



# CIHC CONNECTION

**2015 CIHC Board Members and Science Advisors, including representation from Academia, Non-Profits, Industry, Consulting and Government**

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## From the Capitol

by Cathy Barankin

As I write this, there are two weeks left in this first half of the 2015-2016 Legislative Session. Following adjournment, the Legislature goes into Interim Study Recess, a time when special issue hearings are held and new bills are drafted in preparation for the second half of session which begins in January.

For the next two weeks the Senate and the Assembly will conduct floor sessions only, most likely meeting into the wee hours of the morning to finish taking final floor action on hundreds of bills. There will of course be last minute "gut and amend" bills, where the entire contents of bills are striped and new language is inserted. While against the rules, and usually met with a veto, this practice still takes place and is what gives those of us working in the Capitol nightmares. Following adjournment, the Governor has until October 11th to sign, veto or allow bills to become law without his signature.

Members will shortly be headed back to their districts, and for the next three months, concentrate on the needs of their constituents. Since this is not an election year, there is a bit of a break in campaign activity, with the exception of raising money of course. Statewide election work for the 2016 election, including the Governor's race, are already well underway.

This session CIHC reviewed over 350 bills, and

decided to track around 40 of those. While we are "watching" the majority of bills on our Legislative Report, there are a number of bills on which we took an oppose position, worked to have amended or supported. The bills we opposed, AB 777 (Harper) related to repeal of the Global Warming Solutions Act; and AB 850 (Ridley-Thomas) having to do with aerosol transmissible diseases, have become two-year bills, which means they may continue making their way through the legislative process when members return in January, assuming they can overcome the opposition to them. AB 543 (Quirk) which we were seeking to amend to add CIH recognition, failed in the Assembly Environmental Safety and Toxic Materials Committee.

CIHC took support positions on AB 888 (Bloom) related to microbeads (awaiting a final vote on the Senate Floor before going to the Governor); AB 1435 (Alejo) dealing with toxics packing (sitting in the Senate Appropriations Committee); SB 658 (Hill) related to Automated External Defibrillators (passed and sent to the Governor); and SB 751 (De Leon) which deals with Hazardous Waste Research Programs (is a two-year bill).

When you view the [current CIHC Legislative Report](#), you will note that there is a CIHC Board member's name assigned to each bill. Each board member reviews changes (amendments) to the bills to which they are assigned and advises the board about a possible changes of our position or other recommend actions.

## 25<sup>th</sup> ANNUAL CIHC CONFERENCE SAN FRANCISCO, CA



December  
7 - 9,  
2015

Hilton San Francisco  
Union Square



"Challenges for EHS Practices in Today's Environment"

We're on the web!  
www.cihconline.com

## AIHce 2015 Review

by Megan Canright

The 2015 American Industrial Hygiene Conference & Expo (AIHce 2015) was held May 30-June 4 in Salt Lake City, Utah at the beautiful Salt Palace Convention Center located in the downtown area. The conference and expo was held concurrently with the Stewardship & Sustainability 2015 conference hosted attendees from all over the globe. AIHce organized a new "Personal AIHce Liaisons" or "PALs" program to link seasoned conference goers with first-time attendees and help them get the most out of their AIHce experience.

Pre-conference education was held on Saturday and Sunday with a variety of Professional Development Courses offered in a range of topics. Several CIHC members provided instruction in topics ranging from asbestos to electrical safety. California based instructors included: Wenhai Xu (PDC 702: Exposure Assessment Strategies and Statistics), Dan Hernandez (PDC103: Asbestos Health Risk Assessment: Modeling, Characterization, and Communication), Paul Zoubek (PDC 703: Basic Electrical Safety/Arc Flash with Application of NFPA 70E), Stephen Derman (PDC 409: Disinfection for Infection Prevention - IH Implications), Shane Que Hee (PDC406: Human Biological Monitoring Applications), and Michael Sullivan and Megan Canright (PDC424: Introduction to Human Health Risk Assessment).

Alison Levine kicked off AIHce 2015 program on Monday morning with a riveting and engaging presentation which juxtaposed the trials and tribulations of cresting the highest peak in the world with workplace and business environments. Levine discussed her experiences attempting to summit Mt. Everest, with an emotional failed first attempt followed by a second successful summit. She discussed taking ten breaths with each step to motivate and push herself forward. She spearheaded the first American Women's Everest Expedition, which formed the basis for her 2014 book "On the Edge."

