25 years she has established a global reputation for helping thousands of leaders and senior executives worldwide scan, scout, and steer their way to targets no one else can see.

The author of the best-selling Navigating the Badlands: Thriving in the Decade of Radical Transformation and China Five-Year Forecast: Creating the New Marketplace, Mary correctly forecast the dramatic upheavals now taking place in the business and social landscape.

Now—in profound, provocative, pragmatic dispatches from the frontlines of the future—she uses her deep cross-industry, cross-cultural expertise to deconstruct the economic and social fault lines that are shaping a turbulent new phase of global transformation.

Mary has consulted with clients ranging from Fortune 100 companies like Procter & Gamble, Intel, and Coca-Cola to Chinese giants such as CITIC-Pacific and preeminent non-profits like the Robert Wood Johnson Foundation and the University of California.

She is a top-rated keynote speaker for organizations ranging from Apple, Inc., Levi Strauss & Co., Oracle, Merck, and China Merchant Bank to the Milken Global Institute, Harvard's John F. Kennedy School of Government, and the National Council on Aging.

Mary is founder and CEO of Global Foresight, a think tank and strategy consulting firm in San Francisco. She served as a senior director at Silicon Valley's Institute for the Future, a spin-off of the Rand Corporation. Recently she was a professor at Peking University, with previous faculty positions at the University of California and the University of Hawaii. She serves on a number of company and non-profit boards and chairs a CEO Group in San Francisco.

Mary appears on Bloomberg TV; Fox Television; CCTV in China; National Public Radio; and in the Asian Wall Street Journal, the Los Angeles Times, and other prominent publications.



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# California Department of Public Health Update



## Barbara Materna, PhD, CIH

Chief
Occupational Health Branch

Barbara Materna, PhD, CIH, is the Chief of the Occupational Health Branch, in the California Department of Public Health. Dr. Materna is a Certified Industrial Hygienist with over 30 years of occupational health experience working for the most part in state and local government public health programs. She holds a Ph.D. in Environmental Health Sciences from UC Berkeley, M.S. in Environmental Health Sciences from Hunter College, City University of New York, and B.S. in Chemistry from the University of Rochester. Her work has focused on diverse topics including occupational lead poisoning prevention, wildland firefighter exposures, injuries among refuse collectors, lung disease related to flavoring chemicals, and the use of respiratory protection for prevention of aerosol transmissible diseases.



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## Keynote Luncheon Speaker



## John Howard, MD, MPH, JD, LLM

Director NIOSH

John Howard is the Director of the National Institute for Occupational Safety and Health in the U.S. Department of Health and Human Services. Dr. Howard also serves as the Administrator of the World Trade Center Health Program in the U.S. Department of Health and Human Services. Dr. Howard was first appointed NIOSH Director in 2002 during the George W. Bush Administration and served in that position until 2008. In 2008 and 2009, Dr. Howard worked as a consultant with the U.S. Government's Afghanistan Health Initiative. In September of 2009, Dr. Howard was again appointed NIOSH Director in the Barak Obama Administration.

Prior to his appointments as NIOSH Director, Dr. Howard served as Chief of the Division of Occupational Safety and Health in the State of California's Labor and Workforce Development Agency from 1991 through 2002.

Dr. Howard received a Doctor of Medicine degree from Loyola University of Chicago, a Master of Public Health degree from the Harvard School of Public Health, a Doctor of Law degree from the University of California at Los Angeles, and a Master of Law degree in Administrative Law and Economic Regulation from The George Washington University in Washington, D.C.

Dr. Howard is board-certified in internal medicine and occupational medicine. He is admitted to the practice of medicine and law in the State of California and in the District of Columbia, and he is a member U.S. Supreme Court bar. He has written numerous articles on occupational health law and policy.



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## CIHC Professional Legislative Challenges



#### **Catherine Barankin**

Executive Director Sacramento Advocacy

Catherine has been a professional advocate for over thirty-six years, and established the lobbying firm Sacramento Advocacy in 1977. She has received numerous awards for her advocacy work and is a frequent guest speaker at conferences and public policy workshops. She has also been a columnist for the Sacramento Bee.

In addition to representing the interests of the California Industrial Hygiene Council before the Legislature and state agencies, Catherine also conducts advocacy trainings, and along with her husband, Dr. Joseph Barankin, is the author of "The Advocacy Handbook".

