

Final Program

AIH²⁰¹⁷ceEXP

Seattle, Washington • June 4-7

PDCs: June 3, 4 and 8

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Welcome to AIHce2017

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AIHce At A Glance

	SATURDAY - SUNDAY June 3 - June 4	MONDAY June 5	TUESDAY June 6	WEDNESDAY June 7	THURSDAY June 8
6:00 am					
7:00 am		Early Riser Session	Early Riser Session		
8:00 am		Opening Session	General Session	Mark of Excellence Breakfast	
9:00 am	Pre-Conference Professional Development Courses (PDCs)	Expo Only	Expo Only	Expo Only	Pre-Conference Professional Development Courses (PDCs)
10:00 am		Concurrent Sessions	Concurrent Sessions	Concurrent Sessions	
11:00 am		Expo Only	Expo Only	Expo Only	
NOON		Expo Only	Expo Only	Expo Only	
1:00 pm		Concurrent Sessions	Concurrent Sessions	Concurrent Sessions	
2:00 pm		Expo Hall Networking Reception	Committee Meetings	Committee Meetings	
3:00 pm		Committee Meetings	AIHce POWER HOUR		
4:00 pm		Social Events	Social Events		
5:00 pm	Committee Meetings (Sunday, 5-7 pm)				
6:00 pm	AIHce Social (Sunday, 7-9 pm)	Late Night Session	Late Night Session		
7:00 pm					
8:00 pm					
9:00 pm					
10:00 pm					



Enhance Your AIHce EXP Through the App!

Download the AIHce EXP mobile app today and dive into a deeper EXPerience, thanks to our app sponsor Sitehawk!

- Access maps and search exhibitors
- Set up your personalized schedule and agenda
- Search the speaker list
- Network with other attendees through NEW private messaging feature
- Play CODENAME: IH for a chance to win great prizes
- See what's happening in the NEW conference social feed
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Sessions by Track

Track	Monday, June 5 10:00 AM - 11:00 AM	Monday, June 5 11:15 AM - 12:15 PM	Monday, June 5 2:00 PM - 3:00 PM	Monday, June 5 3:15 PM - 4:15 PM	Tuesday, June 6 10:00 AM - 11:00 AM
Chemical and Material Hazards	<ul style="list-style-type: none"> EHS Issues with Taxidermy Specimens 	<ul style="list-style-type: none"> Firefighting Hazards and Dust Masks Hazardous Chemicals: What Are the Alternatives? 		<ul style="list-style-type: none"> Dairy Exposures to Airborne Endotoxins and β-Glucans 	<ul style="list-style-type: none"> Poster Session 2 Vaping Aerosols and Secondhand Exposures
Controls		<ul style="list-style-type: none"> Three Talks on Respirators 	<ul style="list-style-type: none"> Goin' Hot: Remember the IH Fundamentals 	<ul style="list-style-type: none"> Current Topics in Protective Clothing and Equipment 	
Emergency Preparedness and Response	<ul style="list-style-type: none"> Acute and Emergency Exposure Limits for Chemical Release Incidents 	<ul style="list-style-type: none"> Integrating the IH with the First Responder 	<ul style="list-style-type: none"> Zika, Pathogens, and Ammonium Hydroxide 		
Environmental Issues					
Hazard Recognition and Evaluation	<ul style="list-style-type: none"> Interesting OSHA Health Cases, Part 1 Consumer Products Exposure IEQ Molds and Mycotoxins: Current Issues IH and Animal Research: Current Issues Poster Session 1 Advances in Real-Time Detection and Sensor Technology 	<ul style="list-style-type: none"> Interesting OSHA Health Cases, Part 2 Heavy Metals, Contaminated Schools, and Risk Characterization Computers Can Make Your EHS Life Easier 	<ul style="list-style-type: none"> Sampling, Analytical Methodology and Testing, Part 1 Crystalline Silica Exposure Management A Variety of Hazards Something Smells: Odors and Vapor Intrusion 	<ul style="list-style-type: none"> Sampling, Analytical Methodology and Testing, Part 2 New Approaches to Exposure Monitoring and Screening Naturally Occurring Asbestos (NOA) The Evolving Role of Sensors to Protect Worker Health 	<ul style="list-style-type: none"> Risk Assessment Triptych Streamlining Exposure Assessment Three Times the Data
IH Profession and AIHA	<ul style="list-style-type: none"> Q&A with Ken Jennings 		<ul style="list-style-type: none"> Herbert E. Stokinger Award Lecture 	<ul style="list-style-type: none"> William P. Yant Award Lecture The 8th Habit of Highly Effective IH Leaders 	<ul style="list-style-type: none"> 17th Annual Upton Sinclair Memorial Lecture for Outstanding EHS Investigative Reporting
IH Program Management	<ul style="list-style-type: none"> Intercultural Communication in the Work Force 	<ul style="list-style-type: none"> GHS/HazCom: Where Employers Are Out of Compliance 			<ul style="list-style-type: none"> Going Green: Applying IH Concepts in Nontraditional Ways
Industries	<ul style="list-style-type: none"> Can Worker Fatigue Be Predicted Hours in Advance? 	<ul style="list-style-type: none"> Biological Monitoring Methods 	<ul style="list-style-type: none"> EHS Topics in Construction Wildfires: The IH Role, Part 1 	<ul style="list-style-type: none"> Exposures to Highly Hazardous Drugs Wildfires: The IH Role, Part 2 	<ul style="list-style-type: none"> Operational and Strategic Planning in Laboratories, Part 1 Turnaround Tales: Health and Safety Challenges
Physical Hazards	<ul style="list-style-type: none"> Topics in Ergonomics 	<ul style="list-style-type: none"> Notable Confined Spaces and Issues 	<ul style="list-style-type: none"> Radiation Protection Strategies, Part 1 Noise-Induced Hearing Loss: The Derek E. Dunn Invited Lecture Series 	<ul style="list-style-type: none"> Radiation Protection Strategies, Part 2 	<ul style="list-style-type: none"> Dealing with Noise Occupational Hygiene in British Columbia: Confined Spaces in Agriculture Using the New Cumulative Lifting Index and Cumulative Strain Index
Regulation and Public Policy	<ul style="list-style-type: none"> Emerging Issues in Beryllium Regulation, Part 1 3D Printing: Impact on the Manufacturing Environment 	<ul style="list-style-type: none"> Emerging Issues in Beryllium Regulation, Part 2 Occupational Exposure Outside the USA The Impact of the Updates to TSCA 	<ul style="list-style-type: none"> Exposures in Coffee Processing Facilities Mock Trial, Part 1 	<ul style="list-style-type: none"> Industrial Hygiene and Safety in Ukraine Mock Trial, Part 2 	<ul style="list-style-type: none"> H&S Considerations Surrounding the Aging Worker Mold, Coal Mines, and Lead: A Look at Regulation and Public Policy Protecting African Workers: Contemporary Issues
Safety	<ul style="list-style-type: none"> Topics in Safety 	<ul style="list-style-type: none"> Data-Based Approach to Improve Research Safety 	<ul style="list-style-type: none"> Workplace Well-Being: Bridging Safety and Health 	<ul style="list-style-type: none"> Selling Safety to the Front-Line Employee 	<ul style="list-style-type: none"> Behavior-Based Safety: Changing Behaviors

Tuesday, June 6 11:15 AM - 12:15 PM	Tuesday, June 6 2:00 PM - 3:00 PM	Tuesday, June 6 3:15 PM - 4:15 PM	Wednesday, June 7 9:00 AM - 10:00 AM	Wednesday, June 7 10:15 AM - 11:15 AM	Wednesday, June 7 1:00 PM - 2:00 PM
<ul style="list-style-type: none"> Nanomaterials: Testing and Regulatory Overview The World of Low Submicrogram Beryllium Concentrations 	<ul style="list-style-type: none"> Nanoparticles: Industrial Ventilation Solutions 		<ul style="list-style-type: none"> Batteries, PCBs, and Pesticides 	<ul style="list-style-type: none"> Research on Welding Processes, Helmets and Fume Sampling 	<ul style="list-style-type: none"> Nanoparticle and Diffusive Sampling
<ul style="list-style-type: none"> Topics in Respiratory Protection 			<ul style="list-style-type: none"> Learning to Leverage NIOSH's PPE Activities 	<ul style="list-style-type: none"> Focus on Respirators 	
	<ul style="list-style-type: none"> Mock Emergency Response, Part 1 	<ul style="list-style-type: none"> Mock Emergency Response, Part 2 		<ul style="list-style-type: none"> Ebola and Other Infectious Diseases 	
			<ul style="list-style-type: none"> SDS Authoring and Reviewing, Part 1 	<ul style="list-style-type: none"> SDS Authoring and Reviewing, Part 2 	
<ul style="list-style-type: none"> Current Topics in Exposure Assessment Occupational Exposure Bands for Chemicals Lacking an OEL Studies in Real-Time Detection and Sensor Technology Three Looks at Asbestos 	<ul style="list-style-type: none"> Microbiomes of the Built Environment, Part 1 Occupational Hygiene in British Columbia: Craft Brewing Current Advances in Sampling Methods Silica Standards 	<ul style="list-style-type: none"> Microbiomes of the Built Environment, Part 2 Conjoined Sensor Use to Evaluate Exposures Evaluating Physical and Mental Fitness for Work Hazard Banding and REACH Exposure Measuring and Modeling of Air Concentrations 	<ul style="list-style-type: none"> Bayesian and Professional Judgment Users' Group, Part 1 Erionite: The Ghost of Asbestos Past Insights on Exposure Monitoring International Laboratory Standards of Practice 	<ul style="list-style-type: none"> Allergic Biomolecules in Workplace and Home Environments An Effective Process Hazard Analysis (PHA) Bayesian and Professional Judgment Users' Group, Part 2 GHS Combined with Control Banding 	<ul style="list-style-type: none"> All the World's a Risky Stage Building Damage Restoration: IH Protocols Industrial Hygiene Statistics: The Next Generation Reducing Dust and Silica Exposure
<ul style="list-style-type: none"> NIOSH Education Session The Sole IH/EHS Professional in Your Organization 	<ul style="list-style-type: none"> Successfully Applying for the CIH Exam 	<ul style="list-style-type: none"> Perspectives on Preparation for the CIH Exam v12.0 		<ul style="list-style-type: none"> Mentoring: Experiences, Advice and Real-World Application 	<ul style="list-style-type: none"> ABIH Forum Oh, the Places You'll Go! Jeffrey S. Lee Lecture
<ul style="list-style-type: none"> Contractor Safety Management in a Complex World 		<ul style="list-style-type: none"> How to Use Creative Nonfiction Narrative to Improve Training 	<ul style="list-style-type: none"> Making OH&S Training Come to Life 		
<ul style="list-style-type: none"> Operational and Strategic Planning in Laboratories, Part 2 Noise, Knees, Drugs, and Fungi 	<ul style="list-style-type: none"> Operational and Strategic Planning in Laboratories, Part 3 Are Controls Working?: Evaluating Effectiveness Diesel Exposure and Cancer in Mining 	<ul style="list-style-type: none"> Operational and Strategic Planning in Laboratories, Part 4 Environmental Surface Disinfectants Use in Healthcare Protecting Workers, Students and Teachers during School Construction 	<ul style="list-style-type: none"> Applying the Hierarchy of Controls to Infection Prevention Industrial Hygiene in the Healthcare Industry Measuring Total Petroleum Hydrocarbon (TPH) Exposures 	<ul style="list-style-type: none"> Volatile Organic Compounds (VOC) Criteria for New Construction 	<ul style="list-style-type: none"> Chemical Registration Systems and Disinfection Topics Hydrocarbon Exposures from Opening Storage Vessels
<ul style="list-style-type: none"> Managing a Global Ergonomics Standard of Care 	<ul style="list-style-type: none"> 100+ Years of Radiation Risk Communication, Part 1 Current Studies in Radiation Noise Diagnostic Tools in the 21st Century 	<ul style="list-style-type: none"> 100+ Years of Radiation Risk Communication, Part 2 Best Practices for Confined Space Monitoring More Topics in Ergonomics 	<ul style="list-style-type: none"> Impact of Ergonomics on ADA Cases 	<ul style="list-style-type: none"> Noise, Dosimetry, and F-Weighting: Topics in Noise Notable Confined Spaces and Issues 	<ul style="list-style-type: none"> The Value Proposition of Ergonomics
<ul style="list-style-type: none"> Lead, <i>Legionella</i> and Disinfectant By-Products in the Flint Water Crisis 	<ul style="list-style-type: none"> Vietnam Takes New Initiatives on Lead Exposures 	<ul style="list-style-type: none"> OSHA's New Recordkeeping Law 	<ul style="list-style-type: none"> Occupational Hygiene Capacity in Developing Countries 	<ul style="list-style-type: none"> Complex Interactions of Water System Contaminants Why Not Jail?, Part 1 	<ul style="list-style-type: none"> Multicultural Ethics: Calibrating Your Ethical Compass Why Not Jail?, Part 2
	<ul style="list-style-type: none"> Moving Your Organization through the EHSQ Maturity Curve 		<ul style="list-style-type: none"> Investigative Photography Poster Session 3 		<ul style="list-style-type: none"> Dust Explosion Hazards Management: NFPA 652

General Information

Conference Location

Conference events are held at the Washington State Convention Center (WSCC) unless otherwise noted. This includes education sessions (Early Riser and Late Night Learning sessions will be held at the Sheraton Seattle), the Expo, Speaker Ready Room, and the CareerAdvantage Development Fair. Volunteer groups and committees will meet at the Sheraton. A full listing of events can be found in the Schedule-at-a-Glance in the Final Program and on the AIHce 2017 Mobile App.

Badges

Lobby (4th Floor), WSCC

Registrants **MUST** wear a name badge to be admitted to all AIHce sessions and events, including social activities. Tours, AIHF activities, and selected social activities also require a ticket. Once tickets are purchased, fees are nonrefundable. However, ticket exchanges may be permitted, pending availability. After one initial reprint, there is a \$5.00 charge for a lost badge or ticket replacement.

Children

Children and young adults 18 and under are not permitted at any AIHce 2017 events (including courses, sessions, socials, or in the Expo).

CIH Requirements

For detailed information about CIH requirements, contact ABIH directly at www.abih.org or visit the ABIH Booth (Booth 1127) while onsite.

Emergencies, First Aid, and Assistance

WSCC (outside Hall B)

The safety and security of attendees and staff is the first priority of AIHA and the WSCC. If a medical emergency occurs in the WSCC, contact WSCC Security Control Office by dialing ext. 5127 from any house phone in the facility. We respectfully request that you **do not** call 911 directly.

A first aid station staffed daily by an EMT, Saturday – Thursday, is located outside Hall B in the South Foyer.

Evaluations

AIHce attendees will receive a nightly email to evaluate the sessions you attended that day. Additionally, attendees will receive an overall evaluation of AIHce immediately following the conference. PDC evaluations will be emailed to those who have attended courses or you can access them via the AIHce mobile app. Your feedback is appreciated and will be used to improve AIHce.

Expo

Exhibit Hall 4EF, WSCC

Monday	9:00 a.m.–5:30 p.m.
Tuesday	9:00 a.m.–3:00 p.m.
Wednesday	8:00 a.m.–1:30 p.m.

Do your gadgets need a boost after all the note taking, tweeting, and mobile app surfing you've been doing? Visit the AIHA Booth (1211).

Lost and Found

Information Desk, South Foyer, WSCC

Lost and found items may be taken to/requested from the Information Desk on the 4th Floor (Atrium Lobby). AIHce will turn items into WSCC security each evening.

NEW in 2017! Overflow Room sponsored by The Synergist

Room 601, WSCC

Unable to attend an education session because the room is full? AIHce is pleased to introduce the Overflow Room into which the slides and audio of a session in each time block that has reached capacity will be broadcast. Enjoy the benefits of the session — without having to stand. Final assignments of sessions into this room will be determined onsite as need arises.

Speaker Ready Room

Room 604, WSCC

Friday	3:00 p.m.–4:00 p.m.
Saturday–Sunday	7:00 a.m.–5:30 p.m.
Monday–Tuesday	8:00 a.m.–4:00 p.m.
Wednesday	8:00 a.m.–1:30 p.m.
Thursday	7:00 a.m.–1:00 p.m.

Check-in is **mandatory**. Visit the Speaker Ready Room at least 60 minutes prior to the start of the session.

Technical Tours

Gather for your tour at the Convention Place Lobby (next to the fountain) on the 1st Floor of the WSCC at least 15 minutes prior to published tour departure. Requirements for participation vary by tour. Attendees interested in wait-listing for tours will be taken on a first-come, first-served basis after payment of tour fees if slots open on individual tours.

WIFI

Wireless Internet access is available throughout the WSCC.

- Network: AIHce2017
- Password: iamIH2017

The Hub

Hall 4BCD, WSCC

AIHce is proud to introduce The Hub — the spot for interactive learning, posters, table topics, *CareerAdvantage*, and a work zone to catch up on emails and calls.

In **Zone 1**, you'll find AIHA education, Health and Wellness education, the Virtual Spotlight interview area, and a Work Zone, complete with power stations.

Zone 2 is *CareerAdvantage* headquarters — everything you need to hire — or be hired.

Zone 3 is for Table Topic discussions (12:30 PM - 1:30 PM on Monday and Tuesday). Monday features topics of interest for students and early career professionals. Tuesday focuses on NIOSH-selected topics.

Zone 4 is the Poster Presentations, including professional and student posters.

Zone 5 is the AIHA Volunteer Group and Committee Table Topics (12:30 PM - 1:30 PM on Tuesday).

Special Events

AIHce Social

Sponsored by Chemwatch

Sunday, 7:00 PM - 9:00 PM

Grand Ballroom, Sheraton Seattle

Kick off the conference with food, drinks, and fun at the AIHce Social. Your conference badge is required to attend this event.



First Timers' Orientation Breakfast

Sponsored by DuPont

Monday, 6:30 AM - 7:30 AM

Grand Ballroom C, Sheraton

First time attending? Hear tips on how to maximize your overall conference experience and meet other first-time conference-goers.



Expo Hall Networking Reception

Monday, 4:30 PM - 5:30 PM

Exhibit Hall 4EF, WSCC

Mix, mingle, and network at the Expo Hall Networking Reception. This is the perfect opportunity to meet exhibitors, visit with colleagues, and learn about new products and services from AIHA and ACGIH. Plus, a free drink ticket is included with registration! Your conference badge is required to attend this event.

31st Annual AIHF FunRun

Tuesday, 6:30 AM - 8:00 AM

Sponsored by Boeing, 3M, Alliant, REPSS, SevenGen, ATC Associates, ESIS, Maupin, PNS AIHA, SafeX, Simply Seattle, Steel Dynamics, Susan Ripple Consulting, and WHWB

Lace up your running shoes and run 5k or walk 2k. All participants (individual runners, team runners, and sleep-in entries) **must** check-in at the FunRun desk (South Lobby, WSCC). Hours: Sunday, 12:00 PM - 5:00 PM and Monday, 8:00 AM - 5:00 PM.



AIHce POWER HOUR

Sponsored by MSA

Tuesday, 6:30 PM - 7:30 PM

Metropolitan Ballroom, Sheraton

You are invited to attend this "see and be seen" annual event! Your conference badge is required to attend.



Mark of Excellence Breakfast

Wednesday, 7:00 AM - 8:30 AM

Hall 4A, WSCC

The AIHce Mark of Excellence Breakfast is a celebration of the extraordinary contributions made by members and the volunteer community to the industry and the profession. Celebrate the achievements of each awardee while networking and enjoying a delicious breakfast buffet. *This event is included in your registration, but pre-registration is required.*



NEW!

Final Program

Each attendee receives one copy of the Final Program as part of registration. Additional copies may be distributed on Wednesday, based on availability.

Descriptions of individual sessions may be found in the AIHceEXP 2017 mobile app.

Reading the Final Program

Each session includes:

A1.

This Is the Title of The Session

0:00 AM - 00:00 AM

Room xxxx

Arranger/Moderator/Presenter:
Their Name.

10:00 a.m. - 10:20 a.m.

Presentation Title. Author.

If a session presents both scientific research and case studies, these are individual session titles and panelists confirmed as of April 21, 2017.

These are the session panelists confirmed as of April 21, 2017.

This is the session number. It corresponds to the time block the session is offered in:

- A = Monday; 10:00 AM -11:00 AM
- B = Monday; 11:15 AM -12:15 PM
- C = Monday; 2:00 PM -3:00 PM
- D = Monday; 3:15 PM -4:15 PM
- E = Tuesday; 10:00 AM -11:00 AM
- F = Tuesday; 11:15 AM -12:15 PM
- G = Tuesday; 2:00 PM -3:00 PM
- H = Tuesday; 3:15 PM -4:15 PM
- I = Wednesday; 9:00 AM -10:00 AM
- J = Wednesday; 10:15 AM -11:15 AM
- K = Wednesday; 1:00 PM -2:00 PM

CareerAdvantageTM

Get the edge, and surge ahead.

**The #1
Career Resource
for IH/OH/OEHS
Professionals.**

Join us for the *CareerAdvantage “Building Careers for Life”* Development Fair for a range of events designed for professionals of all levels.