The Tuesday opening session covered the health and safety implications of the increasing reliance of businesses on contracted work to save cost with respect to



Attendees at the AIHce 2015 Mark of Excellence Breakfast, a new conference event.

salary and wages overhead. David Michaels, PhD, MPH and David Weil, PhD with the US Department of Labor discussed the "fissured workplace" resulting from the movement of business operations other than essential core activities requiring specialized skill sets, training, or education toward contract work. Higher incidence of workplace injuries, accidents, or near-miss accidents, is often higher in contractor populations, leaving the EH&S industry concerned over how to better manage contractor compliance, implementation of safe practices and procedures, and safety education and training.

The Expo, one of the highlights of the annual conference, began to break down on Wednesday, June 3 however, attendees who explored the Expo were offered a chance to take a photo booth selfie, relax in the AIHA reading library, and try their luck at winning prizes from a Samsung Galaxy tablet to custom molded

hearing protection devices. Click [here](#) to see the AIHA video "At the Expo".

The Mark of Excellence Breakfast was held on Wednesday, June 3. This novel addition to the conference program boasted a community morning meal to recognize the extraordinary contributions made by our dedicated industry professionals and volunteers to the advancement of the industrial hygiene. The conference program concluded on Thursday, June 4 with the final day of technical sessions and passing of the AIHA Presidency torch from Chris Lorenzo to Dan Anna. Surely conference attendees will look forward to an equally rewarding experience next year in Baltimore, Maryland for AIHce 2016.



Alison Levine, AIHce 2015 Kickoff Speaker and author of "On the Edge".

AIHce 2016  
Baltimore Maryland  
"Pathways to Progress"  
www.aihce2016.org

AIHce2016  
BALTIMORE, MARYLAND + MAY 21 - 26

 A photograph of the Baltimore Convention Center building, a modern structure with a glass facade and a prominent entrance.



## AIHA - San Diego at LEGOLAND, CA

by Katie Johanski, CIH

On June 10<sup>th</sup>, AIHA - San Diego hosted an event at LEGOLAND in Carlsbad, California. Forty five Industrial Hygienists and Safety Professionals gathered to learn about the unique challenges that face Marcus Herring, Manager of Safety and Security at Legoland. Marcus is responsible for the safety of employees and guests associated with a theme park, water park, aquarium and hotel. On any given summer day, there could be 20,000 guests enjoying the theme park. This type of crowd requires a staff of 1600 employees, including a ride engineering team whose shift begins at 3am, lifeguards who battle both sun and water, and a group of aquarists who are responsible for the marine life. Between Memorial Day and Labor Day, the 250-room hotel is 100% occupied with guest from all ages - this requires an additional hotel and security staff that operates 24 hours a day. Marcus and his staff need to work effectively with an eclectic work force that experiences high levels of seasonal turn over, along with every single kind of guest imaginable. All of this in the near range of water, roller coasters and life size Lego Movie characters.

After the presentation, the whole group got to tour Legoland. It was a fun and educational event that could have only been made better if we were allowed to ride the roller coasters.



## Local Sections Updates

### Northern California

Jyoti Kumar, President

The Northern California section welcomed a new executive committee to include President Elect (Steve Derman) and Treasurer (Maria Griffin) as well as a new first year Director (Ahleah Rohr Daniel) and President (Jyoti Kumar). The new leadership team is faced with the challenge of losing some institutional knowledge from the board, however they hope to bring new ideas and fresh perspectives to the local section.

New initiatives that the team will take on this year include: The Charles H. Powell scholarship, open to Bay Area students studying IH and EHS; return of vendor night to coincide with student night; continuing education opportunities including technical tours; and co-sponsored events with other professional organizations.

The July dinner meeting was held at Michael's Shoreline on July 21<sup>st</sup> during which three presentations were given on global EHS issues. Perry Gottesfeld, MPH spoke on Silica exposures and tuberculosis prevention in the mining industry, Todd Jailer spoke on his Guide to Health & Safety and its relation to export factories, and Richard Hirsch, MPH, CIH, FAIHA gave an update on the DWOI and annual fundraising activities. The annual strategic planning meeting was held in August and set the plan for achieving goals for the 2015-2016 year.