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#### CIHC Professional Legislative Challenges



### Howard Spielman, PE, CIH, CSP, REHS, CAC

President
Health Science Associates

Howard Spielman achieved his B.S. in Public Health from UCLA in 1956 and his M.A. in Health and Safety Science from CSULA in 1967. He is a Certified Industrial Hygienist, Certified Safety Professional, Registered Professional Engineer in the discipline of Safety, Registered Environmental Health Specialist, Certified Asbestos Consultant and Certified Lead Inspector/Assessor and Project Monitor.

He has worked as an Industrial Hygienist for the City of Los Angeles for 4 years and for Northrop Corporation for 5 years. He was the Corporate Manager of Environmental Health and Safety of Hughes Aircraft Company for 7 years and the for the past 40 years he has been the president of Health Science Associates, a full service consulting, technical and training firm specializing in occupational health and safety and environmental solutions.

Mr. Spielman is a Fellow member of the American Industrial Hygiene Association (AIHA) and past-president of the AIHA's Southern California Local Section. He was the founding president of the California Industrial Hygiene Council (CIHC) and continues to serve on its Board of Directors. Over the years, he has served on numerous Cal/OSHA and CDPH advisory committees and AIHA technical and advisory committees. He currently serves as a member of the ASSE Professional Safety journal editorial board.



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#### **Issue Overview—Titles for Purchase**



# Susan Browne Rosenberg, CIH, CHMM, CIEC

President
Desert Cities Indoor Air

Susan Rosenberg is President of Desert Cities Indoor Air, LLC, an Indoor Air Quality consulting firm based in Palm Desert, CA. She has over 30 years of experience in the California Health and Safety industry and is one of only 128 CIHs certified in Chemical Aspects. Susan is also a Certified Hazardous Materials Manager and Council-Certified Indoor Environmental Consultant. She is a past Chair of AIHA's Environmental Lead Laboratory Accreditation Program. Although Susan has completed over 1,500 mold inspections over the past 15 years, she does not hold any "mold inspector" designations. Originally from New Jersey, she has a BA in Biology from Douglass College, part of Rutgers University. Her current practice focuses on serving the Property Management industry in the Coachella Valley.



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# Radon Inspection Certification in California



### Gustavo Delgado, PhD

CEC

Forensic Analytical Laboratories, Inc.

Since 2004, Dr. Gustavo Delgado is the CEO of Forensic Analytical Laboratories, Inc. Based in Hayward, California, this is a 30 year old specialty laboratory which focuses on supporting all areas of contamination control with facilities in Hayward, CA, Los Angeles, CA and Las Vegas, NV. For 15 years, Gustavo was also the laboratory director of Hygeia Laboratories Inc., Sierra Madre, California. This laboratory specialized in the analysis of asbestos, lead and environmental microbiology samples. Previous to joining Hygeia, Gustavo supervised the microscopy laboratory of the California Department of Health Services, Air and Industrial Hygiene Laboratory, in Berkeley, California. Gustavo is an active member of the ASTM Committee D22-07 on Sampling and Analysis of Asbestos and is an ANSI delegate to the ISO Technical Committee TC146 SC3 on Ambient Atmospheres. Gustavo served two terms as Chair of the AIHA Asbestos Analysis Committee and one term as Chair of the AIHA Analytical Accreditation Board. A little less known fact about Gustavo's professional career is that he has been a certified radon measurement consultant since 1989.



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#### **Lead Certifications**



#### Kathy Jones, CIH, CAC, CIAQM

Vice President Health Science Associates

Kathy S. Jones is Vice President of Health Science Associates (HSA), a full service Industrial Hygiene and Environmental consulting firm. Ms. Jones is a Certified Industrial Hygienist (CIH) in Chemical Aspects, a Certified Indoor Air Quality Manager (CIAQM), a California Certified Asbestos Consultant (CAC), and a California Department of Public Health (CDPH) Lead Inspector/Assessor, Project Monitor and Project Designer. Her duties include project management, quality control, professional development, field investigations, report writing, expert witness testimony, etc. Kathy has a Bachelors degree in Chemistry with an emphasis in analytical chemistry and criminalistics from California State University, Fresno (1975).

Ms. Jones started her Industrial Hygiene profession when she was hired by HSA in 1978. Kathy developed HSA's industrial hygiene laboratory from a single person laboratory to a staff of 30 full-time chemists operating seven days per week, 18 hours per day and secured certifications and accreditations including full AIHA Laboratory Accreditation, State of California Drinking Water and Hazardous Waste Certification and National Institutes for Standards and Technology Accreditation in Bulk and Airborne Asbestos Analysis. At the time that Ms. Jones left HSA's laboratory in 1991, business operations included offices in northern and southern California and a staff of over 60 persons.