Career Portfolio: The New Professional Development Tool

Monday, June 5, 1:00 PM – 2:00 PM

Presenter: *Isabel Zuclich, CIH, CSP*

A career portfolio is a visual representation of your abilities, skills, capabilities, knowledge and professional qualities. It can represent your potential. Physically, it's a collection of items and documents — tangible materials — that represent work-related events from your professional life, as well as your community involvement. Seminar attendees will gain insight regarding how to organize and prepare a portfolio of accomplishments to support their career success in job-hunting, employee evaluations and promotions.

Let's Get Hired!

Monday, June 5, 2:15 PM – 3:15 PM

Presenters: *Mary Ellen Brennan, SPHR and Bill Nichols, CHMM*

Advice for getting your resume into the hands of the hiring manager, as well as interview etiquette, will be provided to attendees of this interactive seminar. We will discuss the appropriate information to include on your resume, as well as editing and formatting recommendations to highlight key points for hiring and human resources managers. The presentation will also include tips and do's and don'ts that participants can use to beef up their resumes. Additionally, seasoned hiring managers from within the industry will provide their perspective regarding what they look for in a candidate and things that turn them off during an interview.

GO TO:

**Hall 4B on Level 4 of the
Washington State Convention Center.
We'll see you there!**

Mock Interviewing

Tuesday, June 6, 10:00 AM – Noon

See yourself through an employer's eyes when you meet with an experienced hiring manager during a mock interview. You will receive helpful feedback and learn how to make the most effective presentation of skills, abilities, and professionalism. Reserve your slot today by contacting Wanda Barbour at wbarbour@aiha.org to schedule your own personal session.

Speed Networking

Tuesday, June 6, 3:00 PM – 4:00 PM

Build lasting connections with colleagues from all professional levels and industrial settings at this innovative and fun networking event. It's simple! Introduce yourself to a new colleague by spending 5 minutes with them as you try to match what you learn about them with a bingo spot on the “build your network” networking card. Use this opportunity to learn more about them before you move on to your next connection. There will be prizes for the top networkers! Don't forget to bring plenty of business cards for this fun and exciting networking event. Registration starts at 2:45 P.M., or by stopping by *CareerAdvantage* Development Fair Hall 4B, Level 4 any time prior to the event.

Résumé Critiquing

Bring your résumé to the *CareerAdvantage* Development Fair to sign up for your individual résumé critiquing session with an experienced hiring director. You will get helpful feedback directly related to style, length, focus, use of accomplishments, keywords and more.

Monday, June 5

9:00 AM – Noon and 3:15 – 4:00 PM

Tuesday, June 6

9:00 AM – 10:00 AM and 1:00 – 3:00 PM

Wednesday, June 7

9:00 AM – Noon



Student and Young Professional Activities

Students and Early Career Professionals Track

The following technical sessions were assembled for students and those new to the profession:

- **D7: The 8th Habit of Highly Effective Industrial Hygiene Leaders**
Monday, June 5 at 3:15 PM – 4:15 PM, WSCC, 618-620
- **F2: The Sole IH/EHS Professional in Your Organization**
Tuesday, June 6 at 11:15 AM – 12:15 PM, WSCC, 606-607
- **H12: Perspectives on Preparation for the CIH Exam v. 12.0**
Tuesday, June 6 at 3:15 PM – 4:15 PM, WSCC, 303
- **K5: Oh, the Places You'll Go!**
Wednesday, June 7 at 1:00 PM – 2:00 PM, WSCC, 613-614

First Timers' Orientation Breakfast sponsored by DuPont



Monday, June 5, 6:30 AM – 7:30 AM, Sheraton Seattle, Grand Ballroom A

Is this your first time attending AIHce? If so, please join us at the First Timers' Orientation Breakfast to learn how to make your first AIHce your best experience of the year.

SECP Table Topics: Q&A

Monday, June 5, 12:30 PM – 1:30 PM, The Hub, Hall 4B

Topics address issues of specific interest to young industrial hygienists and those new to the profession. Seating is first-come, first-served. The first 25 attendees to appear at this session will receive a discounted voucher for lunch.

- IH Training Opportunities through ERCs
- Career Paths in Industrial Hygiene
- CIH Exam 101
- Field Work and Travel for the Industrial Hygienist
- Networking for the Industrial Hygienist
- Students in Global Industrial Hygiene
- Breaking Down Barriers

Mentoring Program Networking Event sponsored by ABIH



Hosted by the AIHA
Mentoring and Professional Development Committee

Monday, June 5, 6:00 PM – 8:00 PM, FareStart, 700 Virginia Street, Seattle, WA 98101

This invitation-only event is open to all participating members of AIHA's Mentoring Program, as well as individuals interested in being a mentor or having a mentor!

To learn more about the AIHA Mentoring Program, visit the AIHA Mentoring Booth 1136 in the Expo Hall.

SECP Table Topics: Meet Your Volunteer Groups

Tuesday, June 6, 12:30 – 1:30 PM The Hub, Hall 4B

Topics address issues of specific interest to young industrial hygienists and those new to the profession. Seating is first-come, first-served. The first 25 attendees to appear at this session will receive a discounted voucher for lunch.

- Building a Career Portfolio – *Sponsored by the Career and Employment Services Committee*
- Industrial Hygiene in the Oil and Gas Industry – *Sponsored by the Oil and Gas Working Group*
- Communication Etiquette in the Digital Age – *Sponsored by the Communication and Training Methods Committee*
- Top 5 Hazards in the Workplace and Ways to Control Them – *Sponsored by the Hazard Prevention and Engineering Controls Committee*
- Emergency Response and Incident Preparedness for the Young Professional – *Sponsored by the Incident Preparedness and Response Working Group*
- How Mentoring Relationships Can Set You Up for Professional Success – *Sponsored by the Mentoring and Professional Development Committee*

Volunteer Group Meetings

Sunday, June 4 – Wednesday, June 7

Unless otherwise noted, Volunteer Group meetings are open to everyone. Over the course of four days, more than 47 volunteer groups will meet to discuss a variety of technical and non-technical topics, including many that address the specific needs of IH students and young professionals. Check the AIHce mobile app for a complete list of all AIHA Volunteer Groups meeting this week. A couple of groups focused specifically on the needs of students and early career professionals are below:

- **Mentoring and Professional Development Committee Meeting**
Tuesday, June 6, 4:30 PM – 6:30 PM, Sheraton Seattle, Willow B
- **Students and Early Career Professionals Committee Meeting**
Wednesday, June 7, 3:30 PM – 5:30 PM, Sheraton Seattle, Aspen Room

Student Local Sections Council Business Meeting

Tuesday, June 6, 11:00 AM – 12:15 PM, WSCC, 3A

Expand your network and join the conversation! This is your opportunity to meet student local section officers and members, learn about the role of student local sections, and share best practices. Anyone interested in creating a student local section is invited to attend.

27th Annual Student Poster Session

Wednesday, June 7, 9:00 AM – 10:00 AM, The Hub, Hall 4B

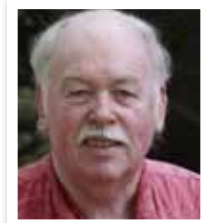
Check out the scientific findings of your peers! Students will be on hand to discuss their research methods and results. Two posters will be selected "Best of Session."

Awards given by AIHA Volunteer Groups will be presented on Wednesday morning at the Mark of Excellence Breakfast.

Awards and Recognition

2017 AIHA® Awards

Edward J. Baier Technical Achievement Award



This award is given to the individual or group of individuals, company, organization, or association that has made the most significant contribution to industrial hygiene in recent years through technical expertise, innovations, or scientific advancement. The 2017 recipient is **Dr. John "Jack" N. Driscoll, ACSF**. As an innovator in the

development of a photoionization detector (PID) for gas chromatography, Driscoll quickly recognized the potential to use PID technology in a stand-alone detector in the 1970s. He was the first to recognize and develop the potential of PID technology for the betterment of the IH profession, and more importantly for worker safety. Driscoll's innovations and far-sighted development of PID technologies have led to a transformation in real-time detection tools used by the IH profession. He has also had a tremendous impact on a diverse range of other scientific disciplines. He is a member of the AIHA New England Local Section and the AIHA Environmental SIG as well as a corresponding member of the AIHA Real Time Detection Systems Committee.

Distinguished Service Award



This award recognizes distinguished service in the advancement of industrial hygiene, unique technical contributions to the aims and goals of AIHA®, proven leadership in the industrial/occupational hygiene profession, influence on public policy or social reform, or public and community service. The 2017 recipient is **Gayla J. McCluskey, CIH, CSP, ROH, QEP, FAIHA**. McCluskey has

contributed throughout her career to the practice of the profession through inspirational leadership, strong strategic thinking skills, an ability to develop effective consensus on contentious issues, and an ability to "get the job done" in her role in numerous professional leadership positions. She has been a key player and a driving force in the development of occupational safety and health policy and in the development of practice guidelines.

McCluskey is an AIHA Fellow and former president of the AIHA Board; chair of the Academy of Industrial Hygiene Council, and chair of the AIHA Finance Committee. She also served as the board coordinator for a number of AIHA Volunteer Groups, including the Communication and Training Methods Committee, Legal Issues Committee, Management Committee, Emerging Issues Committee, and the Career and Employment Services Committee.

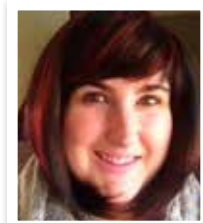
Donald E. Cummings Memorial Award



This award is bestowed upon an individual who has made outstanding contributions to the knowledge and practice of industrial hygiene and who has been acknowledged for his or her contributions outside of the field of industrial hygiene. The recipient presents the Cummings Memorial Lecture at AIHce. The 2017 recipient is **Steve M. Hays, PE, CIH, FACEC, QEP, FAIHA**. Hays, Partner and Chairman of the Board,

Gobbell Hays Partners, Inc. (GHP), is the driving force behind the firm's development as a recognized leader in dealing with hazards in the built environment. His background in the chemical industry, his certification as an industrial hygienist, and his knowledge of building systems give him unique expertise in providing consulting services related to environmental hazards. He has been a leading figure in the arena of industrial hygiene since the early 1980s, and his work has bridged the gap between industrial hygiene and sound engineering practices. Hays is an AIHA Fellow, a member of the AIHA Green Building Working Group, and the former chair of the Indoor Environmental Quality Committee. He is also a member of the AIHA Middle Tennessee Local Section.

Kusnetz Award



This award honors a certified industrial hygienist who has not reached his or her 40th birthday by May 1 of the year in which the award is presented; who is currently employed in the private sector; who by exhibiting high ethical standards and technical abilities, has provided for the highest standards of health and safety protection for employees for whom he or she is re-

sponsible; and who shows promise of leadership in the industrial hygiene profession. The 2017 recipient is **Melissa Rupert, CIH, MS**. Rupert's impressive leadership abilities have always driven change within AIHA volunteer community. From her time leading the Mentoring Committee to her recent leadership of the Students and Early Career Professionals Committee, she has shown that her abilities to develop others while meeting new challenges are undeniable. Her leadership of the Mentoring and Professional Development Committee was instrumental in developing the AIHA Mentoring Program that exists today. Her vision and ability to lead others have helped countless individuals in their career growth through the mentoring program. Rupert is the current chair of the AIH Foundation Donor Relations and Fundraising Committee and the AIHA Students and Early Career Professionals Committee. She is also a member of the AIHA Ohio Valley Local Section.

Alice Hamilton Award



This award is presented to an outstanding woman who has made a definitive, lasting achievement in the field of occupational and environmental hygiene through public and community service, social reform, technological innovation, or advancements in the scientific approach to the recognition, evaluation, and control of workplace hazards.

The 2017 recipient is **Thea D. Dunmire,**

JD, CIH, CSP. Dunmire has demonstrated commitment to worker health and safety through her endless devotion to the consensus standard process in management systems. In mid to late 2000, her leadership and management were instrumental in revising and enhancing OHSAS 18001/2. Later she served as a member of the U.S. Technical Advisory Group to Technical Committee 207 in support of the International Standards Organization's (ISO) efforts to revise ISO 14001, ISO 19011, and most recently, ISO 45001, *Occupational Health and Safety Management Systems – Requirements*. Dunmire recognizes that the global corporate world needs to effectively manage risk, and that having harmonized and unified

MARK of EXCELLENCE AWARDS

Congratulations to our 2017 Award recipients for their enduring professional dedication. All will be honored during the AIHce 2017 Mark of Excellence Breakfast on Wednesday, June 6, 7:00 AM in Hall 4A.

management systems supports these efforts. She is chair of the AIHA EHSMS Task Force, a member of the AIHA Standards Advisory Group, and a member of the AIHA Management Committee. She is also a member of the AIHA Florida Local Section.

William P. Yant Award

This award is presented annually to an individual residing outside the United States for outstanding contributions in industrial hygiene or allied fields. The 2017 recipient is **Dr. W.F.J.P.M. (Wil) ten Berge, PhD.** Dr. ten Berge's work has clearly changed the science and analysis surrounding dermal absorption, a key factor in human health assessment and impact. The industrial hygiene exposure paradigm—inhalation, ingestion, dermal absorption and injection—are traditionally recognized uptake pathways.



Dermal absorption is, in general, less well quantitatively addressed historically in IH assessments than is inhalation. The "anticipation" part of preventing adverse effects from dermal exposure has not been supported by adequate qualitative or quantitative assessment tools. Around 1995, Dr. ten Berge developed and provided a publicly available assessment tool called SkinPerm, which has been updated several times since then. SkinPerm has a number of innovations in dermal modeling and is the only tool available that we are aware of that presents an estimation model of the air-to-skin-to-systemic circulation dose presented from airborne concentrations that are not inhaled. Dr. ten Berge has been an incredibly generous colleague, offering all of the modeling program source codes he has developed over the years to anyone wishing to use them in other software platforms. Over the last several years, Dr. ten Berge volunteered and collaborated with a Dermal Exposure Team sponsored by the AIHA Exposure Assessment Strategies Committee to refine the SkinPerm model's ease of use and data presentation, resulting in the AIHA product "IH SkinPerm." His innovations and contributions to this model development are extraordinary.

2017 AIHA Fellow Award Winners

Members chosen to be Fellows were nominated by colleagues in the profession for their significant contributions to the practice of industrial hygiene or related disciplines. The Fellow classification is limited to no more than 5 percent of the AIHA membership.

- Dianne Grote Adams, CIH, CSP, CPEA
- T. Renee Anthony, PhD, CIH, CSP
- John Baker, CIH
- Catherine C. Bobenhausen, CIH, CSP
- Steven Eugene Guffey, PhD, CIH
- Laura Hodson, CIH
- James H. Jones, CIH
- Michael D. Larrañaga, PhD, PE, CIH, CSP
- Christine A.D. Lorenzo, CIH
- Charles R. Manning, PhD, CIH
- Jerome E. Spear, CSP, CIH
- David A. Sterling, PhD, CIH, ROH
- Bonnie L. Weeks, CIH
- John N. Zey, CIH

President's Award

This award is presented annually to an individual, task force, special interest group, or local section for outstanding contributions to efforts to achieve the mission of AIHA® during the presidency year. Kept secret until conference, the award winner will be announced and honored at the Mark of Excellence Breakfast on Wednesday, June 7.

2017 ACGIH® Awards

Meritorious Achievement Award



This award is given to members of ACGIH® who have made an outstanding, long-term contribution to the progress of occupational health and environmental hygiene. The recipient of this year's award is **J. Torey Nalbone, PhD, CIH.** Dr. Nalbone is Associate Professor and Chair of the Departments of Civil & Environmental Engineering and Construction Management at the University of Texas at Tyler. Dr. Nalbone became a member of ACGIH® in 1986. He began his service as Chair of the Agricultural Safety and Health and Bioaerosols Committees. He became a member of the ACGIH® Board of Directors in 2012 and served as Chair in 2014 and 2015. After coming off the Board, Dr. Nalbone continued his service as Chair of the new Communication, Education and Outreach (CEO) Committee and became a member of the Industrial Ventilation Committee. Board-certified since 1993, he served as Chair of the American Board of Industrial Hygiene from 2010-2012. Dr. Nalbone is a member of numerous professional associations. He is a diplomat of the Academy of Industrial Hygiene, an associate member of the American Society of Civil Engineering, a member of the International Society for Exposure Science, an affiliate member of the International Occupational Hygiene Association, member of the Air and Waste Management Association (formerly Air Pollution Control Association), member of AIHA and its Gulf Coast and North Texas Local Sections, and full member of the American Society of Testing Materials. Dr. Nalbone has given many conference presentations, workshops, and training courses, and has authored papers and book chapters on a wide range of occupational and environmental health topics. Over the last eight years, he has been dedicated to education programs and their improvement in IH education and currently serves on the Applied Science Accreditation Commission of ABET and as Vice Chair of Operations. The award will be announced at the ACGIH® Membership Reception and Annual Meeting on Sunday, at the AIHce Opening Session on Monday, and presented at the Mark of Excellence Breakfast on Wednesday.

William Steiger Memorial Award



This award honors individuals from the social/political sphere whose efforts have contributed to advancements in occupational health and safety. This year's recipient is **U.S. Senator Sherrod Brown.** Since January 2007, Senator Brown – a champion of middle-class families in the Senate – has held more than 300 community roundtables across Ohio's 88 counties with students, local leaders and business owners, en-

Awards and Recognition

trepreneurs and educators, workers, and families to find ways to strengthen our economy. In the Senate, Senator Brown has led the fight to support government agencies that promote workplace safety. He has led his colleagues in pushing for full funding for the Occupational Safety and Health Administration (OSHA), and has supported legislation to expand the number of workers OSHA covers and update its enforcement measures. Senator Brown also secured \$110 million in federal resources for Cincinnati's National Institute for Occupational Safety and Health (NIOSH) campus. He repeatedly pressed the Obama Administration to prioritize funding for this important agency, and the resources he secured will help NIOSH, which employs nearly 550 Ohioans, consolidate its Cincinnati research facilities into one central location to improve and enhance scientific collaboration. These are critical investments for workers and workplace safety. Senator Brown is unable to attend, but the award will be announced at the ACGIH® Membership Reception and Annual Meeting on Sunday, at the AIHce Opening Session on Monday, and at the Mark of Excellence Breakfast on Wednesday.

Herbert E. Stokinger Award



This award is given each year to an individual who has made a significant contribution in the broad field of industrial and environmental toxicology. This year's recipient is **John Cocker, PhD**. Dr. Cocker is a Fellow at the U.K. Health & Safety Laboratory. He has 43 years of experience in biological monitoring and more than 100 peer-reviewed publications. In 1973, he began

working for the U.K. Employment Medical Advisory Service analyzing blood samples for lead. In 1974, the laboratory became the Occupational Medicine and Hygiene Laboratory, part of the newly formed U.K. Health & Safety Executive. Dr. Cocker was awarded an MSc in General Biochemistry from the University of London in 1976. After a period in the drug metabolism department of a pharmaceutical company, Dr. Cocker returned to the Occupational Medicine and Hygiene Laboratory to research the metabolism and elimination of industrial aromatic amines and was awarded a PhD from the Royal Postgraduate Medical School, University of London in 1988. From then until his partial retirement in 2013, he led a biological monitoring team of 7-9 graduate and postgraduate students developing and applying new biological monitoring methods and conducting volunteer and workplace studies. Dr. Cocker became a member of ACGIH® in 2000 and joined the Biological Exposure Indices (BEI®) Committee. Dr. Cocker was appointed to the European Scientific Committee on Occupational Exposure Limits in 2015. He is also a member of the British Occupational Hygiene Society and is an occasional advisor to the World Health Organization. Dr. Cocker is an assistant editor for the *Annals of Work Exposures and Health* (formerly the *Annals of Occupational Hygiene*) and a passionate advocate of biological monitoring. This award will be announced at the ACGIH® Membership Reception and Annual Meeting on Sunday, at the AIHce Opening Session on Monday, and presented at the Stokinger Lecture on Monday and the Mark of Excellence Breakfast on Wednesday.

John J. Bloomfield Award



This award is presented to a young industrial hygienist who pursues the problem of occupational health hazards primarily by doing fieldwork, and who demonstrates significant contribution to the profession. This year's recipient is **Lucinette Alvarado, MS, CIH**. Alvarado earned a Bachelor of Science degree in General Sciences and a Master of Science degree in Industrial Hygiene from

the University of Puerto Rico. Alvarado is a board-certified industrial hygienist in comprehensive practice. She currently works as an industrial hygienist in the Product Safety and Regulatory Affairs group at Covestro LLC in Pittsburgh, Pa., conducting industrial hygiene surveys and safe use and handling presentations at customer facilities; interpreting industrial hygiene monitoring results; and making recommendations to customers. Alvarado became a member of ACGIH® in 2014 and is a member of the ACGIH® Industrial Ventilation Committee. She is currently working on a project to provide an industrial ventilation course for the Latin American community. She brings her passion to this project and hopes to help ACGIH® successfully launch this course in Latin America in the coming years. The course will be located in the Southern Hemisphere as a part of ACGIH®'s outreach program. Mrs. Alvarado is also a member of AIHA. As the Director of Communications of AIHA's Minority Special Interest Group (SIG), Alvarado provides information to Minority SIG members about activities and issues pertaining to the objectives of the Minority SIG. The communications committee publishes and distributes a quarterly newsletter. The award will be announced at the ACGIH® Membership Reception and Annual Meeting on Sunday, at the AIHce Opening Session on Monday, and presented at the Mark of Excellence Breakfast on Wednesday.