Student award recipients were announced for the 2015 year to include Rachel Blythe (Bernard D. Tebbens award), Ameer Raval (Robert T. Legge award), and Alifia Merchant (Charles Powell award).

### Sacramento Valley

Roxanne Fynboh, President

The Sacramento Valley Section continued its tradition of offering an annual on-site facility tour. On July 22<sup>nd</sup>, approximately sixteen members attended a tour of the local Siemens facility. It was the opportunity to have a "behind-the-scenes" look at high-speed rail cars constructed from start to finish at a world class facility. The trains are used at many municipalities in North America.

On September 16<sup>th</sup>, a Section meeting was held from 12:00 to 3:00 pm in the DOSH Training Center at 2424 Arden Way, Suite 450, in Sacramento. There were two speaker presentations. Chuck Pullen, M.S., with the UC Davis Health System, presented "Construction-Related Bioaerosol Control in Health Care Facilities" and Julie C. Pettijohn, MPH, CIH, with the California Department of Public Health will discuss the latest information regarding the Department's recommendations to change the existing lead standards as well as their industrial hygiene experience in the lead industries.

The Section will hold the annual luncheon meeting on December 2<sup>nd</sup>. This is a free luncheon for members and a fun mixer. The featured speaker is Dr. Cristina Banks. Cristina is the Director of the [Interdisciplinary Center for Healthy Workplaces](#) at the University of California, Berkeley. She will be discussing "How Interdisciplinary View of Health and Wellbeing is Greater than the Sum of the Parts".

### Southern California

Michelle Rosales, President

The SCAIHA chapter is now having regularly scheduled member meetings, which are scheduled for the 2nd Thursday of every odd-numbered month. Each meeting includes dinner and a technical topic for CM credit. For the month of September, we hosted a joint meeting with OCAIHA, which was held in Long Beach. Our speaker was the AIHA Local Section Regional Representative of the Pacific Region, Steve Hemperly. He gave an update on our Region along with a discussion on Chemical Exposure Evaluation – Resources and Case Studies.

We are also setting up for our student scholarships. Along with OCAIHA, we will be offering \$500 scholarships to potentially up to four students. Applications will be available in late December or

*Local Sections Updates, cont'd*

early January. The scholarships will be presented at our Student Member meeting at California State University, Northridge in March 2016.

**San Diego**

Monica Netherly, Secretary

On March 21, 2015, the American Industrial Hygiene Association, San Diego Chapter (SDAIHA) participated as an exhibitor at the San Diego Festival of Science and Engineering Expo Day held at Petco Park. The festival is one the largest science and engineering celebrations in the southwest region, attracting thousands of community members and students.

SDAIHA volunteers demonstrated the importance of science, technology, engineering, and mathematics (STEM) education to K-12 students, their families, and other community members to inspire San Diego's youth to pursue higher education and careers in the industrial hygiene field.

The organization successfully reached students and families from all social and economic backgrounds through interactive hands on demonstrations which included monitoring oxygen levels in a "gas chamber box" using dry ice, measuring sound levels inside and outside of a sound chamber, and measuring light levels from direct sunlight and shade.

In addition, volunteers answered questions about the field and engaged participants in the possibilities of pursuing a career in industrial hygiene.

**AIHA National Update**

From AIHA Quick Takes, Sept. 2015

**New AIHA® Bodies of Knowledge (BoK)**

AIHA and its appointed members and volunteers work collaboratively to develop the technical framework, known as the Body of Knowledge (BoK), which outlines the knowledge and skills a competent person should possess and be able to demonstrate in a specific topic or specialty. Currently, AIHA's BoK consists of the following, with more in development:

The *Field Use of Direct-Reading Instruments for Detection of Gases and Vapors Body of Knowledge* provides a comprehensive summary necessary for competent field use of DRIs in the detection and monitoring of gases and vapors. This resource was comprised of information recommended by representatives from the International Association of Fire Fighters, the Marine Chemist Association, NIOSH, industrial hygiene and environmental professions, and instrument manufacturers.

The *Respiratory Protection Program Administration and Fit Testing Body of Knowledge* Respiratory Protection Program Administrators (RPPAs) and respiratory fit testers a framework for developing training programs and skill assessments. This invaluable resource was developed by key AIHA experts, representatives from NIOSH, occupational hygienists, and respiratory protection equipment and instrument manufacturers this compendium of knowledge is invaluable for today's RPPAs and Fit Testers.