From 1991 - 1996 Ms. Jones directed her career more towards direct client consultation services and joined her husband in TOSHCO, a small Environmental Health and Safety consulting business. During this time she provided technical consultation and assistance to other health and safety professionals, provided training through the University and other company environments, and provided Phase I environmental site assessments along with other Industrial Hygiene sampling and analyses.

n 1995, Ms. Jones was offered the opportunity to be a Site Assessor for the American Industrial Hygiene Association (AIHA) when AIHA became one of the two initially approved accreditation bodies participating in the National Lead Laboratory Accreditation Program (NLLAP) as established by EPA under Title X. Since that time Ms. Jones has been an active AIHA-LAP, LLC site assessor, evaluating laboratories seeking accreditation or re-accreditation within the Industrial Hygiene and/or Environmental Lead accreditation scopes.

In 1996, Ms. Jones returned to employment with HSA and worked as a full time consultant and project manager from 1996 until 2004. From 2004 to the present, Ms. Jones has taken on the responsibilities of Vice President at HSA, helping manage the development, growth and delivery of HSA's variety of occupational health, safety and environmental services.



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# Mold Licensure: What Has Occurred in Other States (The Good, the Bad and the Mostly Ugly)



#### Joel Berman, CIH, CSP, CAC, CIAQM

Vice President Health Science Associates

Kathy S. Jones is Vice President of Health Science Associates (HSA), a full service Industrial Hygiene and Environmental consulting firm. Ms. Jones is a Certified Industrial Hygienist (CIH) in Chemical Aspects, a Certified Indoor Air Quality Manager (CIAQM), a California Certified Asbestos Consultant (CAC), and a California Department of Public Health (CDPH) Lead Inspector/Assessor, Project Monitor and Project Designer. Her duties include project management, quality control, professional development, field investigations, report writing, expert witness testimony, etc. Kathy has a Bachelors degree in Chemistry with an emphasis in analytical chemistry and criminalistics from California State University, Fresno (1975).

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# **2015 CIHC CONFERENCE**

#### "CHALLENGES FOR EHS PRACTICE IN TODAY'S ENVIRONMENT"

#### Tuesday, December 8, 2015

Morning Session Theme - "Total Worker Heath" and "Cross-Over EHS"

7:00-8:00 a.m.	<b>Pagistration</b>	& Continental	Broakfast
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8:00 a.m. Welcome — Robert Bacci, CIH, CSP, Nektar Therapeutics

8:05 a.m. An Industrial Hygienist's Guide to Total Worker Health® — L. Casey Chosewood, MD, MPH, Director, Office for

Total Worker Health® ,NIOSH/U.S. DHHS

8:55 a.m. Mindfulness: Promoting Total Worker Health and Safety by Being in the Moment — Jessica Drew de Paz, Psy.D.,

Mindfulness & Safety Research Project Manager, University of California, Irvine

10:00 a.m. Exhibitor Demonstration and Exhibits

10:30 a.m. Early Ergonomics — Ira Janowitz, MPS, CPE, Consultant and Expert Witness in Ergonomics

11:25 a.m. Advancing California's Workplace, Safety and Health in the 21st Century — Christine Baker, Director, State of

California-Department of Industrial Relations

Noon-1:30 p.m. Lunch on your own

Afternoon Session Theme - "Perspectives of the Gen Y Hygienist"

1:30 p.m. Welcome — Will Cyrs, MS, CIH, Cardno ChemRisk, and Megan Canright Rabinowitz, MPH, CIH, CIHC Board,

Forensic Analytical Consulting

1:35 p.m. Effectiveness of Engineering Controls on Formaldehyde Exposure in Anatomic Pathology Laboratories — *Erica J.* 

Stewart, CIH, FAIHA, HEM, Principal Consultant in National Environmental, Health and Safety, Kaiser Perma-

nente

2:20 p.m. Strategies for Internal OEL Development — Dana Hollins, MPH, CIH, Managing Health Scientist, Cardno

ChemRisk

3:00 p.m. Exhibitor Demonstration and Exhibits

3:30 p.m. IH Challenges and Opportunities in the Life Sciences — Keith Rego, CIH, CSP, Sr. Manager of IH and Chemical

Compliance, Illumina

4:15 p.m. Building a Solid Foundation: A Well-Rested Workforce is a Safer Workforce — Kelcey Trefethen, Associate