Robert T. Hughes Memorial Award



This award was established in 2015 and recognizes outstanding individuals in the field of industrial ventilation. This year's Hughes Award recipient is **Thomas Godbey**. Godbey retired from Donaldson Company, Inc. where he was a Senior Applications Engineer in the Industrial Air Filtration Group and Engineering Consulting Manager. His areas of expertise include fabric filtration,

filtration of high temperature air with chemistry, explosion venting, and process integration, including more than 40 years in the dust collection industry. Godbey earned a Bachelor of Science degree in Agricultural Engineering from the University of Kentucky in 1967. He has served on the ACGIH® Industrial Ventilation Committee as a consultant since 2016. Godbey has been affiliated with numerous organizations, including ASHRAE TC 5.4, American Filtration Society, NFPA, Association of Iron and Steel Technology, American Ceramic Society, Portland Cement Association, GEAPS, and the American Foundryman's Society (former Chair of Clean Air Committee). He has been an instructor for Industrial Ventilation Conferences at Michigan State University, North Carolina State University, UNLV, UAB, and the University of Connecticut for over 40 years. Mr. Godbey has authored articles for numerous professional and trade journals and lectured at many trade events and

Awards and Recognition

conferences. Mr. Godbey is unable to attend, but the award will be announced at the ACGIH® Membership Reception and Annual Meeting on Sunday, at the AIHce Opening Session on Monday, and at the Mark of Excellence Breakfast on Wednesday.

AIHA Volunteer Groups

Lila Albin Award

Since 1997, the AIHA® Indoor Environmental Quality (IEQ) Committee has evaluated journal articles and would recognize one each year. The paper must: (a) be peer reviewed and published in the *Journal of Occupational and Environmental Hygiene*; (b) provide practical information and expand knowledge base of IEQ professionals; (c) address a critical IEQ issue; and (d) present the topic clearly and engagingly. In 2012, the award was renamed in honor of a former Chair of the IEQ Committee, the late Lila Albin, PhD. This year's recipient will be **Patrick Steidle** for "Characterization of Emissions from a Desktop 3D Printer and Indoor Air Measurements in Office Settings" in the *Journal of Occupational and Environmental Hygiene*, Volume 13, No. 2, pages 121-132.

Rachel Carson Award

The AIHA® Environmental Issues Committee bestows this highest honor to **Dr. Michael G. Yost**, in recognition of his environmental advocacy in the spirit of Rachel Carson. This award is bestowed upon an environmental health and safety professional who has attained outstanding success and distinction in their environmental and industrial health and safety business, profession, or life's work.

Chaffin Award

The AIHA® Ergonomics Committee presents the Chaffin Award to recognize excellence in the field of ergonomics and encourage conference participation. The award, established in 2008, honors Dr. Donald B. Chaffin's many contributions to the field of ergonomics and to AIHA. The award will be presented to an individual for his/her Best Ergonomic Technical Presentation at conference this year.

Rochelle Crew Memorial Award

This award is given by the AIHA® Construction Committee to honor the memory of Rochelle Crew, a former member of the committee and long-time construction safety PDC instructor. The award is given to the best construction-related presentation at AIHce.

H. Kenneth Dillion Memorial Award

This award is present by the AIHA® Biosafety and Environmental Microbiology Committee to honor the memory of Dr. Ken Dillon, a former AIHA Fellow and the principal instructor for several years of the popular PDC "Prevention, Determination, and Remediation of Biological Contamination in Indoor Environments." The award is given to the best student poster presented at AIHce on biosafety or microbiology. This year's recipient will be recognized at Wednesday's Mark of Excellence Breakfast.

Donna Doganiero Award

The AIHA® Safety Committee presents this award to the presenter of the Best Safety-Related Technical Session at AIHce. The Safety Committee bestows this award in the name of Donna Doganiero, a truly outstanding individual, to recognize her achievements and vision in continuing to move the field of industrial safety and hygiene forward.

The Golden Seed Award

The AIHA® Students and Early Career Professionals Committee established this award in 2007. It is presented to an individual who has demonstrated a commitment to promoting industrial hygiene and/or provided guidance and mentoring to students or early career professionals. This award will be presented at the Mark of Excellence Breakfast to **Ralph W. Rogers, CIH**.

Hazard Prevention and Engineering Controls Best Paper

This award is given out by the AIHA® Hazard Prevention and Engineering Controls Committee to the best paper that focuses on the use of engineering principles for the prevention and control of health hazards. The awardee is selected by a committee of peers from papers published in *The Journal of Occupational and Environmental Hygiene* during the calendar year (January–December 2016) preceding the conference. This year's recipients are **Katelyn C. Jelden, Shawn G. Gibbs, Philip W. Smith, Angela L. Hewlett, Peter C. Iwen, Kendra K. Schmid and John J. Lowe**, "Comparison of Hospital Room Surface Disinfection Using a Novel Ultraviolet Germicidal Irradiation (UVGI) Generator", 13:9, 690-698.

Margaret Samways Memorial Student Poster Award

This award honors the memory of Margaret Samways, past chair and long-time member of the AIHA® Communication and Training Methods Committee. The award will be presented on Wednesday at the Mark of Excellence Breakfast with other best student poster recipients.

David L. Swift Memorial Award

This award honors the memory of Dr. David L. Swift, professor at the Johns Hopkins University, for his outstanding contributions to aerosol and industrial hygiene research. Aerosol research papers published during the previous year in the *Journal of Occupational and Environmental Hygiene* (JOEH) are reviewed by the AIHA® Aerosol Technology Committee. This year's award is presented to **T. Renee Anthony, Darrah Sleeth, and John Volckens** for their paper "Sampling Efficiency of Modified 37-mm Sampling Cassettes Using Computational Fluid Dynamics," JOEH, 13:2, 148-158.

Upton Sinclair Memorial Lecture Award

The Upton Sinclair Memorial Lecture on EHS Investigative Reporting is hosted by the AIHA® Social Concerns Committee. Journalist **Howard Berkes** from NPR will discuss his exposé "Advanced Black Lung Cases Surge in Appalachia" at AIHce on Tuesday, June 6, from 10:00 – 11:00 a.m.

Awards and Recognition

John M. White Award

The John M. White Award was established by the AIHA® Respiratory Protection Committee to encourage scientific and application-oriented research in respiratory protection. This year's award goes to **Ziqing Zhuang, Michael Bergman, Elizabeth Brochu, Andrew Palmiero, George Niezgoda, Xinjian He, Raymond Roberge and Ronald Shaffer** (2016) Temporal changes in filtering-facepiece respirator fit, *Journal of Occupational and Environmental Hygiene*, 13:4, 265-274.

2016 AIHA® Bestseller

This award is presented to the editor of the publication that sold the most copies during the year. The 2016 Bestseller is presented to **Daniel H. Anna**, the editor of *The Occupational Environment: Its Evaluation, Control, and Management*, 3rd edition. In 2016, AIHA® sold 430 copies of this publication. This award will be presented at the Mark of Excellence Breakfast.

2016 Critics' Choice Award and 2016 Breakout Bestseller Award

The Critics' Choice Award honors a publication completed in 2016 and is evaluated by members of the AIHA® Publications Committee. The committee selects publications based on their impact on the profession, originality, and quality of writing. This year's

recipient is **Ellen C. Gunderson**, the editor of *The IAQ Investigator's Guide*, 3rd edition. Additionally, *The IAQ Investigator's Guide*, 3rd edition, is also the recipient of the 2016 Breakout Bestseller Award. This award is presented to the editor of a publication completed in 2016 that was newly added to the AIHA Bestseller list. These awards will also be presented at the Mark of Excellence Breakfast.

AIHA Local Section Awards

Michigan Industrial Hygiene Society Best Paper Award

The Michigan Industrial Hygiene Society Best Paper Award was established by MIHS in 1957 for recognition of an outstanding publication in the *American Industrial Hygiene Association Journal*. In 1989, the MIHS Board of Directors voted to also recognize the authors of the best paper in applied industrial hygiene from the *Applied Occupational and Environmental Hygiene Journal*. Both journals combined in 2004 to form the current *Journal of Occupational and Environmental Hygiene* (JOEH). MIHS continues to present a Best Paper Award each year. This year's winners are **K.K. Brown, P.B. Shaw, K.R. Mead, R.J. Kovein, R.T. Voorhees, and A.R. Brandes** for their article "Development of the Chemical Exposure Monitor with Indoor Positioning (CEMWIP) for Workplace VOC Surveys," JOEH, 13:6, 401-412.

Recognition for Your Great Achievements...



Donna Doganiero, CIH
Lifetime Achievement Award



Nicole Greeson, CIH
Impact Award

This year, the American Board of Industrial Hygiene® (ABIH®) will recognize the professional accomplishments of two outstanding Certified Industrial Hygienists® by presenting them with the Lynn C. O'Donnell Lifetime Achievement Award, the highest honor given by ABIH for exemplary contributions to the practice of occupational and environmental hygiene culminating over a lifetime of work, and the ABIH Impact Award, given for making a major contribution to the practice of occupational and environmental hygiene.

Please join us for the ABIH Forum on Wednesday, Juneth from 1:00 to 2:00 PM at the AIHce meeting in Seattle, WA where we will celebrate and thank these remarkable professionals, and be sure to visit the ABIH booth at the AIHce Expo.



Request your free consultation on how to begin your own journey to success by becoming a Certified Industrial Hygienist®.

Contact us at (517) 321-2638 or abih@abih.org

As the premier credentialing organization for professions based on the science of protecting and enhancing the health, safety, and environment of people at work and in their communities, ABIH® serves its credentialed practitioners by establishing and administering a valid, reliable, and rigorous credentialing process to protect the public and meet the needs of employers.



Accredited labs. Solid data. Safer world.

New Laboratory Testing Track

The Laboratory Testing Track at AIHce is a selection of professional development courses, education courses and sessions developed for laboratory personnel and persons interested in improving their knowledge of laboratory testing and analysis.

Monday, June 5

B6: Biological Monitoring Methods

11:15 AM-12:15 PM Room: 615, 616, 617

C4: Sampling, Analytical Methodology and Testing, Part 1

2:00 PM-3:00 PM Room: 611, 612

D4: Sampling, Analytical Methodology and Testing, Part 2

3:15 PM-4:15 PM Room: 611, 612

Tuesday, June 6

E15: Operational and Strategic Planning in Laboratories, Part 1

10:00 AM-11:00 AM Room: 401

F10: Lead, Legionella, and Disinfectant By-Products in the Flint Water Crisis

11:15 AM-12:15 PM Room: Ballroom 6C

F15: Operational and Strategic Planning in Laboratories, Part 2

11:15 AM-12:15 PM Room: 401

G9: Current Advances in Sampling Methods

2:00 PM-3:00 PM Room: Ballroom 6B

G15: Operational and Strategic Planning in Laboratories, Part 3

2:00 PM-3:00 PM Room: 401

H15: Operational and Strategic Planning in Laboratories, Part 4

3:15 PM-4:15 PM Room: 401

Wednesday, June 7

I3: International Laboratory Standards of Practice

9:00 AM-10:00 AM Room: 608, 609

I13: Measuring Total Petroleum Hydrocarbon (TPH) Exposures

9:00 AM-10:00 AM Room: 307, 308

J6: Allergenic Biomolecules in Workplace and Home Environments

10:15 AM-11:15 AM Room: 615, 616, 617

K10: Nanoparticle and Diffusive Sampling

1:00 PM-2:00 PM Room: Ballroom 6C



www.aihaaccreditedlabs.org

Professional Development Courses

PDCs require a separate registration and fee. Courses can be a half day, one day, or two days in length.

Saturday, June 3

- PDC 103: Practical Applications of Useful OEHs Equations
- PDC 105: Strengthening EHS Leadership and Teamwork
- PDC 107: Exposure Judgment: Improving Inhalation Assessments
- PDC 108: Laboratory Hood and Exhaust Ventilation: Ensure You Are Prepared to Help Design, Select, Operate and Manage Different Systems

- PDC 109: An IH Introduction to Environmental Rules & Regulations
- PDC 110: Noise Exposure Assessment: Sampling Strategy & Data Acquisition
- PDC 111: Theory and Application of the 4 Gas/PID Sensor Technology
- PDC 205: Redbook Overview: Guidelines for Hazard Evaluation Procedures
- PDC 302: Implementing a Water Management Plan to Control Legionella in Building Water Systems
- PDC 303: Death To Death By PowerPoint: Highly Effective Training Through Storytelling

Sunday, June 4

- PDC 404: Methods and Applications for Chemical Detection in Real Time
- PDC 406: 8 Ways to Improve Your Workplace Injury Prevention & Management IQ
- PDC 408: Tools for Compliance with the OSHA Silica Standard
- PDC 502: Nanotechnology: Old Theories and New Concepts
- PDC 601: How to Assess and Manage Nanomaterial Risks
- PDC 602: Exposure Monitoring for VOCs, Utilizing Thermal Desorption Tubes, Both Passively and Actively

- PDC 603: Scanning for Safety: How to Recognize Hazards

Thursday, June 8

- PDC 801: Risk Assessment Boot Camp for IHS: Asbestos, Silica, Metals & Organic Compounds
- PDC 805: Practical Application of Whole Air Sampling
- PDC 901: Practical Approaches to Troubleshooting Common Ventilation Complaints and Problems
- PDC 902: Risk Assessment During An Incident Response



Friday/Saturday At-a-Glance

As of April 14, 2017

Friday, June 2

3:00 PM – 4:00 PM

- Speaker Ready Room, [604](#)

5:00 PM – 7:00 PM

- Registration, [Atrium Lobby](#)

Saturday, June 3



7:00 AM – 7:30 AM



- PDC Monitor Meeting, [604](#)

7:00 AM – 5:30 PM




- Registration, [Atrium Lobby](#)
- Speaker Ready Room, [604](#)



8:00 AM – Noon

-  PDC 201: Anticipation & Recognition of Non-ionizing Radiation Hazards in the Workplace, [310](#)
-  PDC 202: Ebola & Other Infectious Diseases of Public Health Significance for the IH, [3A](#)

- PDC 203: Introduction to the Recognition, Evaluation and Control of Legionella in Building Water Systems, [2B](#)
-  PDC 204: Climate Change and Occupational Health: A Global Problem with Real Impacts, [308](#)
-  PDC 205: Redbook Overview: Guidelines for Hazard Evaluation Procedures, [2A](#)

8:00 AM – 5:00 PM

-  PDC 101: Electrical Safety I: Basic Principles & Engineering Controls, [211](#)
-  PDC 102: Transportation of Dangerous Goods, [214](#)
- PDC 103: Practical Applications of Useful OEHS Equations, [205](#)
- PDC 105: Strengthening EHS Leadership and Teamwork, [303](#)
-  PDC 106: Management of Health Hazard Exposures in Construction, [201](#)

- PDC 107: Exposure Judgment: Improving Inhalation Assessments, [204](#)
- PDC 108: Laboratory Hood and Exhaust Ventilation: Ensure You Are Prepared to Help Design, Select, Operate and Manage Different Systems, [213](#)
- PDC 109: An IH Introduction to Environmental Rules & Regulations, [203](#)
- PDC 110: Noise Exposure Assessment: Sampling Strategy & Data Acquisition, [212](#)
- PDC 111: Theory and Application of the 4 Gas/PID Sensor Technology, [305](#)
-  PDC 112: The Fundamentals of an Effective Respirator Program, [309](#)
- PDC 113: 'The Worst Plant' — A Virtual H&S Audit, [307](#)
- PDC 701: Exposure Assessment Strategy & Statistics For Managing Occupational Exposures, [3B](#)
-  PDC 702: Application of Industrial Hygiene in an Emergency Response, [401](#)
- PDC 703: OHS Management System Auditor, [304](#)
- PDC 704: Registry Preparation: SDS and Label Authoring, [306](#)

8:30 AM – 5:00 PM

- Analytical Accreditation Board (AAB) Meeting (by invitation only), [Sheraton Seattle, Redwood A](#)




9:00 AM – 5:00 PM

- IOHA Board Meeting (by invitation only), [Sheraton Seattle, Jefferson A&B](#)

Noon - 1:00 PM

- PDC Lunches, [Ballroom 6E](#)

1:00 PM – 5:00 PM

- PDC 302: Implementing a Water Management Plan to Control Legionella in Building Water Systems, [2B](#)
-  PDC 303: Death To Death By Powerpoint: Highly Effective Training Through Storytelling, [310](#)
-  PDC 304: Comparative Ethics, [3A](#)
-  PDC 305: Redbook Hazards Analysis Techniques: What-If/Checklist from Guidelines for Hazard Evaluation Procedures, [2A](#)

5:00 PM – 5:30 PM

- OHTA Annual General Meeting (by invitation only), [Sheraton Seattle, Jefferson A&B](#)



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VISIT US IN BOOTH #1210

Events take place at the Washington State Convention Center, unless otherwise noted.

Sunday At-a-Glance

As of April 14, 2017

Sunday, June 4

7:00 AM – 7:30 AM

- PDC Monitor Meeting, [604](#)



7:00 AM – 5:30 PM

- Speaker Ready Room, [604](#)

7:00 AM – 7:00 PM

- Registration, [Atrium Lobby](#)

8:00 AM – Noon

- PDC 501: The Ethics of Workplace Violence: Understanding the Problem and Creating Solutions, [213](#)
- PDC 502: Nanotechnology: Old Theories and New Concepts, [204](#)
-  PDC 503: Flood Disaster Response and Resiliency, [309](#)
-  PDC 504: Prevention through Design (PtD): Actually DO it!, [303](#)

8:00 AM – 4:00 PM

- ACGIH Board of Directors Meeting (by invitation only), [Sheraton Seattle, Alki Board Room](#)

8:00 AM – 5:00 PM

- PDC 401: Electrical Safety II: Energized Work Practices/Arc Flash/NFPA 70E, [211](#)
- PDC 402: Welding: Identifying Exposures and Controls, [203](#)
- PDC 403: Advanced Topics in Exposure Control Ventilation, [28](#)
- PDC 404: Methods and Applications for Chemical Detection in Real Time, [214](#)
-  PDC 405: Confined Spaces 2017: Utilizing Regulations and Consensus Standards Used to Ensure Safe Entry, [212](#)
- PDC 406: 8 Ways to Improve Your Workplace Injury Prevention & Management IQ, [201](#)
-  PDC 408: Tools for Compliance with the OSHA Silica Standard, [310](#)
-  PDC 409: Legal Issues & Exposures in Your IH Practice, [34](#)
-  PDC 410: Basic Building Blocks of Biosafety, [205](#)
- PDC 411: Question About Past Exposure in Your Facility? Got it! Exposure Reconstruction: Tools for Assessing Past Exposures, [24](#)
- PDC 412: Ergonomics Assessment Tools and Techniques for the Practitioner, [308](#)
- PDC 413: Noise Control Engineering, [307](#)
- PDC 701: Exposure Assessment Strategy & Statistics For Managing Occupational Exposures, [38](#)
-  PDC 702: Application of Industrial Hygiene in an Emergency Response, [401](#)

- PDC 703: OHS Management System Auditor, [304](#)
- PDC 704: Registry Preparation: SDS and Label Authoring, [306](#)



8:30 AM – 5:00 PM

- AIHA Board of Directors Meeting, [Sheraton Seattle, Jefferson A&B](#)

Noon – 1:00 PM

- PDC Lunches, [Ballroom 6E](#)

1:00 PM – 5:00 PM

- PDC 601: How to Assess and Manage Nanomaterial Risks, [204](#)
-  PDC 602: Exposure Monitoring for VOCs, Utilizing Thermal Desorption Tubes, Both Passively and Actively, [309](#)
- PDC 603: Scanning for Safety: How to Recognize Hazards, [213](#)
-  PDC 604: Information & Causation for Health Risk Assessment, [303](#)

3:00 PM – 5:00 PM

- Oil and Gas Working Group, [Sheraton Seattle, Aspen Room](#)

5:00 PM – 6:30 PM

- Ionizing Radiation Committee, [Sheraton Seattle, Willow A](#)

5:00 PM – 7:00 PM

- Academic Accreditation Committee, [Sheraton Seattle, Diamond](#)
- Biological Monitoring Committee, [Sheraton Seattle, Leschi](#)

- Computer Applications Committee, [Sheraton Seattle, Ballard](#)
- Construction Committee, [Sheraton Seattle, Willow B](#)
- Healthcare Working Group, [Sheraton Seattle, Redwood A&B](#)
- International Affairs Committee, [Sheraton Seattle, Cedar A&B](#)

5:30 PM – 7:00 PM

- ACGIH Membership Reception and Annual Meeting of the Membership, [Sheraton Seattle, Metropolitan Ballroom A](#)

5:30 PM – 7:30 PM

- AIHF Donor Reception (by invitation only), [FareStreet, 700 Virginia Street, Seattle, WA 98101](#)

6:00 PM – 7:00 PM

- Aerosol Technology Committee, [Sheraton Seattle, Madrona Room](#)
- Environmental Special Interest Group, [Sheraton Seattle, Kirkland](#)
- Indoor Environmental Quality (IEQ) Special Interest Group, [Sheraton Seattle, Aspen Room](#)
- Occupational and Environmental Medicine Committee, [Sheraton Seattle, Juniper Room](#)