*cont'd on pg. 5*

**UCLA Industrial Hygiene Program Graduates**

by Shane Que Hee, PhD

**Dr. Sean Banaee** graduated in June 2015 with his thesis title being *Permeation of Limonene Through Disposable Nitrile Gloves using a Static and Dynamic Robotic Hand* (Advisor: Shane Que Hee).



**Teni Adewumi**, the 2014/2015 President of the UCLA Industrial Hygiene Student Association, graduated with an MS degree. Her research project is titled *Analysis of Occupational Exposures of Black Hair Care Professionals in Predominantly Black Salons* (Advisor: Wendie Robbins).



**Calvin Wong** graduated with an MS degree and his report title is *Black Carbon and Ultrafine Particle Infiltration through HVAC System* (Advisor: Yifang Zhu).



SDAIHA volunteers demonstrate industrial hygiene principles at the San Diego Festival of Science and Engineering Expo Day.

*AIHA Update, cont'd*

The [IAQ/IEQ Practitioner Body of Knowledge](#) is a first-of-its-kind resource that provides indoor air quality practitioners and employers with a compendium of knowledge and practicum as recommended by a joint panel of AIHA and IAQA experts. This BoK was created in conjunction with the [Indoor Air Quality Association \(IAQA\)](#).

For more information, please contact [Stacey Calhoun](#).

**AIHA Nanotechnology Working Group Develops Fact Sheet**

The AIHA Nanotechnology Working Group has developed a board approved fact sheet entitled, *Engineered Nanoparticles in the Workplace*. This fact sheet will primarily address intentionally produced engineered nanoparticles (ENPs) or manufactured nanomaterials (MNM)s. The fact sheet will be available within the next few weeks.

**AIHA Ergonomics Committee Develops Position Paper**

The AIHA Ergonomics Committee has released a board approved position paper entitled, *Application and Limitations of Functional Capacity Evaluations in Managing Work-Related Musculoskeletal Disorder Risks/Hazards*. The intent of this paper is to provide a best practice perspective on the use, and misuse, of FCEs in the prevention of work-related musculoskeletal disorders.

**Laminate Flooring Outgassing Technical Guidance**

Accurately measuring indoor formaldehyde concentrations in a home and determining if laminate flooring is contributing to levels that pose a health risk are complex tasks that require a professional who understands the contributing variables and is able to apply a variety of technical tests. The AIHA Indoor Environmental Quality (IEQ) Committee has recognized the need to provide some technical guidance for industrial hygienists and others who may be asked to sample formaldehyde concentrations in homes. The [Laminate Flooring Outgassing Technical Guidance](#) is intended for industrial hygiene professionals with the formal education, training, and experience that are necessary to collect samples that are capable of measuring indoor concentrations of formaldehyde in a manner that allows meaningful interpretation. Additionally, if requested to collect bulk materials to be submitted for chamber testing to determine if they comply with CARB standards, industrial hygienists need to consider the guidance provided here and in other documents.

**EPA Launches IAQ Assessment App for Schools**

The EPA launched a new mobile app that helps schools and school districts perform

comprehensive indoor air quality (IAQ) facility assessments. App users can access 11 IAQ checklists that can be used to assess different areas of a school facility when conducting a walkthrough. The new app also provides access to guidance from EPA's "[IAQ Tools for Schools Action Kit](#)," which includes best practices, industry guidelines, sample policies, and a sample IAQ management plan for schools. Other features of the app include the ability to submit completed checklist assessment forms to an IAQ coordinator for tracking purposes and the ability to attach pictures and notes about IAQ problem areas to completed checklists.

According to EPA, the app complements existing IAQ management programs, and schools can use the app to identify and prioritize IAQ improvements. The new app does not require specialized training to use, but it does require an Internet connection. The app is available for download via [EPA's website](#). Information on how to get started with the School IAQ Assessment Mobile app is also [available](#).