Consultant, EORM/BSI

5:00 p.m. Conference Day Two Adjourns

San Francisco, California December 7-9, 2015

# An Industrial Hygienist's Guide to Total Worker Health®



#### L. Casey Chosewood, MD, MPH

Director, Office for Total Worker Health® NIOSH

Dr. L. Casey Chosewood is currently the Director of the Office for Total Worker Health™ at the National Institute for Occupational Safety and Health, part of the Centers for Disease Control and Prevention. In this role, he promotes the protection and improvement of the safety, health and well-being of workers around the world. From 2004 to 2009, he served as the Director of the CDC Office of Health and Safety safeguarding the 15,000 members of the CDC workforce as they faced the new challenges of the modern public health era, including emerging infectious diseases, bioterrorism and other global health challenges. His Office led numerous CDC workforce protection programs, including all occupational health services, laboratory and biosafety programs, environmental and compliance activities, and workplace well-being and prevention initiatives. He has served as the Medical Director of CDC's three occupational health clinics. His team has overseen a multi-faceted workplace health program providing more than 200,000 encounters, screenings, and health opportunities annually. He has presented extensively on the topic of occupational safety and health, biological and laboratory safety, international travel medicine, and workplace well-being.

Dr. Chosewood received his medical degree at the Medical College of Georgia and completed his residency in Family Medicine at the University of Connecticut. He has been an Assistant Professor of Family and Community Medicine at Emory University School of Medicine since 1997. He received an MPH in Health Policy and Management from Emory University's Rollins School of Public Health in May 2014. Before coming to CDC, Dr. Chosewood was the Medical Director for the Southeastern Region of Lucent Technologies.



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## Mindfulness: Promoting Total Worker Health and Safety by Being in the Moment



#### Jessica Drew de Paz, PsyD

**Project Manager** Environmental Health and Safety, University of California, Irvine

Jessica Drew de Paz is a clinical psychologist with a background in mindfulness, a state of being present with focused attention. She received her B.A. in Psychology from UC Santa Barbara, and her M.A. and Psy.D. from California School of Professional Psychology, Los Angeles, Jessica has over 18 years of experience within the University of California (UC) system, where she has rendered psychological services, led diversity efforts, and overseen health and safety training. Currently, Jessica is a part of the UC "Training & Education" Center of Excellence, and she leads the UC "Mindful Health & Safety" Center of Excellence. In collaboration with UC Irvine's Susan Samueli Center for Integrative Medicine. she is investigating the potential for a Mindful Health & Safety Program to improve workplace health and safety outcomes across a variety of industries.



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# **Early Ergonomics**



# **Ira Janowitz, MPS, CPE**Consultant and expert witness in ergonomics

Ira Janowitz has an extensive background in ergonomics, with a focus on ergonomic risk assessment and optimizing human performance, workflow, and safety. He has degrees in Industrial Engineering, Health Program Management, and Physical Therapy.

Since 1983, Ira has been active in performing a wide variety of ergonomics evaluations, and has assisted many organizations in building internal capabilities and partnerships to help manage ergonomics issues. He has co-authored chapters in several occupational medical and safety texts and more than 30 peer-reviewed publications on the assessment and outcomes of ergonomics improvements. For the past 20 years, Ira has been a Lecturer and Preceptor in Occupational Biomechanics & Ergonomics in the Graduate School at the University of California, Berkeley, and served as a Course Director for Ergonomics for the Annual Safety and Health Conference, University of California Center for Occupational and Environmental Health.



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# Advancing California's Workplace, Safety and Health in the 21st Century



#### **Christine Baker**

Director
State of California-Department of Industrial Relations

Christine Baker is the first woman to serve as director of the Department of Industrial Relations (DIR).

Ms. Baker is renowned for innovative targeting in fighting fraud and the underground economy. Her experience comes from working with labor and management as chief of the Division of Labor Statistics and Research (1984-89), the deputy director for the Division of Workers' Compensation (1990-94), and the executive officer of the California Commission on Health and Safety and Workers' Compensation from its inception in 1994 until April 2011. During her tenure as executive officer, the commission's role expanded to overseeing the health, safety and workers' compensation systems in California and recommending administrative and legislative changes for improvement. In April 2011, Christine was named acting director of DIR and was appointed director by Gov. Brown in December. The Senate Rules Committee voted unanimously to confirm her appointment in May 2012.

As director, Christine serves as the state administrator of Apprenticeship, the administrator of the state OSHA Plan, an ex officio member of the California Self-Insurers' Security Fund and an ex officio member of the State Fund board of directors.