7:00 PM – 9:00 PM

- AIHce Social, sponsored by Chemwatch, [Sheraton Seattle, Grand Ballroom A-D](#)



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Monday At-a-Glance

As of April 14, 2017

MONDAY

Monday, June 5

6:30 AM - 7:30 AM

- AIHA State of Affairs Volunteer Breakfast (by invitation only), *Sheraton Seattle, Grand Ballroom C*
- Early Riser Session 1: Optimizing Occupational Health Performance in Contracts, *Sheraton Seattle, Cirrus Ballroom*
- First Timers' Orientation Breakfast sponsored by DuPont, *Sheraton Seattle, Grand Ballroom A*

7:00 AM - 5:30 PM

- Registration, *Atrium Lobby*

8:00 AM - 9:30 AM



Opening Session
Life in the Form of a Question
Ken Jennings
Hall 4A

8:00 AM - 4:00 PM

- Speaker Ready Room, *604*

9:00 AM - 12:00 PM

- Resume Critiquing, *Hub Area 2 - CareerAdvantage Development Fair*

9:00 AM - 5:30 PM

Exhibit Hall Open

Hall 4EF

Passport to Prizes, Lounges, Expo Learning Pavilions, Special Displays, Concessions

9:30 AM - 9:55 AM

- How to Deliver a Safety Matters Presentation, *Hub Area 1A - AIHA Education*
- Yoga Session 1, *Hub Area 1B - Health & Wellness*

9:35 AM - 10:00 AM

- Kanomax New Handheld Particle Counter for Environmental Testing, *Learning Pavilion 1, Exhibit Hall 4EF*
- The Impact of Real-Time Data Acquisition on Regulatory Compliance, *Learning Pavilion 2, Exhibit Hall 4EF*

10:00 AM - 10:25 AM

- Government Relations and You, *Hub Area 1A - AIHA Education*
- Power and Empowerment: Visualize and Realize Success, *Hub Area 1B - Health & Wellness*

10:00 AM - 11:00 AM

- A1: Topics in Safety, *602, 603*
- A2: Can Worker Fatigue Be Predicted Hours in Advance?, *606, 607*
- A3: Consumer Products Exposure, *608, 609*
- A4: IEQ Molds and Mycotoxins: Current Issues, *611, 612*
- A5: Intercultural Communication in the Workforce, *613, 614*
- A6: Acute and Emergency Exposure Limits for Chemical Release Incidents, *615, 616, 617*
- A7: 3D Printing: Impact on the Manufacturing Environment, *618, 619, 620*
- A8: Emerging Issues in Beryllium Regulation, Part 1, *Ballroom 6A*
- A9: Advances in Real Time Detection and Sensor Technology, *Ballroom 6B*
- A10: Topics in Ergonomics, *Ballroom 6C*
- A11: Interesting OSHA Health Cases, Part 1, *Ballroom 6E*
- A12: EHS Issues with Taxidermy Specimens, *303*
- A13: IH and Animal Research: Current Issues, *307, 308*
- A14: Q&A with Ken Jennings, *310*
- Poster Session 1 (Authors Present), *Hall 4B, Hub Area 4 - Posters*

10:30 AM - 10:55 AM

- Healthy Eating: Grocery Shopping, *Hub Area 1B - Health & Wellness*
- Outreach of the Future: Sharing the Profession with the Community at Large, *Hub Area 1A - AIHA Education*

10:30 AM - Noon

- FOHS Board of Trustees Meeting (by invitation only), *Sheraton Seattle, Alki Board Room*

10:30 AM - 1:00 PM

- TT-01 Boeing Renton, *Convention Place Entrance, 1st Floor*

11:15 AM - 12:15 PM

- B1: The Impact of the Updates to TSCA, *602, 603*
- B2: GHS/HazCom: Where Employers Are Out of Compliance, *606, 607*
- B3: Hazardous Chemicals: What Are the Alternatives?, *608, 609*
- B4: Heavy Metals, Contaminated Schools, and Risk Characterization, *611, 612*
- B5: Integrating the IH with the First Responder, *613, 614*
- B6: Biological Monitoring Methods, *615, 616, 617*
- B7: Occupational Exposure Outside the USA, *618, 619, 620*

- B8: Emerging Issues in Beryllium Regulation, Part 2, *Ballroom 6A*
- B9: Firefighting Hazards and Dust Masks, *Ballroom 6B*
- B10: Data Based Approach to Improve Research Safety, *Ballroom 6C*
- B11: Interesting OSHA Health Cases, Part 2, *Ballroom 6E*
- B12: Three Talks on Respirators, *303*
- B13: Notable Confined Spaces and Issues — Near Fatal or Fatal Outcomes, *307, 308*
- B14: Computers Can Actually Make Your EHS Life Easier, *310*

Noon - 2:00 PM

- TT-02 Kenworth Renton, *Convention Place Entrance, 1st Floor*

12:15 PM - 12:40 PM

- FTIR Multigas Measurement Technology Solves Air Quality Issues, *Learning Pavilion 1, Exhibit Hall 4EF*
- How Smart Companies Build World-Class Ergonomics Processes, *Learning Pavilion 2, Exhibit Hall 4EF*

12:15 PM - 1:00 PM

- Ken Jennings Book Signing, *AIHA Booth (#1211)*

12:30 PM - 1:30 PM

- Fall Conference Planning Team Luncheon (by invitation only), *Sheraton Seattle, Eagle Board Room*
- Student Table Topics, *Hub Area 3 - Table Tech Talks*

12:50 PM - 1:15 PM

- Artificial Intelligence for Mold and Asbestos, *Learning Pavilion 2, Exhibit Hall 4EF*
- The Simple and Comprehensive Solution for Compliance with USP <800> Requirements to Assess Hazardous Drug Residuals in Pharmacies, Hospitals and Infusion Centers, *Learning Pavilion 1, Exhibit Hall 4EF*

1:00 PM - 2:00 PM

- Career Portfolio: The New Professional Development Tool, *Hub Area 2 - CareerAdvantage Development Fair*

1:00 PM - 6:00 PM

- SDS and Label Authoring Registry Competency Assessment, *Sheraton Seattle, Diamond A*

1:25 PM - 1:50 PM

- How to Deliver Higher Quality Safety Inspections at a Lower Cost with Mobile Devices, *Learning Pavilion 2, Exhibit Hall 4EF*
- The Next IH Technology Evolution is NOW!, *Learning Pavilion 1, Exhibit Hall 4EF*

2:00 PM - 2:25 PM

- 2-Minute Stress Release Moves, *Hub Area 1B - Health & Wellness*

Events take place at the Washington State Convention Center, unless otherwise noted.

MONDAY

- AIHA's Laboratory Accreditation Program, *Hub Area 1A - AIHA Education*

2:00 PM – 3:00 PM

- C1: A Variety of Hazards, *602, 603*
- C2: Exposures in Coffee Processing Facilities, *606, 607*
- C3: EHS Topics in Construction, *608, 609*
- C4: Sampling, Analytical Methodology and Testing, Part 1, *611, 612*
- C5: Something Smells: Odors and Vapor Intrusion, *613, 614*
- C6: Crystalline Silica Exposure Management, *615, 616, 617*
- C7: Zika, Pathogens, and Ammonium Hydroxide, *618, 619, 620*
- C8: Wildfires: The IH Role, Part 1, *Ballroom 6A*
- C9: Mock Trial, Part 1: Death in the Desert — OSHA Review Board Case, *Ballroom 6B*
- C10: Noise Induced Hearing Loss: The Derek E. Dunn Invited Lecture Series, *Ballroom 6C*
- C11: Goin' Hot: Remember the IH Fundamentals, *Ballroom 6E*
- C12: Herbert E. Stokinger Award Lecture: Biological Monitoring Without Limits, *303*
- C13: Workplace Well-being: Bridging Safety and Health, *307, 308*
- C14: Radiation Protection Strategies, Part 1, *310*

2:00 PM – 4:00 PM

- OHTA Stakeholders Meeting, *Sheraton Seattle, Metropolitan Ballroom A*

2:15 PM – 3:15 PM

- Let's Get Hired!, *Hub Area 2 - CareerAdvantage Development Fair*

2:30 PM – 2:55 PM

- #iamIH, *Hub Area 1A - AIHA Education*
- Healthy Eating: Eating out, *Hub Area 1B - Health & Wellness*

3:00 PM – 3:25 PM

- Mindfulness and Stress Release, *Hub Area 1B - Health & Wellness*

3:00 PM – 3:55 PM

- Confined Spaces demonstration by the Seattle Fire Department, *Hub Area 1A - AIHA Education*

3:15 PM – 4:15 PM

- D1: IH and Safety in Ukraine: Focus on Collaboration, *602, 603*
- D2: Selling Safety to the Front Line Employee, *606, 607*
- D3: Naturally Occurring Asbestos (NOA), *608, 609*
- D4: Sampling, Analytical Methodology and Testing, Part 2, *611, 612*

- D5: The Evolving Role of Sensors to Protect Worker Health, *613, 614*
- D6: Current Topics in Protective Clothing and Equipment, *615, 616, 617*
- D7: The 8th Habit of Highly Effective IH Leaders, *618, 619, 620*
- D8: Wildfires: The IH Role, Part 2, *Ballroom 6A*
- D9: Mock Trial, Part 2: Appeal of OSHA Review Board Decision, *Ballroom 6B*
- D10: New Approaches to Exposure Monitoring and Screening, *Ballroom 6C*
- D11: Exposures to Highly Hazardous Drugs, *Ballroom 6E*
- D12: William P. Yant Award, *303*
- D13: Dairy Exposures to Airborne Endotoxins and β -Glucans, *307, 308*
- D14: Radiation Protection Strategies, Part 2, *310*
- Resume Critiquing, *Hub Area 2 - CareerAdvantage Development Fair*

3:30 PM – 3:55 PM

- Ask the Expert: Tone and Strengthen, *Hub Area 1B - Health & Wellness*

4:30 PM – 5:30 PM

- Continuing Education Committee (CEC) Meeting, *Sheraton Seattle, Juniper Room*
- Expo Hall Networking Reception, *Exhibit Hall 4EF*

5:45 PM – 6:45 PM

- Content Portfolio Advisory Group Meeting (by invitation only), *Sheraton Seattle, Madrona Room*

5:45 PM – 7:45 PM

- Ergonomics Committee, *Sheraton Seattle, Cedar A&B*
- Hazard Prevention and Engineering Controls Committee, *Sheraton Seattle, Kirkland*
- Protective Clothing and Equipment Committee, *Sheraton Seattle, Willow B*

- Respiratory Protection Committee, *Sheraton Seattle, Redwood A&B*
- Risk Committee, *Sheraton Seattle, Greenwood*
- Social Concerns Committee, *Sheraton Seattle, Issaquah A&B*

5:45 PM – 9:45 PM

- DOE and DOE Contractors Industrial Hygiene Meeting, *Sheraton Seattle, Ballard*

6:00 PM – 7:30 PM

- Noise Committee, *Sheraton Seattle, Aspen Room*
- Purdue University Alumni Reception, *Sheraton Seattle, Seneca*

6:00 PM – 8:00 PM

- Biosafety and Environmental Microbiology Committee, *Sheraton Seattle, Willow A*
- Harvard Alumni Reception, *Sheraton Seattle, Columbia*
- Legal Issues Committee, *Sheraton Seattle, Medina*
- Mentoring Networking Event (by invitation only), *FareStreet, 700 Virginia Street, Seattle, WA 98101*
- Occupational and Environmental Epidemiology Committee, *Sheraton Seattle, Leschi*
- U of MN School of Public Health Alumni & Friends Reception, *Hotel Andra, Northern Lights Room*

6:00 PM – 9:00 PM

- EMSL Annual Client Appreciation Reception (by invitation only), *Seattle Space Needle*

6:30 PM – 8:00 PM

- Johns Hopkins Reception, *Sheraton Seattle, Ravenna A, B, C*

6:30 PM – 8:30 PM

- International Reception (by invitation only), *Sheraton Seattle, Grand Ballroom C*

8:00 PM – 9:30 PM

- Late Night Learning Session 1: A Little Risk in the Night, *Sheraton Seattle, Cirrus Ballroom*



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Monday, June 5

Education Sessions

Full session descriptions may be found in the mobile app.

MONDAY



Opening General Session

Life in the Form of a Question

8:00 AM - 9:30 AM Hall 4A

Presenter: Ken Jennings, Seattle, WA.

Kicking off the AIHce EXPerience is keynote speaker Ken Jennings, best known for his six-month winning streak on Jeopardy! He speaks tirelessly about the importance of learning and has co-invented two popular trivia games. The author of three books, covering topics from trivia in pop culture to geography, Ken's keynote session promises to be one full of anecdotes as well as vital information on the increasing value of day-to-day learning and education.

Q&A with Ken Jennings

10:00 AM - 11:00 AM 310

Moderator: Stephanie Carter, Veritox, Inc., Redmond, WA.

Presenter: Ken Jennings, Seattle, WA.

EARLY RISER SESSION 1



Optimizing Occupational Health Performance in Contracts

6:30 AM - 7:30 AM

Sheraton Seattle Hotel, Cirrus Ballroom

Presenter: Joy Erdman, U.S. Navy, Washington, DC.

The HUB, Hall 4B

Resume Critiquing

9:00 AM - 12:00 PM

Hub Area 2 - CareerAdvantage Development Fair

How to Deliver a Safety Matters Presentation

9:30 AM - 9:55 AM

Hub Area 1A - AIHA Education

Presenter: Catherine Hovde, Caterpillar, Inc., Peoria, IL.

Yoga Session 1

9:30 AM - 9:55 AM

Hub Area 1B - Health & Wellness

Presenter: Alex Tran, Washington Athletic Club, Seattle, WA.

Government Relations and You

10:00 AM - 10:25 AM

Hub Area 1A - AIHA Education

Presenter: Mark Ames, AIHA, Falls Church, VA.

Power and Empowerment: Visualize and Realize Success

10:00 AM - 10:25 AM

Hub Area 1B - Health & Wellness

Presenter: Heather Adams, Washington Athletic Club, Seattle, WA.

A1

Topics in Safety

10:00 AM - 11:00 AM

602, 603

Moderator: Kathie Lavaty, Terracon Consultants Inc., Mountlake Terrace, WA.

10:00 AM - 10:20 AM

Oregon Fatality Assessment and Control Evaluation (OR-FACE)

Barbara Epstien, Oregon Fatality Assessment and Control Evaluation Program, Hillsboro, OR.

10:20 AM - 10:40 AM

Workplace Electrical Fatalities (2014-2016)

Gavin Burdge, Freelance Safety and Hygiene, Lemoyne, PA.

10:40 AM - 11:00 AM

Vocational College Instructors Teaching Health and Safety

Anca Bejan, Health Partners Institute, Minneapolis, MN.

A2

Can Worker Fatigue Be Predicted Hours in Advance?

10:00 AM - 11:00 AM

606, 607

Moderator: Carl Heinlein, ACIG, Cranberry Township, PA. **Presenter:** Sean Kerklaan, Fatigue Science, Vancouver, BC, Canada.

Events take place at the Washington State Convention Center, unless otherwise noted.

Exhibitor Product Demos and Presentations

9:30 AM – 2:00 PM, Expo Learning Pavilions 1 & 2, Hall 4EF

Expo Learning Pavilion 1

9:35 AM - 10:00 AM

Kanomax New Handheld Particle Counter for Environmental Testing

Kanomax USA

Kanomax is launching a new handheld particle counter for environmental testing professionals. The new handheld instrument was developed to maximize user experience with its lightweight design and easy-to-use user graphic interface. This cleanroom grade particle counter outputs precise measurements, and data management is easier than ever due to innovative communication interfaces.



12:15 PM - 12:40 PM

FTIR Multigas Measurement Technology Solves Air Quality Issues

Gasmet Technologies

The Model DX4040 portable FTIR gas analyzer identifies “unknown” gases within minutes of arriving at site by searching the NIST/EPA® reference library of over 5,000 gases. Measuring 25 gases simultaneously at sub-ppm levels, the DX4040 is also a very cost-effective solution for performing workplace exposure assessments.



12:50 PM - 1:15 PM

The Simple and Comprehensive Solution for Compliance with USP <800> Requirements to Assess Hazardous Drug Residuals in Pharmacies, Hospitals, and Infusion Centers

Maxxam Analytics (a Bureau Veritas Company)



Maxxam's ChemoAlert™ surface contamination kit is a comprehensive solution to address USP <800> compliance to assess hazardous drug residuals in pharmacies, hospitals, and infusion centers. The Dana-Farber Cancer Institute leveraged Maxxam's ChemoAlert™ kit to assess chemical contamination from chemotherapeutic drugs over a one-year period. Hear key findings and outcomes from the Dana-Farber Cancer Institute following three events and over 500 wipe samples. The presentation will also cover ChemoAlert™ kit contents, sample collection and submission, and options for analysis of up to 14 of the most common hazardous drugs from a single swab. Interpretation of results will also be discussed.

1:25 PM - 1:50 PM

The Next IH Technology Evolution is NOW!

SGS Galson



SGS Galson will release multiple technology solutions integrated into their service model. Includes complete web-based client interfaces, from ordering to chain of custody, reporting to invoice and real-time web-based monitors with analytical sampling capability. We offer patented directional air sampling capability and more. You don't want to miss this!

Expo Learning Pavilion 2

9:35 AM - 10:00 AM

The Impact of Real-Time Data Acquisition on Regulatory Compliance

Sper Scientific



Regulators are demanding the collection and reporting of data be more transparent. New developments in sensor and communications technologies allow for real-time data acquisition to meet these new requirements. Learn how you can leverage technology to mitigate risks, develop baseline measurements, utilize trend analysis, and employ situational awareness to adhere to regulatory compliance.

12:15 PM - 12:40 PM

How Smart Companies Build World-Class Ergonomics Processes

Humantech



Humantech's software as a service (SaaS) applications, The Humantech System® and Ergopoint®, are used by some of the world's largest companies to manage workplace ergonomics. They are built on three key components:

1. LEARN: Users build knowledge quickly with interactive online training modules.
2. DO: Assessment tools enable users to identify and fix problem jobs.
3. MANAGE: Process owners can monitor the progress and activities of their team.

With nearly 40 years of experience helping clients achieve world-class ergonomics processes, Humantech's team of board-certified ergonomists know what works and what doesn't. Together with Humantech's technology team, they developed The Humantech System and Ergopoint to help companies do ergonomics right.

12:50 PM - 1:15 PM

Artificial intelligence for Mold and Asbestos



xRapid Environment

xRapid Environment has developed an artificial intelligence app capable of reading an asbestos air sample slide in less than 100 seconds through a fully automated microscope with complete traceability of all tests. During this presentation, we will demonstrate how the app works—in conjunction with our patented, cost effective, fully automated microscope—to rapidly read air sample slides and create a report that analyzes the sample and produces views of all fields. We will also present a preliminary demo of our mold app, due to launch in the fall.

1:25 PM - 1:50 PM

How to Deliver Higher Quality Safety Inspections at a Lower Cost with Mobile Devices

Pulpstream



Join Pulpstream CEO

Pankaj Malviya as he demonstrates how digitized safety inspections reduced operating costs and created safer work environments for a nationwide construction company. Learn how a platform technology can enable you to seamlessly manage all workflows in your health and safety programs. Malviya will highlight key features in the Pulpstream platform that help program managers and supervisors deliver operational efficiencies that create greater transparency, accountability, and ultimately safer environments for workers throughout the U.S.



MONDAY

Education Sessions MONDAY, JUNE 5

MONDAY

A3

Consumer Products Exposure

10:00 AM - 11:00 AM 608, 609

Moderator: David Dodge, Gradient, Bend, OR.

10:00 AM - 10:20 AM

Hair Salon Dust

Greg Siwinski, SUNY/Occupational Health Clinical Center, Syracuse, NY.

10:20 AM - 10:40 AM

BTEX Exposures from Operation of Gasoline Powered Lawn Mowers and Weed Trimmers

Heather Avens, Cardno ChemRisk, Boulder, CO.

10:40 AM - 11:00 AM

Acetic Acid Evaporation Rate from a Floor Cleaning Product

Susan Arnold, University of Minnesota, Minneapolis, MN.

A4

IEQ Molds and Mycotoxins:

Current Issues

10:00 AM - 11:00 AM 611, 612

Moderator: Jerry McCaslin, SeaCast, Inc, Marysville, WA. **Presenters:** Coreen Robbins, Clara Chan, Veritox, Inc., Redmond, WA; Michael Holland, SUNY Upstate Medical University, Syracuse, NY.

A5

Intercultural Communication in the Workforce

10:00 AM - 11:00 AM 613, 614

Moderator: Diane Herrera, Employers Insurance, Austin, TX. **Presenters:** Kerry-Ann Jaggassar, Ramboll Environ, Atlanta, GA; Teresa Andrews, University of California at Davis, Davis, CA; Troy Rawlins, Eastern Kentucky University, Richmond, KY.

A6

Acute and Emergency Exposure Limits for Chemical Release Incidents

10:00 AM - 11:00 AM 615, 616, 617

Moderator: Val Garner, SWS Environmental Services, Panama City Beach, FL.