**ACGIH® Update****Partnering with ISES**

ACGIH is partnering with the International Society of Exposure Science (ISES) on their upcoming annual conference in Henderson, NV on October 18-22, 2015. The ISES conference attracts scientists of international acclaim from academia, government and the private sector and ACGIH is excited about participating in this new venture. ACGIH has been promoting this conference

during the past year through membership e-mails and their online newsletter Today! For more information go to <http://www.ises2015.org/>

**ACGIH has a new Look!**

During AIHce in Salt Lake City, Utah, ACGIH debuted a fresh new look that reflects the recent redesign of its new website launched in May. "Our members and customers are now able to find information and resources more quickly and easily on the new website, which is also easier to view on any device whether it's a desktop, laptop, tablet or smartphone, making it easier to order the products you need and register for the educational events that interest you. The new look and improved functionality is available at <http://www.acgih.org>. Check it today!

**ACGIH signs MOU with OHTA**

ACGIH and the Occupational Hygiene Training Association (OHTA) have signed a memorandum of understanding (MOU) wherein ACGIH pledges its support for the mission of OHTA. OHTA was formed to promote better standards of occupational hygiene practice throughout the world. ACGIH has committed to support and promote the development and implementation of the OHTA international training and qualifications framework and will encourage, promote and support the use of OHTA modules and qualifications within ACGIH's area(s) of operation.

## Upcoming Local Section Events

The five Local AIHA Sections in California work hard to provide relevant meetings and networking opportunities. Contact the Local Section in your area for information and activities. See page X for an update on recent Section activities. For more information, you can visit the webpage for each Section by clicking on the Section name.

**Northern California:** September 29 - dinner meeting, 5:30 PM to 8:30 PM at Spengers Restaurant, 1919 4th Street, Berkeley, CA. "Occupational Contribution to the Burden of Obstructive Airway Disease: Asthma & COPD"; Speaker: John Balmes, MD, Professor, UCSF School of Medicine, Director University of California Center for Occupational and Environmental Health Science.

**Southern California:** October 21 - [Joint Technical Symposium](#), The Grand Long Beach Event Center, Long Beach, CA. November 12 - dinner meeting, 6:00 PM to 8:30 PM; Speaker: Eric Brown, DrPH, Director of EH&S, Tri Alpha Energy. Topic and location TBA.

**Orange County:** October 21 - [Joint Technical Symposium](#), The Grand Long Beach Event Center, Long Beach, CA.

**San Diego:** Visit the web page for more information.

**Sacramento Valley:** October 7 - [2015 Sacramento Safety & Health Summit](#) (sponsored by Sacramento ASSE), Red Lion Woodlake Conference Center located at 500 Leisure Lane, Sacramento, California.

## ABIH® Update

The Chair of the American Board of Industrial Hygiene® (ABIH®), Nicole Greeson, and the CEO, Ulric Chung, presented a session at the *First China-US Occupational Health Symposium* in Shanghai, China on September 15th entitled *Preparing Practitioners in China for a Global OHS Credential*. The presentation was followed by a panel discussion of recently-certified and longstanding Certified Industrial Hygienists® (CIH®) from China. China has the greatest number of CIHs outside of North America and interest in the credential is growing.

On June first at the AIHce meeting in Salt Lake City, the Chair of ABIH announced the board's interest in exploring the development of an entry-level credential for new graduates

that could lead to the CIH credential. Although the board is optimistic about the prospect of an entry-level credential, it plans to conduct a market analysis to assess its long-term viability.

ABIH's video entitled "What is a CIH?" has received over 2800 views since its release on Youtube.com on July 30th. Designed to appeal to a wide range of viewers and ages, the 105-second animated video introduces the public to what Certified Industrial Hygienists can do to protect individuals in the workplace and beyond. It is accessible through the ABIH website at [www.abih.org](http://www.abih.org), and it is also available on the [CIHC website](#).

ABIH® recently conducted a survey in conjunction with the Alliance of Hazardous Materials Professionals® (AHMP®), the

American Industrial Hygiene Association® (AIHA®), the American Society of Safety Engineers® (ASSE®), the Board of Certified Safety Professionals® (BCSP®), and the Institute of Hazardous Materials Management® (IHMM®) to learn more about the current economic climate, and to better understand and report on trends in the profession. The survey results have been tabulated, and a link to an on-line salary calculator that will allow diplomates to compare a CIH's salary with other health and safety practitioners is available through the ABIH website at <http://www.abih.org/salary>.

Please be sure to visit the ABIH website at [www.abih.org](http://www.abih.org) for the most up-to-date information about ABIH activities.