Ms. Baker is president-elect of the International Association of Industrial Accident Boards & Commissions (IAIABC), and has chaired the California Insurance Commissioner's Workers' Compensation Fraud Focus Group and the advisory committee of the International Forum on Disability Management.

Ms. Baker is the recipient of numerous awards. Small Business California recognized Christine as one of its 2008 Small Business Heroes. In 2012, she received the Human Rights Award from the League of United Latin American Citizens. The Department of Industrial Relations, which she now heads, improves working conditions for California's wage earners, and advances opportunities for profitable employment. DIR divisions include Cal/OSHA, the Labor Commissioner's Office, the Division of Workers' Compensation, the Division of Apprenticeship Standards and six boards, commissions and programs. DIR is a department within the California Labor & Workforce Development Agency.

Ms. Baker earned a master's degree and Ph.D. candidacy at the School of Education, University of California, Berkeley. She resides in Berkeley.



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# Effectiveness of Engineering Controls on Formaldehyde Exposure in Anatomic Pathology Laboratories



#### Erica Stewart, CIH, FAIHA, HEM

Principal Consultant in National Environmental, Health and Safety, Kaiser Permanente

Erica Stewart has 30 years' experience in the occupational health and safety field, the last twenty-four at Kaiser Permanente. In her current position, Erica is responsible for developing, organizing, and managing nationwide initiatives in collaboration with other departments, including procurement and facility design teams, to ensure that Kaiser Permanente's building designs, medical devices and products incorporate measures that eliminate or control chemical exposures and increase indoor environmental quality. Erica has BS in Biochemistry from San Francisco State University and is a Certified Industrial Hygienist and Fellow of AIHA, and a Member of ASHRAE and the USGBC Northern California Chapter.



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# **Strategies for Internal OEL Development**



#### Dana Hollins, MPH, CIH

Managing Health Scientist
Natural Resources & Health Sciences Division, Cardno ChemRisk

Ms. Dana Hollins is a board certified industrial hygienist with eight 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.



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# IH Challenges and Opportunities in the Life Sciences



#### Keith Rego, CIH, CSP

Sr. Manager of IH and Chemical Compliance Illumina

Mr. Keith Rego is an industrial hygienist with 15 years of experiences in Health, Safety and the Environment (HSE). He is board certified by the American Board of Industrial Hygiene and the Board of Certified Safety Professionals. Keith attended University of Massachusetts at Amherst for both undergraduate and graduate studies, receiving his Bachelor of Science in Environmental Sciences, Master of Science in Public Health, and Master of Business Administration degree from the university.

Keith's primary area of focus and expertise is the Life Sciences industry, where he has spent a large portion of his career in the pharmaceutical and biotechnology arena. Keith is currently the Senior Manager of Industrial Hygiene and Chemical Compliance for Illumina in San Diego, California. In this role, Keith is accountable for developing and executing global industrial hygiene and chemical compliance strategic direction. He leads and empowers a team of Health, Safety, and Environment (HSE) professionals to help execute team goals, promote HSE excellence. Keith's team is responsible for the development and global rollout of variety of HSE programs.

Keith is a faculty member in the Environmental Health and Safety Management Department at Cuyamaca College, where he provides instruction for "EHSM 100: Introduction to Environmental and Occupational Safety and Health (OSH) Technology" and "EHSM 201: Introduction to Industrial Hygiene and Occupational Health". He currently serves on the Cuyamaca College EHSM Advisory Board.



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#### Building a Solid Foundation: A Well-Rested Workforce is a Safer Workforce



#### **Kelcey Trefethen**

Associate Consultant EORM/BSI

Kelcey Trefethen is certified in Healthcare Environmental Management (HEM) and is currently an associate consultant in Environmental, Health and Safety (EH&S) specializing in Healthcare at Environmental Occupational Risk Management (EORM)/British Standards Institute (BSI). She received her Bachelor of Arts degree in Environmental Science and Studies from Sonoma State University and has studied Environmental Health at California Polytechnic State University. She holds a Master's degree in Secondary Education and Teaching in Earth Science from the University of San Francisco. Currently, Kelcey is a member of USF's Women's Leadership and Philanthropy Group and is a mentor for USF's undergraduate program.