Presenters: Scott Dotson, NIOSH, Cincinnati, OH; Andrew Maier, University of Cincinnati, Cincinnati, OH.

A7

3D Printing: Impact on the Manufacturing Environment

10:00 AM - 11:00 AM 618, 619, 620

Moderator: Jun Wang, University of Oklahoma, Oklahoma City, OK. **Presenters:** William Cyrs, Cardno ChemRisk, San Francisco, CA; Srinivas Durgam, GE Global Research, Niskayuna, NY; Charles Geraci, CDC/NIOSH, Cincinnati, OH.

A8

Emerging Issues in Beryllium Regulation, Part 1

10:00 AM - 11:00 AM Ballroom 6A

Moderator & Presenter: Michael Brisson, Savannah River National Laboratory, Aiken, SC. **Presenters:** Lisa Barker, National Jewish Health, Denver, CO; Marc Kolanz, Materion Inc., Mayfield Heights, OH; Bill McArthur, U.S. Department of Energy, Germantown, MD; Maureen Ruskin, U.S. Department of Labor/OSHA, Washington, DC; Scott Seydel, CH2M, Inc., Corvallis, OR.

A9

Advances in Real Time Detection and Sensor Technology

10:00 AM - 11:00 AM Ballroom 6B

Moderator: Jodi Quam, 3M, St. Paul, MN.

10:00 AM - 10:20 AM

Carbon Dioxide Exposure Evaluation in Craft Breweries

David Huizen, Grand Valley State University, Grand Rapids, MI.

10:20 AM - 10:40 AM

Sensor Triggered Instantaneous Whole Air Sampling

Philip Smith, U.S. Department of Labor/OSHA, Sandy, UT.

10:40 AM - 11:00 AM

Hydrogen Interference with CO Sensors

Michael Strange, ESIS, San Francisco, CA.

A10

Topics in Ergonomics

10:00 AM - 11:00 AM Ballroom 6C

Moderator: Valerie Perez, University of Pennsylvania, Philadelphia, PA.

10:00 AM - 10:20 AM

Ergonomic Assessments with a Smartphone

Mark Rollins, A-EHS, Brooklyn, CT.

10:20 AM - 10:40 AM

Variance in Sitting Time among Users of Sit-Stand Workstations

Divya Srinivasan, Virginia Tech, Blacksburg, VA.

10:40 AM - 11:00 AM

Evaluation of Physiological Strain Index by Thermal Imagery

Clint Holm, University of Utah, Salt Lake City, UT.

A11

Interesting OSHA Health Cases, Part 1

10:00 AM - 11:00 AM Ballroom 6E

Moderator: Maureen O'Donnell, OSHA, Washington, DC. **Presenters:** Crystal Joshua, OSHA, Hartford, CT; Randy Caldarelli, OSHA, Allentown, PA; Monica McKenzie, OSHA, Atlanta, GA.

A12

EHS Issues with Taxidermy Specimens

10:00 AM - 11:00 AM 303

Presenter: Jeffrey Sotek, Amec Foster Wheeler, Clifton Park, NY.

A13

IH and Animal Research: Current Issues

10:00 AM - 11:00 AM 307, 308

Moderator: Paul Tranchell, Primus Solutions, Greenport, NY. **Presenter:** James Stubbs, University of Utah, Salt Lake City, UT.

A14

Q&A with Ken Jennings

10:00 AM - 11:00 AM 310



Moderator: Stephanie Carter, Veritox, Inc., Redmond, WA. **Presenter:** Ken Jennings, Seattle, WA.



12:15 PM - 1:00 PM

Be sure to stop by the AIHA Booth (#1211) and have your book signed.

MONDAY, JUNE 5 Education Sessions

Poster Session 1

Author Attend Time

10:00 AM - 11:00 AM The HUB, Hall 4B

Topic: Hazard Recognition and Evaluation

See page 52 for posters on this topic. For a full list of co-authors and detailed abstracts, see AIHce 2017 Website.

The HUB, Hall 4B

Healthy Eating: Grocery shopping

10:30 AM - 10:55 AM

Hub Area 1B - Health & Wellness

Presenter: Eric Chen, Washington Athletic Club, Seattle, WA.

Outreach of the Future: Sharing the Profession with the Community at Large

10:30AM - 10:55AM

Hub Area 1A - AIHA Education

Presenter: Susan Marchese, AIHA, Falls Church, VA.

B1

The Impact of the Updates to TSCA

11:15 AM - 12:15 PM 602, 603

Moderator: Penney Stanch, NASA, Houston, TX. **Presenter:** Neil Feldscher, New York City Department of Environmental Protection, Corona, NY.

B2

GHS/HazCom: Where Employers Are Out of Compliance

11:15 AM - 12:15 PM 606, 607

Moderator & Presenter: Chuck Haling, VelocityEHS, Chicago, IL.

B3

Hazardous Chemicals: What Are the Alternatives?

11:15 AM - 12:15 PM 608, 609

Presenter: Wes Scott, National Safety Council, Itasca, IL.

B4

Heavy Metals, Contaminated Schools, and Risk Characterization

11:15 AM - 12:15 PM 611, 612

Moderator: Emily Goswami, Exponent, Inc., Oakland, CA.

11:15 AM - 11:35 AM

Exposure to Heavy Metals: Avoiding Panic and Chaos

Bill Beadie, Maul Foster & Alongi, Inc., Portland, OR.

11:35 AM - 11:55 AM

Soil Contamination Impacting an Occupied School

John Lewis, ECHO Management Inc, Mississauga, ON, Canada.

11:55 AM - 12:15 PM

Environmental Assessments: Visual Assessment Method

Ryan Allenbrand, Children's Mercy Hospital, Kansas City, MO.

B5

Integrating the IH with the First Responder

11:15 AM - 12:15 PM 613, 614

Moderator: Bob DeHart, Retired, Boone, NC. **Presenters:** Charles Cordova, Chris Lombard, Seattle Fire Department, Seattle, WA; Ryan Nash, Seattle Fire Hazardous Materials Response Team, Seattle, WA.

B6

Biological Monitoring Methods

11:15 AM - 12:15 PM 615, 616, 617

Moderator: John Snawder, NIOSH, Cincinnati, OH. **Presenters:** Shane Que Hee, University of California at Los Angeles, Los Angeles, CA; Lathan Ball, Chemitrac Limited, United Kingdom; Lee Blum, NMS Labs Inc, Willow Grove, PA.

B7

Occupational Exposure Outside the USA

11:15 AM - 12:15 PM 618, 619, 620

Moderator: Kate Bradford, State Department, Washington, DC.

11:15 AM - 11:35 AM

Brick Kilns of Nepal: Recognizing the Hazards

Seshananda Sanjel, Kathmandu University, Nepal.

11:35 AM - 11:55 AM

Predicting Silica Exposures from Noise Exposure Levels

Stephanie Sayler, University of Michigan, Ann Arbor, MI.

11:55 AM - 12:15 PM

Electronic Waste Recycling Exposures in Thailand

Richard Neitzel, University of Michigan, Ann Arbor, MI.

B8

Emerging Issues in Beryllium Regulation, Part 2

11:15 AM - 12:15 PM Ballroom 6A

Moderator & Presenter: Michael Brisson, Savannah River National Laboratory, Aiken, SC. **Presenters:** Lisa Barker, National Jewish Health, Denver, CO; Marc Kolan, Materion Inc., Mayfield Heights, OH; Bill McArthur, U.S. Department of Energy, Germantown, MD; Maureen Ruskin, U.S. Department of Labor/OSHA, Washington, DC; Scott Seydel, CH2M, Inc., Corvallis, OR.

B9

Firefighting Hazards and Dust Masks

11:15 AM - 12:15 PM Ballroom 6B

Moderator: Torey Nalbhone, University of Texas at Tyler, Tyler, TX.

11:15 AM - 11:35 AM

Smoke and Acute Lung Function Decline in Wildland Firefighters

Ilias Kavouras, University of Alabama at Birmingham, Birmingham, AL.

11:35 AM - 11:55 AM

Diesel Exhaust Re-Entrainment at Fire Stations

Gerry Croteau, University of Washington, Seattle, WA.

11:55 AM - 12:15 PM

Dust Masks Marketed for Nonoccupational Uses

Patrick O'Shaughnessy, The University of Iowa, Iowa City, IA.

B10

Data Based Approach to Improve Research Safety

11:15 AM - 12:15 PM Ballroom 6C

Moderator: Carl Heinlein, ACIG, Cranberry Township, PA. **Presenter:** Imke Schroeder, University of California at Los Angeles, Los Angeles, CA.

B11

Interesting OSHA Health Cases, Part 2

11:15 AM - 12:15 PM Ballroom 6E

Moderator: Maureen O'Donnell, OSHA, Washington, DC. **Presenters:** Narcis Mahdiyar, OSHA, Atlanta, GA; Joseph Dartt, OSHA, St. Louis, MO; Enjonli Hutchison, OSHA, San Antonio, TX.

Education Sessions MONDAY, JUNE 5

MONDAY

B12

Three Talks on Respirators

11:15 AM - 12:15 PM 303

Moderator: Diane Herrera, Employers Insurance, Austin, TX.

11:15 AM - 11:35 AM

A Performance Evaluation Method for Loose-Fitting PAPRs

Michael Bergman, NIOSH, Pittsburgh, PA.

11:35 AM - 11:55 AM

Protection Factor Study of Loose-Fitting PAPRs

Ziqing Zhuang, NIOSH, Pittsburgh, PA.

11:55 AM - 12:15 PM

Cartridge Service Life against Hydrogen Peroxide

Erik Johnson, 3M, St. Paul, MN.

B13

Notable Confined Spaces and Issues: Near Fatal or Fatal Outcomes

11:15 AM - 12:15 PM 307, 308

Moderator: Warren Brown, Retired, Fairborn, OH. **Presenters:** Terry Krug, Bartlett, IL; Bonnie Lockhart, Ameren Corporation, St. Louis, MO.

B14

Computers Can Actually Make Your EHS Life Easier

11:15 AM - 12:15 PM 310

Moderator: Ying Zhen, Belzona, Inc., Miami Lakes, FL. **Presenters:** Mark Rollins, A-EHS, Brooklyn, CT; Michael Groh, GE Appliances, a Haier company, Louisville, KY; Ronald Petti, Verdant Web Technologies, Inc, Bend, OR.



Pathway Passport

Have your Pathway Passport stamped by participating exhibitors, and drop your completed entry in the box in the AIHA Booth (Booth 1211), by noon on Wednesday, June 7. Winning names will be drawn at 12:30 PM. The Grand Prize is a round trip and registration for AIHce 2018 in Philadelphia, PA. Second Prize is \$1,000.

The HUB

Student Table Topics

12:30 PM - 1:30 PM

Hub Area 3 - Table Tech Talks

Career Portfolio: The New Professional Development Tool

1:00 PM - 2:00 PM

Hub Area 2 - CareerAdvantage Development Fair

Presenter: Isabel Zuclich, PPG Industries, Valencia, CA.

2-Minute Stress Release Moves

2:00 PM - 2:25 PM

Hub Area 1B - Health & Wellness

Presenter: Paul Flanagan, Washington Athletic Club, Seattle, WA.

AIHA's Laboratory Accreditation Program

2:00 PM - 2:25 PM

Hub Area 1A - AIHA Education

Presenter: Cheryl Morton, AIHA Laboratory Accreditation Programs, LLC, Falls Church, VA.

C1

A Variety of Hazards

2:00 PM - 3:00 PM 602, 603

Moderator: Kathie Lavaty, Terracon Consultants Inc, Mountlake Terrace, WA.

2:00 PM - 2:20 PM

Metals in Costume Cosmetics

Shannon Gaffney, Cardno ChemRisk, San Francisco, CA.

2:20 PM - 2:40 PM

Lead Exposures at a Scrap Recycling Facility

Jeff Burton, IVE Inc, Salt Lake City, UT.

2:40 PM - 3:00 PM

Electronic Recycling Industry: Occupational Health

Diana Ceballos, Harvard, Cambridge, MA.

C2

Exposures in Coffee Processing Facilities

2:00 PM - 3:00 PM 606, 607

Moderator: David Dodge, Gradient, Bend, OR. **Presenters:** Brie Hawley, NIOSH, Morgantown, WV; Alyson Johnson, Ryan Lebof, NIOSH, Respiratory Health Division, Morgantown, WV.

C3

EHS Topics in Construction

2:00 PM - 3:00 PM 608, 609

Moderator: Matthew Soltis, Evoqua Water Technologies, LLC, Warrendale, PA.

2:00 PM - 2:20 PM

Integrating EHS into a Project Life Cycle

Jeff Behar, Jet Propulsion Laboratory, Granada Hills, CA.

2:20 PM - 2:40 PM

Ergonomics and a Wellness Total Worker Health®

Michael Grant, NIOSH, Cincinnati, OH.

2:40 PM - 3:00 PM

H&S during Disaster Restoration Methods

Daniel Chute, Atrium EH&S Services, LLC, Reston, VA.

C4

Sampling, Analytical Methodology and Testing, Part 1

2:00 PM - 3:00 PM 611, 612

Moderator: Hugh Yao, Bristol-Myers Squibb Company, New Brunswick, NJ.

Presenters: Charles Manning, Assay Technology, Livermore, CA; Linda Coyne, SKC, Eighty Four, PA; Gary Oishi, MilliporeSigma, Bellefonte, PA.

C5

Something Smells: Odors and Vapor Intrusion

2:00 PM - 3:00 PM 613, 614

Moderator: Jerry McCaslin, SeaCast, Inc., Marysville, WA.

2:00 PM - 2:20 PM

A Persistent Chemical Odor in an Office

Mark Karaffa, POWER Engineers, Inc., Cincinnati, OH.

2:20 PM - 2:40 PM

Vapor Intrusion at an Elementary School

Megan Canright, Forensic Analytical Consulting Services, Inc., San Diego, CA.

2:40 PM - 3:00 PM

Persistent Malodor at an Automotive Plant

John Kominsky, Environmental Quality Management, Inc., Cincinnati, OH.

MONDAY, JUNE 5 Education Sessions

MONDAY

C6

Crystalline Silica Exposure Management

2:00 PM - 3:00 PM 615, 616, 617

Moderator: Angela Dartt, Golder Associates, St. Charles, MO. **Presenters:** Tim Stauder, Bureau Veritas North America, Inc., Lisle, IL; David Dahlstrom, Bureau Veritas North America, Kennesaw, GA; Robert Lieckfield, Bureau Veritas North America, Inc., Novi, MI.

C7

Zika, Pathogens, and Ammonium Hydroxide

2:00 PM - 3:00 PM 618, 619, 620

Moderator: Paul Tranchell, Primus Solutions, Greenport, NY.

2:00 PM - 2:20 PM

Protecting U.S. Workers from the Zika Virus

Kerton Victory, CDC/NIOSH, Atlanta, GA.

2:20 PM - 2:40 PM

The NIEHS Pathogen Safety Data Guide & Training Module

Jonathan Rosen, National Clearinghouse for Worker Safety & Health Training, Schenectady, NY.

2:40 PM - 3:00 PM

Ventilation Study of the NH4OH Room

John Ratliff, Retired, Beaverton, OR.

C8

Wildfires: The IH Role, Part 1

2:00 PM - 3:00 PM Ballroom 6A

Moderator: Bianca Malouf, Dominion Diamond Corporation, Yellowknife, NT, Canada. **Presenters:** Marshall Denhoff, ConocoPhillips Canada, Calgary, AB, Canada; Michelle Kutz, Government of Alberta, Ministry of Labour, Red Deer, AB, Canada; Shamini Samuel, Suncor Energy Ltd., Calgary, AB, Canada.

C9

Mock Trial, Part 1: Death in the Desert: OSHA Review Board Case

2:00 PM - 3:00 PM Ballroom 6B

Moderator: Glynnis Bowman, University of Maryland, College Park, MD. **Presenters:** William Collier, University of California at Merced, Merced, CA; Margaret Norman, DNA Industrial Hygiene, Manhattan Beach, CA.

C10

Noise Induced Hearing Loss: The Derek E. Dunn Invited Lecture Series

2:00 PM - 3:00 PM Ballroom 6C

Presenter: Alice Suter, Suter & Associates, Portland, OR.

C11

Goin' Hot: Remember the IH Fundamentals

2:00 PM - 3:00 PM Ballroom 6E

Moderator: Lindsey Kneten, U.S. Army Public Health Center, Bel Air, MD.

Presenters: Alice Weber, Craig Gehrels, Army Public Health Center, Aberdeen Proving Ground, MD.

C12

Herbert E. Stokinger Award Lecture: Biological Monitoring Without Limits



2:00 PM - 3:00 PM 303

Presenter: John Cocker, UK Health & Safety Laboratory, United Kingdom.

C13

Workplace Well-being: Bridging Safety and Health

2:00 PM - 3:00 PM 307, 308

Moderator: Teniope Adewumi, University of California at Los Angeles, Los Angeles, CA. **Presenters:** Joy Inouye, John Dony, Campbell Institute - National Safety Council, Itasca, IL.

C14

Radiation Protection Strategies, Part 1

2:00 PM - 3:00 PM 310

Presenters: James Lewis, Maryland Department of the Environment, Westminster, MD; Amber Illies, Vista Outdoor, Anoka, MN; Raymond Johnson, Radiation Safety Counseling Institute, Rockville, MD.

The HUB, Hall 4B

Let's Get Hired!

2:15 PM - 3:15 PM

Hub Area 2 - CareerAdvantage Development Fair

Presenter: William Nichols, Applied Materials, Austin, TX.

#IAmIH

2:30 PM - 2:55 PM

Hub Area 1A - AIHA Education

Presenter: Susan Marchese, AIHA, Falls Church, VA.

Healthy Eating: Eating Out

2:30 PM - 2:55 PM

Hub Area 1B - Health & Wellness

Presenter: Eric Chen, Washington Athletic Club, Seattle, WA.

Mindfulness and Stress Release

3:00 PM - 3:25 PM

Hub Area 1B - Health & Wellness

Presenter: Heather Adams, Washington Athletic Club, Seattle, WA.

Confined Spaces: Demonstration by the Seattle Fire Department

3:00 PM - 3:55 PM

Hub Area 1A - AIHA Education

D1

IH and Safety in Ukraine: Focus on Collaboration

3:15 PM - 4:15 PM 602, 603

Moderator: Eric Rasmuson, Chemistry & Industrial Hygiene, Inc., Wheat Ridge, CO. **Presenters:** Andrey Korchevskiy, Chemistry & Industrial Hygiene, Inc., Wheat Ridge, CO; Mykola Kashuba, Mykhaylo Korda, Ternopil State Medical University, Ukraine.

D2

Selling Safety to the Front Line Employee

3:15 PM - 4:15 PM 606, 607

Moderator: Carl Heinlein, ACIG, Cranberry Township, PA. **Presenter:** Patrick Karol, Pat Karol Safety Speaks LLC, Romansville, PA.

Education Sessions MONDAY, JUNE 5

MONDAY

D3

Naturally Occurring Asbestos (NOA)

3:15 PM - 4:15 PM 608, 609

Moderator: Frederick Boelter, RHP Risk Management Inc., Boise, ID. **Presenters:** Dan Hernandez, Dragados USA, Flatiron, Sukut Joint Venture, San Jose, CA; Bryan Bandli, RJ Lee Group, Monroeville, PA; Bradley Erskine, Kleinfelder, Benicia, CA.

D4

Sampling, Analytical Methodology and Testing, Part 2

3:15 PM - 4:15 PM 611, 612

Moderator: Donna Bartlett, PPG, Monroeville, PA. **Presenters:** Michael Jager, Wisconsin Occupational Health Laboratory, Madison, WI; Ronnee Andrews, CDC/NIOSH, Cincinnati, OH; Kyle Kaelin, SGS Galson, East Syracuse, NY.

D5

The Evolving Role of Sensors to Protect Worker Health

3:15 PM - 4:15 PM 613, 614

Moderator: Teniope Adewumi, University of California at Los Angeles, Los Angeles, CA. **Presenters:** Donna Heidel, Bureau Veritas North America, Fuquay Varina, NC; Spencer Pizzani, Bureau Veritas North America, Edison, NJ; Philip Smith, U.S. Department of Labor/OSHA, Sandy, UT.

D6

Current Topics in Protective Clothing and Equipment

3:15 PM - 4:15 PM 615, 616, 617

Moderator: Rhiannon Filip, Golder Associates Ltd., Mississauga, ON, Canada.

3:15 PM - 3:35 PM

Increase HPD Attenuation

Timothy Ryan, Ohio University, Athens, OH.

3:35 PM - 3:55 PM

Solvent Permeation of Disposable Nitrile Gloves

Brittany Brown, University of Houston, Houston, TX.

3:55 PM - 4:15 PM

Respirator Use and Facial Hair: Balancing H&S with Human Rights

Diane Radnoff, Alberta Labour, Edmonton, AB, Canada.

D7

The 8th Habit of Highly Effective IH Leaders

3:15 PM - 4:15 PM 618, 619, 620

Moderator: Cheri Marcham, Embry-Riddle Aeronautical University, Newcastle, OK. **Presenters:** Perry Logan, 3M, St. Paul, MN; Christine Lorenzo, OSHA, Denver, CO.