Kelcey has over 10 years of experience in the field of Environmental, Health & Safety with focus in the healthcare arena, working for companies such as Kaiser Permanente where she was responsible for successful EH&S program implementation and continuous improvement in areas such as international hazard communication, industrial hygiene and regulatory compliance. Kelcey's current passion is in the field of Wellness as it relates to Occupational Safety & Health and Industrial Hygiene. Her current consulting efforts include providing expertise in designing highly productive, healthy (well -rested), and sustainable workplace environments that focus on risk prevention, innovation and connection and promote a thriving working culture.

Kelcey has recently been involved in education related to sleep hygiene, total health and wellness for graduate students in support of research on meditation and mindfulness at the University of Arizona with Dr. Charles Raison and Stuart Moody. Although expanding her expertise into the arena of health and wellness, Kelcey is still an active EH&S professional and industrial hygienist and is a current member of the American Industrial Hygiene Association. Since 2008, Kelcey has been an active member and served as a committee member and was chair of AIHA's Stewardship and Sustainability Committee 2012.

Kelcey is excited to be at EORM/BSI and very proud to be an associate consultant who believes in making a positive impact on the world every day and looks forward to making excellence a habit.



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# **2015 CIHC CONFERENCE**

#### "CHALLENGES FOR EHS PRACTICE IN TODAY'S ENVIRONMENT"

#### Wednesday, December 9, 2015

Morning Session Theme - "Evaluating Worker Exposures—The Future is Arriving"

#### 7:00-8:00 a.m. Registration & Continental Breakfast

8:00 a.m. Welcome — Steven Derman, FAIHA, CIHC Board, MediSHARE Environmental Health & Safety Services

8:05 a.m. The Challenge of Working With Unknown, Potent & Toxic Compounds — John Farris, CIH, President & CEO,

Safebridge Consultants, Inc.

9:05 a.m. The Updated Chemical Risk Assessment: The NIOSH Approach to Occupational Exposure Banding — Lauralynn

Taylor McKernan, ScD, CIH, Commander U.S. PHS, Deputy Director, Education and Information Division, NIOSH/

CDC

#### 9:55 a.m. Break

10:10 a.m. Applying Occupational & Environmental Hazard, Exposure & Risk Management Processes — David Zalk, PhD,

CIH, FAIHA, EH&S Manager, Lawrence Livermore National Laboratories

11:00 a.m. The Risk Assessment & Control Landscape – Measuring Up to the Task, Defining the Future — Donna Heidel,

MS, CIH, FAIHA, Fr. Risk Manager, Bureau Veritas North America; AIHA Board

#### Noon-1:15 p.m. Lunch on your own

Afternoon Session Theme - "Ethics for IH Practice"

1:15 p.m. Welcome — Dennis M. Robinson, D.Env., CIH, Pacific States Environmental Contractors, and Pamela Murcell,

MS, CIH, Conference Co-Chair, CIHC Board, Vice President, KWA Safety & HazMat Consultants, Inc.

1:20 p.m. Applied Case Studies in EOHS Ethics — Paul Zoubek, CSP, CIH, President/Principal Consultant, Zoubek Consult-

ing, LLC

3:20 p.m. Ethics for Mentors — Patricia Beach, CIH, CIHC Board Special Advisor, Managing Partner, Harris and Lee

Environmental Sciences, LLC

4:20 p.m. Closing Remarks — Pamela Murcell, MS, CIH, Conference Co-Chair, CIHC Board, Vice President, KWA Safety &

HazMat Consultants, Inc.

4:30 p.m. Conference Adjourns

San Francisco, California

December 7-9, 2015

# The Challenge of Working With Unknown, Potent & Toxic Compounds



#### John Farris, CIH

President & CEO Safebridge Consultants, Inc.

John Farris, CIH, is the leader of, SafeBridge Consultants, a professional technical firm of scientific and engineering consultants providing environmental health and safety services to pharmaceutical, chemical, biotechnology and other industries. He is a recognized expert in the safe handling of potent pharmaceutical compounds (which rarely have occupational exposure limits), he has authored numerous papers, and he frequently lectures on the subject of working with and understanding chemicals that have little substantive data.

Formerly, Mr. Farris was responsible for managing and leading the Syntex EH&S Center. He was vice president of Syntex (U.S.A.) Inc. and President of Agribusiness Technologies Inc., a Syntex subsidiary involved in environmental remediation. The Syntex EH&S Center was a group of senior safety, health and environmental professionals that provided specialized consultative services to selected Syntex and Roche clients as well as other parties.