D8

Wildfires: The IH Role, Part 2

3:15 PM - 4:15 PM Ballroom 6A

Moderator: Bianca Malouf, Dominion Diamond Corporation, Yellowknife, NT, Canada. **Presenters:** Susan Evans, Dale Mann, Engineering Systems Inc., Seattle, WA.

D9

Mock Trial, Part 2: Appeal of OSHA Review Board Decision

3:15 PM - 4:15 PM Ballroom 6B

Moderator: Glynnis Bowman, University of Maryland, College Park, MD. **Presenters:** William Collier, University of California at Merced, Merced, CA; Margaret Norman, DNA Industrial Hygiene, Manhattan Beach, CA.

D10

New Approaches to Exposure Monitoring and Screening

3:15 PM - 4:15 PM Ballroom 6C

Moderator: Randal Keller, Murray State University, Murray, KY.

3:15 PM - 3:35 PM

Exposures to an Ethanol Based Cleaning Product

Ryan Lewis, Exponent, Inc., Oakland, CA.

3:35 PM - 3:55 PM

Model a Chemical Incident to Estimate Actual Exposure

Jeff Burton, IVE Inc, Salt Lake City, UT.

3:55 PM - 4:15 PM

The IH Toolbox: Automated Exposure Screening

Hans Plugge, 3E Company, Bethesda, MD.

D11

Exposures to Highly Hazardous Drugs

3:15 PM - 4:15 PM Ballroom 6E

Moderator: John Rice, Intermountain Healthcare, Salt Lake City, UT. **Presenter:** Thomas Connor, NIOSH, Cincinnati, OH.

D12

William P. Yant Award



3:15 PM - 4:15 PM 303

Presenter: Willibrord ten Berge, Santoxar, The Netherlands.

D13

Dairy Exposures to Airborne Endotoxins and β -Glucans

3:15 PM - 4:15 PM 307, 308

Moderator: Thomas Slavin, Cardno Chem-Risk, Chicago, IL. **Presenter:** Amanda VanDyke, Colorado State University, Fort Collins, CO.

D14

Radiation Protection Strategies, Part 2

3:15 PM - 4:15 PM 310

Presenters: Robert Costello, W L Gore & Associates, Elkton, MD; Ken Martin, Heuresis Corporation, Newton, MA.

The HUB, Hall 4B

Resume Critiquing

3:15 PM - 4:15 PM

Hub Area 2 - CareerAdvantage Development Fair

Ask the Expert: Tone and Strengthen

3:30 PM - 3:55 PM

Hub Area 1B - Health & Wellness

Presenter: George Sommerrock, Washington Athletic Club, Seattle, WA.

LATE NIGHT LEARNING SESSION 1



A Little Risk in the Night

8:00 PM - 10:00 PM

Sheraton Seattle, Cirrus Ballroom

Presenter: Frederick Boelter, RHP Risk Management Inc., Boise, ID; N. Feldscher, New York City Department of Environmental Protection, Corona, NY.

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Questions?

Contact Jessica Pagel at
jpagel@aiha.org



**Not included for one-day, PDC only, Expo only or Exhibit booth personnel registrations*

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**Booth
1211**



MEET...

Ken Jennings — Book signing Monday, June 5 (following the Q&A) from 12:15 PM - 1:00 PM

John Medina — Book Signing Wednesday, June 7 from 12:15 PM - 1:00 PM

Books available for purchase in advance for both signings, when the Booth opens on Monday morning.

RECHARGE... visit our complimentary charging lounge to recharge yourselves and your mobile devices. We have lots of new AIHA swag this year, including special IAMIH Outreach Kits for the first 200 people to sign up for the IAMIH Leadership Challenge (all of whom will be entered into a special prize drawing for gift cards)!

CHAT... face-to-face with AIHA, PAT, and Registries staff.

LEARN... what new AIHA products and benefits are now available to you!

WATCH... for your face in our regularly updated Candid's Gallery brought to you on AIHA Network TV.

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- 2017 ERPG/WEEL Handbook
- Assessment and Remediation of PCBs in the Built Environment
- Guidelines for the Selection and Use of Environmental Surface Disinfectants in Healthcare
- Useful Equations: Practical Applications of OH&S Math, 3rd edition
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- Laboratory Ventilation Guidebook, 2nd edition
- Case Studies: Sixty Practical Applications of OH&S Control Principles
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- Industrial Hygiene Workbook: The Occupational Health Sciences, 6th edition

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Tuesday At-a-Glance

As of April 14, 2017

Tuesday, June 6

6:30 AM – 7:30 AM

- Early Riser Session 2: Is OSHA's New Silica Dust Standard Relevant?, *Sheraton Seattle, Cirrus Ballroom*

6:30 AM – 8:00 AM

- Academic Special Interest Group, *Sheraton Seattle, Issaquah A&B*
- Nanotechnology Working Group, *3B*
- Real Time Detection Systems Committee, *3A*
- 31st Annual AIHF FunRun

7:00 AM – 5:00 PM

- Registration, *Atrium Lobby*

8:00 AM – 9:00 AM

General Session
Ignite
Hall 4A



8:00 AM – 4:00 PM

- Speaker Ready Room, *604*

9:00 AM – 10:00 AM

- Resume Critiquing, *Hub Area 2 - CareerAdvantage Development Fair*
- Women in IH Focus Group, *Sheraton Seattle, Redwood A*

9:00 AM – 3:00 PM

- Exhibit Hall Open, *Hall 4EF*

9:00 AM – 10:00 AM

Coffee and Danish in the Expo Hall – Meet with Exhibitors while enjoying coffee and a snack.

9:05 AM – 9:30 AM

- Sy-Klone's 3-Step Solution to Meeting the New OSHA Silica Law and How to Measure Filtration Success, *Learning Pavilion 2, Exhibit Hall 4EF*
- Vapor Shield 'Military Grade' Anti-Fog Technology, *Learning Pavilion 1, Exhibit Hall 4EF*

9:30 AM – 9:55 AM

- Talking about Science, *Hub Area 1A - AIHA Education*
- Yoga Session 2, *Hub Area 1B - Health & Wellness*

9:40 AM – 10:05 AM

- How Ergonomics Can Assist with Lean Manufacturing, *Learning Pavilion 1, Exhibit Hall 4EF*
- Testing for Silica Dust in the Air - A More Comprehensive Solution, *Learning Pavilion 2, Exhibit Hall 4EF*

10:00 AM – 10:25 AM

- Ask the Expert: Superfoods and Nutrition Takeaways, *Hub Area 1B - Health & Wellness*

- Product Stewardship Society, *Hub Area 1A - AIHA Education*

10:00 AM – 11:00 AM

- E1: Going Green: Applying IH Concepts in Nontraditional Ways, *602, 603*
- E2: Risk Assessment Triptych, *606, 607*
- E3: Protecting African Workers: Contemporary Issues, *608, 609*
- E4: Three Times the Data, *611, 612*
- E5: Turnaround Tales: Health and Safety Challenges, *613, 614*
- E6: Occupational Hygiene in British Columbia: Confined Spaces in Agriculture, *615, 616, 617*
- E7: H&S Considerations Surrounding the Aging Worker, *618, 619, 620*
- E8: Dealing with Noise, *Ballroom 6A*
- E9: Behavior Based Safety: Changing Behaviors, *Ballroom 6B*
- E10: Streamlining Exposure Assessment, *Ballroom 6C*
- E11: Vaping Aerosols and Secondhand Exposures, *Ballroom 6E*
- E12: 17th Annual Upton Sinclair Memorial Lecture for Outstanding EHS Investigative Reporting, *303*
- E13: Using the New Cumulative Lifting Index and Cumulative Strain Index, *307, 308*
- E14: Mold, Coal Mines, and Lead: A Look at Regulation & Public Policy, *310*
- E15: Operational and Strategic Planning in Laboratories, Part 1, *401*
- Poster Session 2 (Authors Present), *Hall 4B, Hub Area 4 - Posters*

10:00 AM – Noon

- ABET Accreditation Workshop, *Sheraton Seattle, Diamond A*
- Mock Interviewing, *Hub Area 2 - CareerAdvantage Development Fair*

10:00 AM – 12:30 PM

- TT-03 University of Washington Seattle Campus, *Convention Place Entrance, 1st Floor*

10:30 AM – 10:55 AM

- Mindfulness and Stress Release, *Hub Area 1B - Health & Wellness*
- The State of the Industry Survey *Hub Area 1A - AIHA Education*

10:30 AM – 11:30 AM

- Publications Committee Meeting, *Sheraton Seattle, Juniper Room*

10:30 AM – 12:00 PM

- OHTA Board Meeting (by invitation only), *Sheraton Seattle, Alki Board Room*

11:00 AM – 12:15 PM

- Student Local Sections Council Business Meeting, *3A*

11:15 AM – 12:15 PM

- F1: Topics in Respiratory Protection, *602, 603*
- F2: The Sole IH/EHS Professional in Your Organization, *606, 607*
- F3: Noise, Knees, Drugs, and Fungi, *608, 609*
- F4: Studies in Real Time Detection & Sensor Technology, *611, 612*
- F5: The World of Low Submicrogram Beryllium Concentrations, *613, 614*
- F6: Nanomaterials: Testing and Regulatory Overview, *615, 616, 617*
- F7: Managing a Global Ergonomics Standard of Care, *618, 619, 620*
- F8: Current Topics in Exposure Assessment, *Ballroom 6A*
- F9: Contractor Safety Management in a Complex World, *Ballroom 6B*
- F10: Lead, Legionella, and Disinfectant By-Products in the Flint Water Crisis, *Ballroom 6C*
- F11: Occupational Exposure Bands for Chemicals Lacking an OEL, *Ballroom 6E*
- F13: Three Looks at Asbestos, *307, 308*
- F14: Interpreting the New NIOSH Chemical Carcinogen Policy, *310*
- F15: Operational and Strategic Planning in Laboratories, Part 2, *401*

12:15 PM – 12:40 PM

- Aircraft Carriers, HydroPowerplants and Noise at Your Facility, *Learning Pavilion 2, Exhibit Hall 4EF*
- Detecting Fugitive Emissions with Bruker Detectors, *Learning Pavilion 1, Exhibit Hall 4EF*

12:30 PM – 1:30 PM

- AIHA Volunteer Group Table Topics, *Hub 5 - Volunteer & Committee Tables*
- NIOSH Tech Talks: Current Topics, *Hub Area 3 - Table Tech Talks*

12:50 PM – 1:15 PM

- A New Concept in Multi-Sensor Probes for IAQ and Toxic Exposure IH Applications, *Learning Pavilion 1, Exhibit Hall 4EF*
- Silica - It's Not Just Dust, *WSCC, Learning Pavilion 2, Exhibit Hall 4EF*

1:00 PM – 3:00 PM

- Resume Critiquing, *Hub Area 2 - CareerAdvantage Development Fair*

1:25 PM – 1:50 PM

- Improvements in Industrial Ventilation Measurement Tools, *Learning Pavilion 2, Exhibit Hall 4EF*

- The BioRAFT Solution: A Unique Tool for Laboratory Safety and Compliance, *Learning Pavilion 1, Exhibit Hall 4EF*

1:30 PM – 4:30 PM

- TT-04 Boeing Everett, *Convention Place Entrance, 1st Floor*

2:00 PM – 2:25 PM

- 5 Must-Do Desk Stretches, *Hub Area 1B - Health & Wellness*
- AIHA Bodies of Knowledge (BoKs): Everything You Always Wanted to Know, *Hub Area 1A - AIHA Education*

2:00 PM – 3:00 PM

- G1: Diesel Exposure and Cancer in Mining, *602, 603*
- G2: Nanoparticles and Industrial Ventilation Solutions: No Small Matter, *606, 607*
- G3: Silica Standards, *608, 609*
- G4: Successfully Applying for the CIH Exam, *611, 612*
- G5: Noise Diagnostic Tools in the 21st Century, *613, 614*
- G6: Occupational Hygiene in British Columbia: Craft Brewing, *615, 616, 617*
- G7: Mock Emergency Response, Part 1, *618, 619, 620*
- G8: Microbiomes of the Built Environment, Part 1, *Ballroom 6A*
- G9: Current Advances in Sampling Methods, *Ballroom 6B*
- G10: Are Controls Working: Evaluating Effectiveness, *Ballroom 6C*
- G11: Current Studies in Radiation, *Ballroom 6E*
- G12: Moving Your Organization through the EHSQ Maturity Curve, *303*
- G13: 100+ Years of Radiation Risk Communication, Part 1, *307, 308*
- G14: Vietnam Takes New Initiatives on Lead Exposures, *310*
- G15: Operational and Strategic Planning in Laboratories, Part 3, *401*
- Poster Session 3 (Authors Present), *Hall 4B, Hub Area 4 - Posters*

2:00 PM – 4:00 PM

- Local Sections Council Business Meeting, *3B*
- TT-05 The Bullitt Center Tour 1, *Convention Place Entrance, 1st Floor*

2:00 PM – 4:15 PM

- G16: AIHce Movie Matinee: 'Blood on the Mountain', *Hall 4A*

2:30 PM – 2:55 PM

- Healthy Eating: Meal Planning and Serving Sizes, *Hub Area 1B - Health & Wellness*

3:00 PM – 3:25 PM

- Connecting Through Social Media at Events, *Hub Area 1A - AIHA Education*

- Healthy Eating: Eating at the Workplace, *Hub Area 1B - Health & Wellness*

3:00 PM – 4:00 PM

- Speed Networking, *Hub Area 2 - CareerAdvantage Development Fair*

3:15 PM – 4:15 PM

- H1: Protecting Workers, Students, and Teachers during School Construction, *602, 603*
- H2: Measuring and Modeling of Air Concentrations: Are the Results Close?, *606, 607*
- H3: Industrial Hygiene in the Healthcare Industry: What's Your Diagnosis?, *608, 609*
- H4: Evaluating Physical and Mental Fitness for Work, *611, 612*
- H5: More Topics in Ergonomics, *613, 614*
- H6: Conjoined Sensor Use to Evaluate Exposures, *615, 616, 617*
- H7: Mock Emergency Response, Part 2, *618, 619, 620*
- H8: Microbiomes of the Built Environment, Part 2, *Ballroom 6A*
- H9: Best Practices for Confined Space Monitoring, *Ballroom 6B*
- H10: OSHA's New Recordkeeping Law, *Ballroom 6C*
- H11: Hazard Banding and REACH Exposure, *Ballroom 6E*
- H12: Perspectives on Preparation for the CIH Exam v12.0, *303*
- H13: 100+ Years of Radiation Risk Communication, Part 2, *307, 308*
- H14: How to Use Creative Nonfiction Narrative to Improve Training, *310*
- H15: Operational and Strategic Planning in Laboratories, Part 4, *401*

3:30 PM – 3:55 PM

- Power and Empowerment: Visualize and Realize Success, *Hub Area 1B - Health & Wellness*
- Proficiency Analytical Testing - Who, What, When, Where, and Why?, *Hub Area 1A - AIHA Education*

3:30 PM – 5:30 PM

- Communication and Training Methods Committee, *Sheraton Seattle, Juniper Room*
- Joint meeting of WHWB and WHWB-US, *Sheraton Seattle, Ravenna A, B, C*

4:00 PM – 6:00 PM

- AIHF Board of Trustees Meeting, *Sheraton Seattle, Alki Board Room*
- CRBOH Annual General Meeting, *Sheraton Seattle, Jefferson A&B*
- University of Cincinnati Kettering Fellows, *Sheraton Seattle, Boren*

4:00 PM – 6:30 PM

- xRapid Meet and Greet (by invitation only), *The Paramount Hotel, Cascade Room*

4:30 PM – 5:30 PM

- Conference Program Committee Meeting, *Sheraton Seattle, Greenwood*

4:30 PM – 6:00 PM

- Exposure and Control Banding Committee, *Sheraton Seattle, Redwood A*
- Univ. of Texas, Univ. of Houston-Clear Lake, Univ. of North Texas Health Science Center Alumni Reception, *Sheraton Seattle, Columbia*
- University of Central Missouri Alumni and Friends, *Sheraton Seattle, Diamond A&B*

4:30 PM – 6:30 PM

- Exposure Assessment Strategies Committee, *Sheraton Seattle, Grand Ballroom B*
- Fellows SIG, *Sheraton Seattle, Grand Ballroom A*
- Indoor Environmental Quality Committee, *Sheraton Seattle, Aspen Room*
- Management Committee, *Sheraton Seattle, Willow A*
- Mentoring and Professional Development Committee, *Sheraton Seattle, Willow B*
- Safety Committee, *Sheraton Seattle, Capitol Hill*
- Sampling and Laboratory Analysis Committee, *Sheraton Seattle, Redwood B*
- University of Michigan Alumni and Friends Reception, *Sheraton Seattle, Issaquah A&B*

5:00 PM – 6:30 PM

- Non-Ionizing Radiation Committee, *Sheraton Seattle, Cedar A&B*
- Toxicology Committee, *Sheraton Seattle, Madrona Room*

5:00 PM – 7:00 PM

- Environmental Issues Committee, *Sheraton Seattle, Ballard*
- Mining Working Group, *Sheraton Seattle, Grand Ballroom D*

6:00 PM – 8:00 PM

- University of California, Berkeley - Alumni Reception, *Sheraton Seattle, Leschi*

6:30 PM – 7:30 PM

- AIHce Power Hour sponsored by MSA, *Sheraton Seattle, Metropolitan Ballroom A&B*



6:30 PM – 8:00 PM

- Alumni and Friends of UAB School of Public Health Gathering, *Elephant and Castle*

8:00 PM – 10:00 PM

- Late Night Learning Session 2: After Hours Ethics, *Sheraton Seattle, Cirrus Ballroom*

Tuesday, June 6

Education Sessions

Full session descriptions may be found in the mobile app.



General Session Ignite

8:00 AM - 9:30 AM Hall 4A

EHS & Beer

Presenter: Mark Rollins, A-EHS
Brooklyn, CT.

How to Enhance Your IH Career

Presenter: Jeff Burton, IVE Inc.,
Salt Lake City, UT.

IH in Flight

Presenter: Kyle Vogel, Denver, CO.

Industrial Hygiene Consultant in Asia

Presenter: Saurabh Saini,
Golder Associates (Singapore)
Pte. Ltd., Singapore.

Industrial Hygiene Is Rocket Science

Presenter: Harold Pratt, Sappi
North America, Skowhegan, ME.

Learning through Operational Experience

Presenter: Jonathan Jacobi,
Underwriters Laboratories,
Franklin, TN.

Make Safety Personal

Presenter: Patrick Karol, Pat
Karol Safety Speaks LLC, Ro-
mansville, PA.

Mentoring: Learning to Pay it Forward

Presenter: Linda Martin,
Columbia Southern University,
Seabrook, NH.

What's That Smell?

Presenter: David Regelbrugge,
Bureau Veritas North America,
Liste, IL.

EARLY RISER SESSION 2



Is OSHA's New Silica Dust Standard Relevant?

6:30 AM - 7:30 AM

Sheraton Seattle, Cirrus Ballroom

Presenters: David Goldsmith, George Washington University, Washington, DC; Kate Bradford, State Department, Washington, DC; Albert Tien, WHWB, Akron, OH.



31st Annual AIHF FunRun

6:30 AM - 8:00 AM

The HUB, Hall 4B

Resume Critiquing

9:00 AM - 10:00 AM

Hub Area 2 - CareerAdvantage
Development Fair

Talking about Science

9:30 AM - 9:55 AM

Hub Area 1A - AIHA Education

Presenter: Ed Rutkowski, AIHA, Falls
Church, VA.

Yoga Session 2

9:30 AM - 9:55 AM

Hub Area 1B - Health & Wellness

Presenter: Alex Tran, Washington Athletic
Club, Seattle, WA.

Ask the Expert: Superfoods and Nutrition Takeaways

10:00 AM - 10:25 AM

Hub Area 1B - Health & Wellness

Presenter: Eric Chen, Washington Athletic
Club, Seattle, WA.

Product Stewardship Society

10:00 AM - 10:25 AM

Hub Area 1A - AIHA Education

Presenter: Adam Seery, AIHA, Falls
Church, VA.

E1

Going Green: Applying IH Concepts in Nontraditional Ways

10:00 AM - 11:00 AM

602, 603

Moderator: Karen Kelley, University of
Maryland, College Park, MD. **Presenter:**
Jessica Mann, Green Futures Unlimited,
San Diego, CA.

E2

Risk Assessment Triptych

10:00 AM - 11:00 AM

606, 607

Moderator: Donna Bartlett, PPG, Monro-
ville, PA.

10:00 AM - 10:20 AM

Dermal Risk Assessment

Margot Bernabo, PPG, Monroeville, PA.

10:20 AM - 10:40 AM

Is Heat Stress Exposure Sustainable?

Thomas Bernard, University of South
Florida, Tampa, FL.

10:40 AM - 11:00 AM

Synthetic Biology: Biosafety Considerations

Stephanie Cunha, BSI EHS Services and
Solutions, Hillsboro, OR.

E3

Protecting African Workers: Contemporary Issues

10:00 AM - 11:00 AM

608, 609

Moderator: Lydia Renton, BluMetric
Environmental Inc., Ottawa, ON, Canada.

Presenters: Aristides Medard, Acacia Min-
ing, Tanzania; Chineye Ischeii, John Hop-
kins University, Baltimore, MD; JP Jacobs,
Richards Bay Minerals, South Africa.

*Events take place at the Washington State Convention Center,
unless otherwise noted.*

Exhibitor Product Demos and Presentations

9:00 AM – 2:00 PM, Expo Learning Pavilions 1 & 2, Hall 4EF

Expo Learning Pavilion 1

9:05 AM - 9:30 AM

Vapor Shield "Military Grade" Anti-Fog Technology

Edge Eyewear

Most situations can be handled with standard anti-fog lenses, but for extreme environments Edge Eyewear developed a revolutionary, "military grade" anti-fog technology called Vapor Shield. Whether exposed to hot, cold, or humid conditions, it is completely resistant to fog.



9:40 AM - 10:05 AM

How Ergonomics Can assist with Lean Manufacturing

ESIS Health, Safety and Environmental



Learn how the application of key ergonomic principles can assist lean manufacturing efforts at increasing productive output, decreasing waste, and reducing the risk factors/costs associated with musculoskeletal disorders.

12:15 PM - 12:40 PM

Detecting Fugitive Emissions with Bruker Detectors

Bruker

Bruker Detection has developed high performance Ion Mobility instruments for chemical vapor detection to exacting military standards for over 20 years. Bruker instruments can detect within seconds at low ppb or ppm levels such compounds as TDI, HDI, DMS, H_2S , NH_3 , Cl_2 , MeBr, phosphine, hydrazine, as well as others.



12:50 PM - 1:15 PM

A New Concept in Multi-Sensor Probes for IAQ and Toxic Exposure IH Applications

GrayWolf Sensing Solutions

GrayWolf introduces a fully redesigned range of DirectSense® multi-sensor probes. Connect to GrayWolf's feature rich AdvancedSense® meters or to tablets. Available sensors for these handheld or wall-mount probes include: PID (TVOCs), NDIR (CO_2), electrochemical (CO , O_3 , NO_2 , NH_3 , etc.), TRH and more. Choose up to eight smart sensors per probe.



1:25 PM - 1:50 PM

The BioRAFT Solution: A Unique Tool for Laboratory Safety and Compliance

BioRAFT

The BioRAFT platform is an innovative solution for enterprise laboratory safety, compliance, and training. Designed by scientific researchers to aid scientific research, BioRAFT streamlines and automates the training and compliance process while being easy for researchers to use, which reduces overhead and increases researcher productivity.



Expo Learning Pavilion 2

9:05 AM - 9:30 AM

Sy-Klone's 3-Step Solution to Meeting the New OSHA Silica Law and How to Measure Filtration Success

Sy-Klone International

Sy-Klone International presents the world's most effective air cleaning technology specifically designed for the toughest air quality environments. Sy-Klone's complete air quality system is the most effective solution for meeting permissible exposure limits and protects operators by reducing exposure to all forms of respirable particulate, including DPM, asbestos, and silica.



9:40 AM - 10:05 AM

Testing for Silica Dust in the Air – A More Comprehensive Solution

Nanozen

Silica dust is the enemy. Workers are being exposed every day to this danger. Nanozen has the early warning system to help the industrial hygiene professional manage their silica situation. Please join Nanozen at the Learning Pavilion at AIHce Seattle to learn more.



12:15 PM - 12:40 PM

Aircraft Carriers, HydroPowerplants and Noise at Your Facility

Noise Control Engineering LLC

The costs of having workers in a hearing conservation program, and also disability liabilities of a noisy work environment, have increased the importance of noise abatement to lower noise levels. Advanced techniques, which have been used in difficult environments to lower noise levels, will be presented. If your facility has high noise levels, make sure you attend!



12:50 PM - 1:15 PM

Silica – It's Not Just Dust

ALS

During this presentation, ALS will give a brief summary of silica and discuss jobs that involve silica that are covered by the new OSHA silica rule. We will also discuss the OSHA limits and services ALS can provide, including analysis, pumps, cyclones, and media.



1:25 PM - 1:50 PM

Improvements in Industrial Ventilation Measurement Tools

TSI Incorporated

This presentation is an introduction to the new TSI AirPro Ventilation Solutions. The AirPro solutions include wireless air velocity meters, AirPro Mobile Application, a license manager to track your mobile application and service intervals, and a variety of service options to keep your equipment in robust condition.



TUESDAY

Education Sessions TUESDAY, JUNE 6

TUESDAY

E4

Three Times the Data

10:00 AM - 11:00 AM 611, 612

Moderator: Teniope Adewumi, University of California at Los Angeles, Los Angeles, CA.

10:00 AM - 10:20 AM

Data Driven Continuous Improvement in OEHS

David Stein, 3M, St. Paul, MN.

10:20 AM - 10:40 AM

Where Has OSHA Found Overexposures to the PEL

Jedd Hill, U.S. Department of Labor/OSHA, Sandy, UT.

10:40 AM - 11:00 AM

A Mobile App for Pesticide H&S Information

Kit Galvin, University of Washington, Seattle, WA.

E5

Turnaround Tales: Health and Safety Challenges

10:00 AM - 11:00 AM 613, 614

Moderator: Bob DeHart, Retired, Boone, NC. **Presenters:** Ed Chessor, University of British Columbia, Vancouver, BC, Canada; Kit Penniell, ExxonMobil, Houston, TX; Brian Stott, Chicago Bridge & Iron Company, The Woodlands, TX.

E6

Occupational Hygiene in British Columbia: Confined Spaces in Agriculture

10:00 AM - 11:00 AM 615, 616, 617

Presenters: Geoff Clark, WorkSafeBC, North Vancouver, BC, Canada.

E7

H&S Considerations Surrounding the Aging Worker

10:00 AM - 11:00 AM 618, 619, 620

Moderator & Presenter: Peter Rice, Ahtna/ClickSafety, Novato, CA.

E8

Dealing with Noise

10:00 AM - 11:00 AM Ballroom 6A

Moderator: Don Rust, 3M, St. Paul, MN..

10:00 AM - 10:20 AM

Noise Exposures at a Hammer Forge Company

Scott Brueck, CDC/NIOSH, Cincinnati, OH.

10:20 AM - 10:40 AM

Synchronized Noise Analysis of Multiple Noise Sources

Clifford Frey, 3M Company, St. Paul, MN.

10:40 AM - 11:00 AM

Hearing Loss from Metals, Solvents, and Noise

Nicholas Schaal, Uniformed Services University, Bethesda, MD.

E9

Behavior Based Safety: Changing Behaviors

10:00 AM - 11:00 AM Ballroom 6B

Presenter: Sophia Sushailo, 3M, Flemington, NJ.

E10

Streamlining Exposure Assessment

10:00 AM - 11:00 AM Ballroom 6C

Moderator: Jeff Behar, Jet Propulsion Laboratory, Granada Hills, CA. **Presenters:** Elizabeth Pullen, Clariant Corp., Charlotte, NC; Susan Arnold, University of Minnesota, Minneapolis, MN.

E11

Vaping Aerosols and Secondhand Exposures

10:00 AM - 11:00 AM Ballroom 6E

Moderator: Cheri Marcham, Embry-Riddle Aeronautical University, Newcastle, OK.

Presenters: Evan Floyd, The University of Oklahoma Health Sciences Center, Oklahoma City, OK; Jonathan Thornburg, RTI International, Raleigh-Durham, NC; Yifang Zhu, University of California at Los Angeles, Los Angeles, CA.

E12

17th Annual Upton Sinclair Memorial Lecture for Outstanding EHS Investigative Reporting

10:00 AM - 11:00 AM 303



Moderator: Nina Townsend, California Department of Public Health, Richmond, CA. **Presenter:** Howard Berkes, NPR, Salt Lake City, UT.

E13

Using the New Cumulative Lifting Index and Cumulative Strain Index

10:00 AM - 11:00 AM 307, 308

Moderator: Angela Dartt, Golder Associates, St. Charles, MO. **Presenters:** Jay Kapellusch, Arun Garg, University of Wisconsin at Milwaukee, Milwaukee, WI.

E14

Mold, Coal Mines, and Lead: A Look at Regulation & Public Policy

10:00 AM - 11:00 AM 310

Moderator: Emily Goswami, Exponent, Inc., Oakland, CA.

10:00 AM - 10:20 AM

Critical Review of Mold Injury Claims

Clifford Cooper, The Vertex Companies Inc., Kingston, NY.

10:20 AM - 10:40 AM

Coal Mine Dust Lung Disease: Current Information

Cara Halldin, NIOSH, Morgantown, WV.

10:40 AM - 11:00 AM

HUD's New Rule on Children's Elevated Blood Lead Levels

Warren Friedman, U.S. Department of Housing and Urban Development, Washington, DC.

E15

Operational and Strategic Planning in Laboratories, Part 1

10:00 AM - 11:00 AM 401

Moderator: Robert Lieckfield, Bureau Veritas North America, Inc., Novi, MI. **Presenters:** Cheryl Morton, AIHA, Falls Church, VA; Jon Murthy, United Kingdom Accreditation Service, United Kingdom.

Poster Session 2

Author Attend Time

10:00 AM - 11:00 AM The HUB, Hall 4B

Topic: Hazard Recognition and Evaluation

See page 52 for posters on this topic. For a full list of co-authors and detailed abstracts, see AIHce 2017 Website.

TUESDAY, JUNE 6 Education Sessions

The HUB, Hall 4B

Mock Interviewing

10:00 AM - 12:00 PM
Hub Area 2 - CareerAdvantage
Development Fair

Mindfulness and Stress Release

10:30 AM - 10:55 AM
Hub Area 1B - Health & Wellness

Presenter: Heather Adams, Washington Athletic Club, Seattle, WA.

The State of the Industry Survey

10:30 AM - 10:55 AM
Hub Area 1A - AIHA Education

Presenter: Susan Marchese, AIHA, Falls Church, VA.

F1

Topics in Respiratory Protection

11:15 AM - 12:15 PM 602, 603

Moderator: Stacey Croghan, Booz Allen Hamilton, Boaz, AL.

11:15 AM - 11:35 AM

Engineering Controls for Laboratory Animal Allergen Exposures
Iraj Aalaei, Massachusetts Institute of Technology, Cambridge, MA.

11:35 AM - 11:55 AM

Evaluation of a Working End of Service Life Indicator
Michael Parham, Scott Safety, Monroe, NC.

11:55 AM - 12:15 PM

Respiratory Protection against Ultrafine Diesel Particulate
Kerrie Burton, University of Wollongong, Australia.

F2

The Sole IH/EHS Professional in Your Organization

11:15 AM - 12:15 PM 606, 607

Moderator: Melissa Rupert, SevenGen, Cincinnati, OH. **Presenters:** Justin Hoover, Steel Dynamics, Inc., Fort Wayne, IN; Wayman Aldridge, Intersil Corporation, West Melbourne, FL; Christine Hoehn, Praxair, Inver Grove Heights, MN.

F3

Noise, Knees, Drugs, and Fungi

11:15 AM - 12:15 PM 608, 609

Moderator: John Rice, Intermountain Healthcare, Salt Lake City, UT.

11:15 AM - 11:35 AM

Hazardous Drugs: Friend or Foe of the Worker?

Paul Lilley, Army Public Health Center, Aberdeen Proving Ground, MD.

11:35 AM - 11:55 AM

Investigation Strategies for Indoor Opportunistic Fungi

Harriet Burge, EmLab PK, Novato, CA.

11:55 AM - 12:15 PM

Noise Exposure during Knee Replacement Surgeries

Kendra Broadwater, NIOSH, Cincinnati, OH.

F4

Studies in Real Time Detection & Sensor Technology

11:15 AM - 12:15 PM 611, 612

Moderator: Philip Smith, U.S. Department of Labor/OSHA, Sandy, UT.

11:15 AM - 11:35 AM

Real Time Detection of ppb Levels of Benzene

Jennifer MacLachlan, PID Analyzers, LLC, Sandwich, MA.

11:35 AM - 11:55 AM

Evaluation of a Portable GC/PI Detector

Jhy-Charm Soo, NIOSH, Morgantown, WV.

11:55 AM - 12:15 PM

Recommendations for a Continuous Gas Monitoring System

Kwonchul Ha, Changwon National University, Republic of Korea.

F5

The World of Low Submicrogram Beryllium Concentrations

11:15 AM - 12:15 PM 613, 614

Presenters: Deborah Proctor, ToxStrategies, Inc., Mission Viejo, CA; Marc Corbett, Materion Inc., Mayfield Heights, OH.

F6

Nanomaterials: Testing and Regulatory Overview

11:15 AM - 12:15 PM 615, 616, 617

Moderator: Lucinette Alvarado, Covestro LLC, Pittsburgh, PA. **Presenters:** Margaret Jaroszewski, 3E Company, Carlsbad, CA; Hans Plugge, 3E Company, Bethesda, MD.

F7

Managing a Global Ergonomics Standard of Care

11:15 AM - 12:15 PM 618, 619, 620

Moderator: Janet Kivuyo, U.S. Army/Department of Defense, Corpus Christi, TX. **Presenter:** Walt Rostykus, Humantech, Inc., Ann Arbor, MI.

F8

Current Topics in Exposure Assessment

11:15 AM - 12:15 PM Ballroom 6A

Moderator: Barbara Bessette-Henderson, Friendswood, TX.

11:15 AM - 11:35 AM

New Bayesian Toolkit for the Interpretation of OELs

Jerome Lavoue, University of Montreal, QC, Canada.

11:35 AM - 11:55 AM

Assessment of Intermittent Exposure to Whole-Body Vibration

Yuli Huang, National Kaohsiung First University of Science and Technology, Taiwan.

11:55 AM - 12:15 PM

Measurements Below LOD in the NIEHS Gulf Study

Caroline Groth, University of Minnesota, Minneapolis, MN.

F9

Contractor Safety Management in a Complex World

11:15 AM - 12:15 PM Ballroom 6B

Moderator: Jeff Behar, Jet Propulsion Laboratory, Granada Hills, CA. **Presenters:** Joy Inouye, John Dony, Campbell Institute - National Safety Council, Itasca, IL.

F10

Lead, *Legionella*, and Disinfectant By-Products in the Flint Water Crisis

11:15 AM - 12:15 PM Ballroom 6C

Moderator: Carrie Ziehl Brown, General Motors Corp., Rochester, MI. **Presenters:** Min Tang, Anurag Mantha, Virginia Tech, Blacksburg, VA.

F11

Occupational Exposure Bands for Chemicals Lacking an OEL

11:15 AM - 12:15 PM Ballroom 6E

Moderator: Glynnis Bowman, University of Maryland, College Park, MD. **Presenters:** Melissa Seaton, Lauralynn McKernan, CDC/NIOSH, Cincinnati, OH; Andrew Maier, University of Cincinnati, Cincinnati, OH.

Education Sessions TUESDAY, JUNE 6

F13

Three Looks at Asbestos

11:15 AM - 12:15 PM 307, 308

Moderator: Thomas Slavin, Cardno Chem-Risk, Chicago, IL.

11:15 AM - 11:35 AM

Asbestos City: An Asbestos Contaminated Town

John Lewis, ECOH Management Inc, Mississauga, ON, Canada.

11:35 AM - 11:55 AM

Elongate Mineral Particles (EMPs) in Taconite Mining

Yuan Shao, University of Minnesota, Minneapolis, MN.

11:55 AM - 12:15 PM

Determination of Releasable Asbestos in Soils

Ed Cahill, EMSL Analytical, Cinnaminson, NJ.

F14

Interpreting the New NIOSH Chemical Carcinogen Policy

11:15 AM - 12:15 PM 310

Presenter: Thomas Lentz, CDC/NIOSH, Cincinnati, OH.

F15

Operational and Strategic Planning in Laboratories, Part 2

11:15 AM - 12:15 PM 401

Moderator: Robert Lieckfield, Bureau Veritas North America, Inc., Novi, MI. **Presenters:** Lisa Beach, Bureau Veritas North America, Inc., Novi, MI; Bob DiRienzo, ALS Environmental, Salt Lake City, UT; Shawn Kusma, Bureau Veritas North America, Inc., Detroit, MI.



Enhance Your AIHceEXP Through the App!

Download the AIHce EXP mobile app today and dive into a deeper EXPerience!

The HUB, Hall 4B

NIOSH Tech Talks: Current Topics

12:30 PM - 1:30 PM

Hub Area 3 - Table Tech Talks

- **NIOSH's Chemical Carcinogen Policy**

Presenter: Thomas Lentz, CDC/NIOSH, Cincinnati, OH.

- **21st Century Manufacturing: Going Beyond Nanotechnology into Advanced Materials and Manufacturing**

Presenter: Charles Geraci, CDC/NIOSH, Cincinnati, OH.

- **PPE-Info Database: One-Stop Shopping for PPE Standards for Your Workplace Hazards**

Presenter: Susan Moore, CDC/NIOSH, Pittsburgh, PA.

- **NIOSH Center for Direct Reading and Sensor Technologies**

Presenter: John Snawder, CDC/NIOSH, Cincinnati, OH.

- **Applying New Media to OSH information Products and Tools**

Presenter: Thomas Ebert, Attain, Cincinnati, OH.

- **Strategies for Managing Health Risks from Workplace Electric and Magnetic Fields**

Presenter: Joseph Bowman, CDC/NIOSH, Cincinnati, OH.

Resume Critiquing

1:00 PM - 3:00 PM

Hub Area 2 - CareerAdvantage Development Fair

5 Must-Do Desk Stretches

2:00 PM - 2:25 PM

Hub Area 1B - Health & Wellness

Presenter: George Sommerrock, Washington Athletic Club, Seattle, WA.

AIHA Bodies of Knowledge (BoKs): Everything You Always Wanted to Know

2:00 PM - 2:25 PM

Hub Area 1A - AIHA Education

Presenter: Russ Hayward, AIHA, Falls Church, VA.

G1

Diesel Exposure and Cancer in Mining

2:00 PM - 3:00 PM 602, 603

Moderator: Dale Stephenson, Boise State University, Boise, ID.

2:00 PM - 2:20 PM

Data Mining MSHA's Diesel Particulate Matter Samples

Rustin Reed, Embry-Riddle Aeronautical University, Prescott Valley, AZ.

2:20 PM - 2:40 PM

Emissions Based Maintenance Controls for Diesel Engines

Jennifer Hines, University of Wollongong, Australia.

2:40 PM - 3:00 PM

Occupational Cancer in Mining

Hugh Davies, University of British Columbia, Vancouver, BC, Canada.

G2

Nanoparticles and Industrial Ventilation Solutions: No Small Matter

2:00 PM - 3:00 PM 606, 607

Moderator: Rob Strode, Chemistry & Industrial Hygiene, Inc., WheatRidge, CO.

Presenters: Matthew Hull, NanoSafe, Inc., Blacksburg, VA; Curtis Howard, Flow Sciences, Inc., Leland, NC; Andrey Korchevskiy, Chemistry & Industrial Hygiene, Inc., Wheat Ridge, CO.

G3

Silica Standards

2:00 PM - 3:00 PM 608, 609

Moderator: Kathy Thompson, 3M, St. Paul, MN.

2:00 PM - 2:20 PM

New OSHA Crystalline Silica Standards

Tom Morris, Morris Innovative IH & Safety Solns, Cincinnati, OH.

2:20 PM - 2:40 PM

Crystalline Silica: OSHA Method ID-142

Daniel Johansen, U.S. Department of Labor/OSHA Salt Lake Technical Center, Sandy, UT.

2:40 PM - 3:00 PM

Parallel Particle Impactors: Changing Respirable Sampling

Rebecca Foos, Colorado State University, Fort Collins, CO.

TUESDAY, JUNE 6 Education Sessions

G4

Successfully Applying for the CIH Exam

2:00 PM - 3:00 PM 611, 612

Moderator & Presenter: Ulric Chung, American Board of Industrial Hygiene, Lansing, MI. **Presenter:** Yvette Smith, American Board of Industrial Hygiene, Lansing, MI.

G5

Noise Diagnostic Tools in the 21st Century

2:00 PM - 3:00 PM 613, 614

Presenter: Erik Miller-Klein, A3 Acoustics, LLP, Seattle, WA.

G6

Occupational Hygiene in British Columbia: Craft Brewing

2:00 PM - 3:00 PM 615, 616, 617

Moderator: David Dodge, Gradient, Bend, OR. **Presenter:** Prescillia Chua, WorkSafe-BC, Vancouver, BC, Canada.

G7

Mock Emergency Response, Part 1

2:00 PM - 3:00 PM 618, 619, 620

Moderator: Stacey Croghan, Booz Allen Hamilton, Boaz, AL. **Presenters:** Laura Weems, U.S. Army Corps of Engineers, Little Rock, AR; Brandi Kissel, Cornell University, Ithaca, NY; Edward Primeau, United States Coast Guard Atlantic Strike Team, Fort Dix, NJ.

G8

Microbiomes of the Built Environment, Part 1

2:00 PM - 3:00 PM Ballroom 6A

Moderator: Steve Derman, MediSHARE Environmental Health & Safety Services, Cupertino, CA. **Presenters:** David Miller, Carleton University, Ottawa, ON, Canada; William Rhoads, Virginia Tech, Blacksburg, VA; James Scott, University of Toronto, ON, Canada.