Previously, he was the Vice President of the Corporate Environmental Health and Safety Division of Syntex with world-wide responsibility for EH&S services to the Syntex chemical, pharmaceutical and research units. He holds a B.Sc. degree in Occupational Health Sciences and Biological Science from California State University at Hayward and he has done graduate work in industrial hygiene at the University of Southern California and the University of Utah. His expertise includes the safety & control of potent pharmaceutical compounds, environmental protection, environmental remediation, industrial hygiene, and laboratory safety.

He has over thirty years of experience including eighteen years with Syntex/Roche. He is a member of the American Industrial Hygiene Association, AIHA's Exposure & Control Banding Committee, the International Society of Pharmaceutical Engineers, and the Occupational Hygiene Society of Ireland.



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# The Updated Chemical Risk Assessment: The NIOSH Approach to Occupational Exposure Banding



### Lauralynn Taylor McKernan, ScD, CIH

Commander U.S. PHS, Deputy Director Education and Information Division, NIOSH

Commander (CDR) Lauralynn Taylor McKernan is an environmental health officer in the US Public Health Service and has been working as a research industrial hygienist for the National Institute for Occupational Safety and Health for 17 years. She is a certified industrial hygienist and received her Doctor of Science degree from Harvard University. She has conducted a variety of industrial hygiene field studies and has publications in topics ranging from bioaerosols on commercial aircraft, blood lead monitoring techniques, diacetyl sampling, and lessons learned for first responders. CDR McKernan is the Deputy Director for the Education and Information Division of NIOSH in Cincinnati, OH.



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### Applying Occupational & Environmental Hazard Exposure & Risk Management Processes



### David Zalk, PhD, CIH, FAIHA

EH&S Manager
Laurence Livermore National Laboratories

David Zalk is the Environmental Health & Safety Deputy Team Leader at Lawrence Livermore National Laboratory. He is also the Director of Occupational Hygiene for the University of Illinois at Chicago's Global Program in Occupational Health Practice online course. He is the former International Hygiene Association President and currently serves as their envoy to the World Health Organization. He has led numerous national and international committees over the last three decades, including AIHA's Exposure Control & Banding Committee. David has published several books and articles on control and hazard banding. David is recognized worldwide as an expert on Control Banding and qualitative strategies for risk assessment and risk management. David remains actively involved in research and development within the greater occupational health and safety sciences.



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### The Risk Assessment & Control Landscape



### Donna Heidel, MS, CIH, FAIHA

Sr. IH Manager Bureau Veritas North America; AIHA Board

Donna S. Heidel is the Industrial Hygiene Practice Leader for Bureau Veritas North America where she leads the development of industrial hygiene services to support the effective management of occupational health risks associated with emerging technologies. Prior to her employment with Bureau Veritas she coordinated the Prevention through Design program at the National Institute for Occupational Safety and Health, including the benefits of occupational exposure banding and control banding for "designing in" containment and controls for materials without authoritative OELs. Ms. Heidel also has experience in the pharmaceutical industry, including 15 years at Johnson & Johnson, as the World Wide Director of Industrial Hygiene. While at J&J, she supported the development and implementation of engineering containment and control systems for high-potency drugs. She is certified by the American Board of Industrial Hygiene (CIH), and is an AIHA fellow. She also serves on the AIHA Board of Directors. She is the past chair of the AIHA Control Banding Working Group.



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### **Applied Case Studies in EOHS Ethics**



Paul A. Zoubek, CSP, CIH

President/Principal Consultant Zoubek Consulting, LLC

Paul A. Zoubek, CSP, CIH is an internationally recognized consultant in the area of workplace safety and health. He provides expert advice in the areas of management and engineering control of workplace hazards for companies globally. He advises companies in the areas of environmental control of workplace hazards and industrial hygiene surveillance. During his 26-year career, he has worked in the areas of worker health/exposure issues, training, and safety auditing with adherence to ANSI Z10, ISO 9001 and 14001 requirements. He has been able to assist companies globally in workplace injury risk reduction. Paul's specialties include electrical safety, machine safeguarding risk assessment, and hazardous energy control consultation.



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### **Ethics For Mentors**



### Patricia Beach, CIH

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Patty is the Managing Partner of Harris & Lee Environmental Sciences, LLC an environmental and occupational health and safety consulting firm in Northern California. Prior to joining H&L in 2006, she was the Associate Director of Occupational Health and Industrial Hygiene at a leading Biopharmaceuticals firm in the San Francisco Bay Area. She has over 22 years of experience in the practice areas of environmental toxicology, risk assessment, industrial hygiene and EHS management. Patty is active in the National IH community, recently completing a 4 1/2 year term on the Board of Directors of ABIH. She is also an active member of the AIHA, serving as Chair of the Environmental Issues Committee and as a member of the Laboratory Safety Committee. She is also a Past President of the Northern California Section of the AIHA, and a past Director of CIHC. Patty holds a B.S. in Environmental Toxicology from the University of California at Davis, and an M.S. in Environmental Health Sciences (Industrial Hygiene) from the UCLA School of Public Health. She is a Certified Industrial Hygienist. She has also proudly mentored staff to achieve their CIH and has served as a mentor in the early career professionals committee of AIHA.



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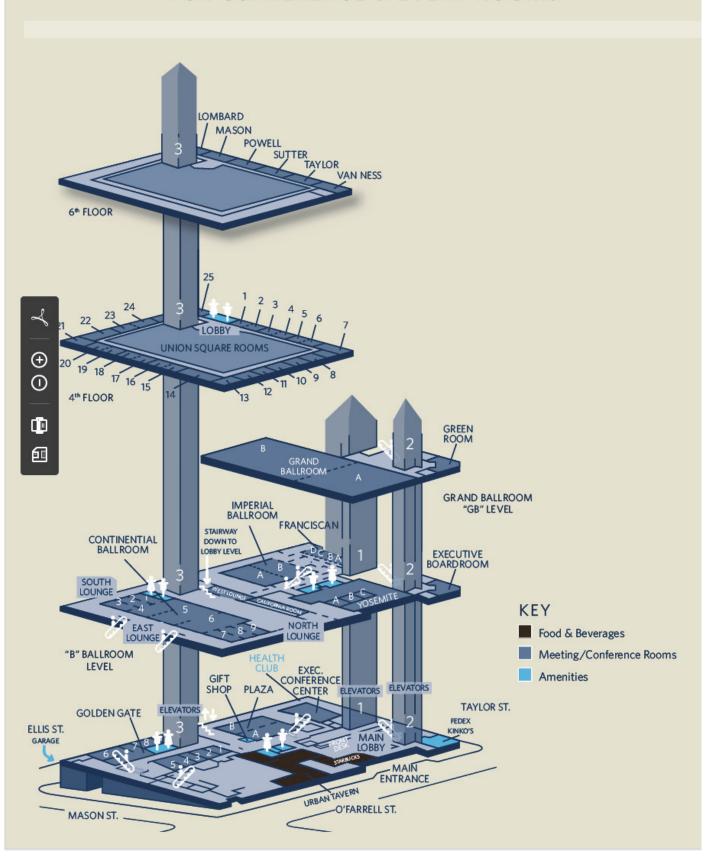
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# Meeting Room and Event Location Maps

# FLOOR PLAN FOR CONFERENCE & EVENT ROOMS

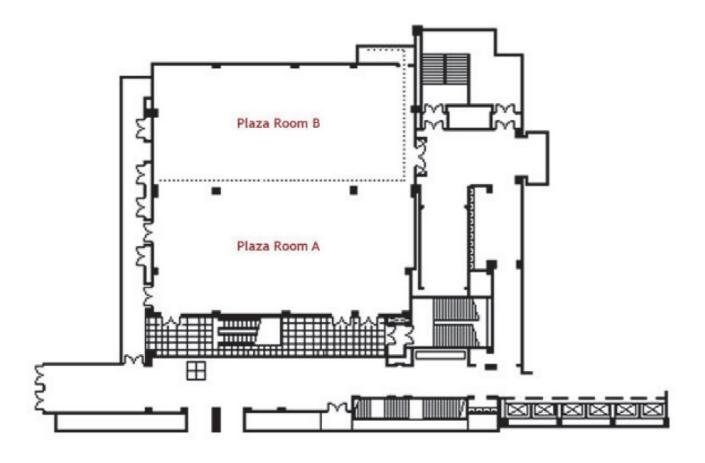


# Meeting Room and Event Location Maps

All CIHC Conference events will be held in the Plaza Rooms, such as:

- Conference Sessions
- Registration
- Continental Breakfast
- Exhibitor Demonstrations and Exhibits
- Keynote Luncheon
- Monday Evening Social Hour

Hilton (1) San Francisco



# Hotel and Surrounding Area Information



### Parking Around Union Square

http://www.visitunionsquaresf.com/getting\_around/



### **Union Square Area Restaurants**

http://www.visitunionsquaresf.com/visit\_here/
eating\_drinking/

### Conference Hotel

http://www3.hilton.com/en/hotels/california/hilton-san-francisco-union-square-SFOFHHH/index.html



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