G9

Current Advances in Sampling Methods

2:00 PM - 3:00 PM Ballroom 6B

Moderator: Allen Iske, University of Central Missouri, Kansas City, MO.

2:00 PM - 2:20 PM

Comparison of Formaldehyde Sampling Methods

Zach Pasquinelli, SevenGen, Fort Wayne, IN.

2:20 PM - 2:40 PM

Comparison of Naphthalene Sampling Methods

Patrick Owens, Shell Oil Company, Martinez, CA.

2:40 PM - 3:00 PM

In-Situ Calibration of Field Samples by Thermal Desorption

Mitch Rubenstein, U.S. Air Force, Beavercreek, OH.

G10

Are Controls Working: Evaluating Effectiveness

2:00 PM - 3:00 PM Ballroom 6C

Moderator: Kevin Dunn, NIOSH, Cincinnati, OH. **Presenters:** Martin Cohen, Marc Beaudreau, Gerry Croteau, University of Washington, Seattle, WA.

G11

Current Studies in Radiation

2:00 PM - 3:00 PM Ballroom 6E

Moderator: Rhiannon Filip, Golder Associates Ltd., Mississauga, ON, Canada.

2:00 PM - 2:20 PM

RF Radiation Exposures Assessed for Brain Cancer: INTEROCC

Joseph Bowman, NIOSH, Cincinnati, OH.

2:20 PM - 2:40 PM

Total Hydrocarbon Exposures in the Deepwater Horizon Oil Spill

Gurumurthy Ramachandran, Johns Hopkins University, Baltimore, MD.

2:40 PM - 3:00 PM

Deepwater Horizon Oil Spill: Exposure Reconstruction

Mark Stenzel, Exposure Assessment Applications, Arlington, VA.

G12

Moving Your Organization through the EHSQ Maturity Curve

2:00 PM - 3:00 PM 303

Presenter: Eric Morris, Intalex Technologies Inc., Denver, CO.

G13

100+ Years of Radiation Risk Communication, Part 1

2:00 PM - 3:00 PM 307, 308

Moderator & Presenter: Mona Shum, Aura Health and Safety Corporation, Burnaby, BC, Canada. **Presenter:** Abderrachid Zitouni, Rad Safety, Vancouver, BC, Canada.

G14

Vietnam Takes New Initiatives on Lead Exposures

2:00 PM - 3:00 PM 310

Presenters: Mary O'Reilly, ARLS Consultants Inc., Manlius, NY; Hai Doan, Vietnamese National Institute of Occupational and Environmental Health, Vietnam; Tuan Nguyen, California State Compensation Insurance Fund, Santa Ana, CA.

G15

Operational and Strategic Planning in Laboratories, Part 3

2:00 PM - 3:00 PM 401

Moderator: Robert Lieckfield, Bureau Veritas North America, Inc., Novi, MI. **Presenters:** Brigitte Polmar, Brand Spoken, Washington, DC; Casey Quinn, Colorado State University, Fort Collins, CO.

Poster Session 3

Author Attend Time

2:00 PM - 3:00 PM The HUB, Hall 4B

Topic: Safety

See page 52 for posters on this topic. For a full list of co-authors and detailed abstracts, see AIHce 2017 Website.

G16

AIHce Movie Matinee: 'Blood on the Mountain'

2:00 PM - 4:15 PM Hall 4A

Moderator: Nina Townsend, California Department of Public Health, Richmond, CA. **Presenter:** Mari-Lynn Evans, Evening Star Productions, Cleveland, OH.

Education Sessions TUESDAY, JUNE 6

TUESDAY

The HUB, Hall 4B

Healthy Eating: Meal Planning and Serving Sizes

2:30 PM - 2:55 PM

Hub Area 1B - Health & Wellness

Presenter: Eric Chen, Washington Athletic Club, Seattle, WA.

Connecting Through Social Media at Events

3:00 PM - 3:25 PM

Hub Area 1A - AIHA Education

Presenter: Ashlee Wilcox, AIHA, Falls Church, VA.

Healthy Eating: Eating at the Workplace

3:00 PM - 3:25 PM

Hub Area 1B - Health & Wellness

Presenter: Eric Chen, Washington Athletic Club, Seattle, WA.

Speed Networking

3:00 PM - 4:00 PM

Hub Area 2 - CareerAdvantage Development Fair

H1

Protecting Workers, Students, and Teachers During School Construction

3:15 PM - 4:15 PM

602, 603

Presenters: Pam Susi, Avanti Industrial Hygiene, Marlton, NJ; Darryl Alexander, American Federation of Teachers, Washington, DC.

H2

Measuring and Modeling of Air Concentrations: Are the Results Close?

3:15 PM - 4:15 PM

606, 607

Moderator: Andrey Korchevskiy, Chemistry & Industrial Hygiene, Inc., Wheat Ridge, CO. **Presenters:** Daniel Hall, Chemistry & Industrial Hygiene, Inc., Wheat Ridge, CO; Srinivas Srimath, RSK, United Kingdom.

H3

Industrial Hygiene in the Healthcare Industry: What's Your Diagnosis?

3:15 PM - 4:15 PM

608, 609

Moderator: Kimberly Carlson, Bureau Veritas, Houston, TX. **Presenters:** Rob Strode, Chemistry & Industrial Hygiene, Inc., Wheat Ridge, CO; Cynthia Ellwood, Associates in Occupational + Environmental Health, LLC, Black Hawk, CO; Christopher Kolbash, Carolinas HealthCare System, Charlotte, NC.

H4

Evaluating Physical and Mental Fitness for Work

3:15 PM - 4:15 PM

611, 612

Presenter: Peter Greaney, WorkCare, Inc., Anaheim, CA.

H5

More Topics in Ergonomics

3:15 PM - 4:15 PM

613, 614

Moderator: Blake McGowan, Humantech, Inc., Ann Arbor, MI.

3:15 PM - 3:35 PM

Process Safety and Transportation of Dangerous Goods

Robert Waterhouse, Enform, Airdrie, AB, Canada.

3:35 PM - 3:55 PM

Using Back and Neck Claims to Evaluate Bus Driver Seats

Katherine Gregersen, Department of Labor and Industries, Seattle, WA.

3:55 PM - 4:15 PM

The LiFFT Tool: A Friendly Risk Assessment Tool

Sean Gallagher, Auburn University, Auburn, AL.

H6

Conjoined Sensor Use to Evaluate Exposures

3:15 PM - 4:15 PM

615, 616, 617

Moderator: Jodi Quam, 3M, St. Paul, MN. **Presenters:** John Snawder, NIOSH, Cincinnati, OH; William Mills, Northern Illinois University, Dekalb, IL.

H7

Mock Emergency Response, Part 2

3:15 PM - 4:15 PM

618, 619, 620

Moderator: Stacey Croghan, Booz Allen Hamilton, Boaz, AL. **Presenters:** Laura Weems, U.S. Army Corps of Engineers, Little Rock, AR; Brandi Kissel, Cornell Uni-

versity, Ithaca, NY; Edward Primeau, United States Coast Guard Atlantic Strike Team, Fort Dix, NJ.

H8

Microbiomes of the Built Environment, Part 2

3:15 PM - 4:15 PM

Ballroom 6A

Moderator: Steve Derman, MediSHARE Environmental Health & Safety Services, Cupertino, CA. **Presenters:** Lan Chi Nguyen-Weekes, InAir Environmental, Ottawa, ON, Canada; Rachel Adams, University of California, Berkeley, CA; Erica Stewart, Kaiser Permanente, Pasadena, CA.

H9

Best Practices for Confined Space Monitoring

3:15 PM - 4:15 PM

Ballroom 6B

Moderator: Daniel Woody, Environmental Remediation Services, Inc, Milford, OH. **Presenters:** Nancy Pearce, National Fire Protection Association, Quincy, MA; Robert Henderson, GfG Instrumentation, Inc., Ann Arbor, MI.

H10

OSHA's New Recordkeeping Law

3:15 PM - 4:15 PM

Ballroom 6C

Moderator & Presenter: Chuck Haling, VelocityEHS, Chicago, IL.

H11

Hazard Banding and REACH Exposure

3:15 PM - 4:15 PM

Ballroom 6E

Moderator: Karen Kelley, University of Maryland, College Park, MD.

3:15 PM - 3:35 PM

Evaluation of REACH Exposure Assessment Models

Eun Gyung Lee, CDC/NIOSH, Morgantown, WV.

3:35 PM - 3:55 PM

Comparing One In-Company with Three Public Hazard Bandings Systems

Erik van Miert, Solvay, Belgium.

3:55 PM - 4:15 PM

Testing Hazard Banding Strength against the OEL Value

Theo Scheffers, TSAC, The Netherlands.

TUESDAY, JUNE 6 Education Sessions

H12

Perspectives on Preparation for the CIH Exam v12.0

3:15 PM - 4:15 PM

303

Presenters: Michelle Coutu, Triumvirate Environmental, Inc., Baltimore, MD; Michael Baquiran, UL LLC, Northbrook, IL; Kerry Schmid, Ecolab, Inc, Eagan, MN.

H13

100+ Years of Radiation Risk Communication, Part 2

3:15 PM - 4:15 PM

307, 308

Moderator & Presenter: Mona Shum, Aura Health and Safety Corporation, Burnaby, BC, Canada. **Presenters:** Joseph Bowman, NIOSH, Cincinnati, OH; Anne-Marie Nicol, Simon Fraser University, Burnaby, BC, Canada.

H14

How to Use Creative Nonfiction Narrative to Improve Training

3:15 PM - 4:15 PM

310

Presenter: Jonathan Klane, Arizona State University, Tempe, AZ.

H15

Operational and Strategic Planning in Laboratories, Part 4

3:15 PM - 4:15 PM

401

Moderator: Robert Lieckfield, Bureau Veritas North America, Inc., Novi, MI. **Presenter:** William Walsh, SGS-Galson Laboratories, East Syracuse, NY.

The HUB, Hall 4B

Power and Empowerment: Visualize and Realize Success

3:30 PM - 3:55 PM

Hub Area 1B - Health & Wellness

Presenter: Heather Adams, Washington Athletic Club, Seattle, WA.

Proficiency Analytical Testing: Who, What, When, Where, and Why?

3:30 PM - 3:55 PM

Hub Area 1A - AIHA Education

Presenter: Angela Oler, AIHA, Falls Church, VA.

LATE NIGHT LEARNING SESSION 2



After Hours Ethics

8:00 PM - 10:00 PM

Sheraton Seattle, Cirrus Ballroom

Presenter: Mark Katchen, Phylmar Group, Los Angeles, CA.

TUESDAY

Thank you to this year's Fun Run/Walk sponsors!

Presenting



Silver



Gold



Bronze



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MIX

ONE STOP CHEMICALS MANAGEMENT - IN THE CLOUD

- Module-based Applications include:
 - SDS Management tools
 - Inventory Management
 - Risk Assessment (Control banding and other)
 - Health Surveillance/ Biological Monitoring Reports
 - Report Generation (up to 400 data points per chemical)
 - Automated Document Generation tools (SOPs, Animal- and Eco-tox, etc)
 - Label, Form and Document Design tools
 - Workflow and Approvals engines
 - Dashboards
 - SARA Tier II, IFC, PRTR, COMAH, Phase-Out, VOC, etc, Management and Reporting
 - REACH Supply Chain communication tools
- Applications available in any of 47 languages
- SDS Authoring tools:
 - create fully-compliant SDS in minutes
 - 47 languages in all country/ region formats
 - supported by underlying database of over 150,000 substance classifications
 - supported by Regulatory data for 800,000 substances, 7000 families
- 5000+ Regulatory Lists (updated daily) – over 100 countries
- 23+ million SDS (updated daily using 'Bots and real people')
- Bar-Code supported Assets Management – cradle to grave, Stock Take/ Reconciliation, Shopping Cart, Waste Management and Disposal (off-line support available)
- Supply Chain Logistics tools (Land/ Air / Water) – Outer/ Over/Inner Pack, Compatibility Reporting (UN, DOT, RID/ ADR, IMO, IATA etc)
- Global 24/7 Emergency Response Service (over 150 languages)
- Data extraction teams disassemble 1000's SDS/ eSDS, daily, for use in all downfield reporting – strict QC
- eLearning (SCORM-compliant multi-language) embedded within applications
- 24/7 Help Line (150 languages supported)
- Over 5000 organizations, worldwide. Over 100,000 Users
- Developed, maintained and supported by over 100 OHS Professionals/ Scientists.
- Representation in over 20 countries (with local language support)
- Chemwatch is an ISO 9001-certified organization
- Cloud-based (SaaS/ DaaS)
- All applications built using common architecture
- Full integration between all applications
- Web Service API exchanges data with ERP/ eProcurement and other management systems

Wednesday At-a-Glance

As of April 14, 2017

Wednesday, June 6

6:00 AM – 7:00 AM

- Early Riser Session 3, *Sheraton Seattle, Cirrus Ballroom*

7:00 AM – 8:30 AM



Awards
Breakfast
Hall 4A

7:30 AM – 4:00 PM

- Registration, *Atrium Lobby*

8:00 AM – 1:30 PM

- Exhibit Hall Open, *Hall 4EF*

8:00 AM – 1:30 PM

- Speaker Ready Room Open, *604*

8:30 AM – 8:55 AM

- Advanced Broadband Wireless Gas Detection, *Learning Pavilion 2, Exhibit Hall 4EF*
- Comprehensive Air Quality Monitoring, *Learning Pavilion 1, Exhibit Hall 4EF*

9:00 AM – 10:00 AM

- I1: Occupational Hygiene Capacity in Developing Countries, *602, 603*
- I2: Environmental Surface Disinfectants Use in Healthcare, *606, 607*
- I3: International Laboratory Standards of Practice, *608, 609*
- I4: Learning to Leverage NIOSH's PPE Activities, *611, 612*
- I5: Making OH&S Training Come to Life, *613, 614*
- I6: Insights on Exposure Monitoring, *615, 616, 617*
- I7: Impact of Ergonomics on ADA Cases, *618, 619, 620*
- I8: Erionite: The Ghost of Asbestos Past, *Ballroom 6A*
- I9: Bayesian and Professional Judgment Users' Group, Part 1, *Ballroom 6B*
- I10: Applying the Hierarchy of Controls to Infection Prevention, *Ballroom 6C*
- I11: Batteries, PCBs, and Pesticides, *Ballroom 6E*
- I12: Investigative Photography, *303*
- I13: Measuring Total Petroleum Hydrocarbon (TPH) Exposures, *307, 308*
- I14: SDS Authoring and Reviewing, Part 1, *310*

9:00 AM – 12:00 PM

- Resume Critiquing, *Hub Area 2 - CareerAdvantage Development Fair*

9:30 AM – 9:55 AM

- IH Professional Pathways- What's in it for you?, *Hub Area 1A - AIHA Education*
- Yoga Session 3, *Hub Area 1B - Health & Wellness*

9:30 AM – 1:30 PM

- TT-06 Pacific Fisherman, *Convention Place Entrance, 1st Floor*
- TT-07 Solstice, *Convention Place Entrance, 1st Floor*

10:00 AM – 10:25 AM

- Ask the Expert: Superfoods and Nutrition Takeaways, *Hub Area 1B - Health & Wellness*
- Submitting a Session Proposal for AIHce, *Hub Area 1A - AIHA Education*

10:15 AM – 11:15 AM

- J1: Notable Confined Spaces and Issues — Other Potential Exposures, *602, 603*
- J2: Volatile Organic Compounds (VOC) Criteria for New Construction, *606, 607*
- J3: An Effective Process Hazard Analysis (PHA), *608, 609*
- J4: Complex Interactions of Water System Contaminants, *611, 612*
- J5: Impulse Noise, Dosimetry, and F-Weighting: Topics in Noise, *613, 614*
- J6: Allergenic Biomolecules in Workplace and Home Environments, *615, 616, 617*
- J7: Why Not Jail, Part 1, *618, 619, 620*
- J8: Ebola and Other Infectious Diseases, *Ballroom 6A*
- J9: Bayesian and Professional Judgment Users' Group, Part 2, *Ballroom 6B*
- J10: Focus on Respirators, *Ballroom 6C*
- J11: GHS Combined with Control Banding, *Ballroom 6E*
- J12: Research on Welding Processes, Helmets, and Fume Sampling, *303*
- J13: Mentoring: Experiences, Advice, and Real World Application, *307, 308*
- J14: SDS Authoring and Reviewing, Part 2, *310*

10:30 AM – 10:55 AM

- AIHA Registry Programs, *Hub Area 1A - AIHA Education*
- Power and Empowerment: Visualize and Realize Success, *Hub Area 1B - Health & Wellness*

11:15 AM – 11:40 AM

- CorTemp Ingestible Core Body Temperature Sensor Technology, *Learning Pavilion 2, Exhibit Hall 4EF*

- Taking Your Hygiene Program to the Next Level: The Benefits of EHS Software, *Learning Pavilion 1, Exhibit Hall 4EF*

11:50 AM – 12:15 AM

- An Integrated Toolkit to Manage Environmental Impacts and Potential Risks at Industrial Facilities, *Learning Pavilion 1, Exhibit Hall 4EF*
- Intelix Occupational Health Solution, *Learning Pavilion 2, Exhibit Hall 4EF*

12:15 PM – 1:00 PM

- John Medina Book Signing, *AIHA Booth (#1211)*

1:00 PM – 1:25 PM

- Government Relations and You, *Hub Area 1A - AIHA Education*
- Power Stretches, *Hub Area 1B - Health & Wellness*

1:00 PM – 2:00 PM

- K1: The Value Proposition of Ergonomics, *602, 603*
- K2: Industrial Hygiene Statistics: The Next Generation, *606, 607*
- K3: All the World's a Risky Stage, *608, 609*
- K4: Multicultural Ethics: Calibrating Your Ethical Compass, *611, 612*
- K5: Oh, the Places You'll Go!, *613, 614*
- K6: ABIH Forum, *615, 616, 617*
- K7: Why Not Jail, Part 2, *618, 619, 620*
- K8: Hydrocarbon Exposures from Opening Storage Vessels, *Ballroom 6A*
- K9: Chemical Registration Systems and Disinfection Topics, *Ballroom 6B*
- K10: Nanoparticle and Diffusive Sampling, *Ballroom 6C*
- K11: Building Damage Restoration: IH Protocols, *Ballroom 6E*
- K12: Jeffrey S. Lee Lecture - The Intersection of Opportunity and Preparation, *303*
- K13: Reducing Dust and Silica Exposure, *307, 308*
- K14: Dust Explosion Hazards Management: NFPA *652, 310*

1:30 PM – 1:55 PM

- AIHA's Laboratory Accreditation Program, *Hub Area 1A - AIHA Education*
- Healthy Eating: Eating out, *Hub Area 1B - Health & Wellness*

1:30 PM – 4:30 PM

- TT-08: Chateau Ste. Michelle Winery and Redhook Brewery, *Convention Place Entrance, 1st Floor*

1:30 PM – 5:00 PM

- Forest Products Industry IH Forum, *Sheraton Seattle, Issaquah A&B*

Events take place at the Washington State Convention Center, unless otherwise noted.



2:15 PM – 3:30 PM

Closing Session

The Brains Behind Leadership

John Medina
Hall 4A

3:30 PM – 4:30 PM

- AIHA Annual Business Meeting, *3B*

3:30 PM – 5:00 PM

- Engineering Industry Special Interest Group, *Sheraton Seattle, Greenwood*

3:30 PM – 5:30 PM

- Lab Health and Safety Committee, *Sheraton Seattle, Redwood A&B*
- Minority Special Interest Group, *Sheraton Seattle, Cedar A&B*
- Stewardship and Sustainability Committee, *Sheraton Seattle, Ravenna B&C*
- Students and Early Career Professionals Committee, *Sheraton Seattle, Aspen Room*

4:00 PM – 6:00 PM

- Green Building Working Group, *Sheraton Seattle, Kirkland*
- Incident Preparedness and Response Working Group, *Sheraton Seattle, Willow B*

4:30 PM – 6:30 PM

- Confined Spaces Committee, *Sheraton Seattle, Willow A*
- Joint Industrial Hygiene Ethics Education Committee, *Sheraton Seattle, Madrona Room*

5:00 PM – 6:00 PM

- Branding Task Force (by invitation only), *Sheraton Seattle, Ballard*

5:00 PM – 7:00 PM

- Career and Employment Services Committee (by invitation only), *Sheraton Seattle, Capitol Hill*

5:30 PM – 6:30 PM

- AIHA Board of Directors Meeting, *Sheraton Seattle, Jefferson A&B*

Thursday At-a-Glance

As of April 14, 2017

Thursday, June 8

7:00 AM – 7:30 AM

- PDC Monitor Meeting, *604*

7:00 AM – 1:00 PM

- Speaker Ready Room, *604*


7:30 AM – 10:30 AM

- Registration, *Atrium Lobby*

8:00 AM – Noon

- PDC 901: Practical Approaches to Troubleshooting Common Ventilation Complaints and Problems, *602, 603*
-  PDC 902: Risk Assessment During An Incident Response, *606, 607*

8:00 AM – 5:00 PM

- PDC 801: Risk Assessment Boot Camp for IHS: Asbestos, Silica, Metals & Organic Compounds, *615, 616, 617*
- PDC 802: Occupational Exposure Banding in the Workplace including Emergency Response Applications, *613, 614*
-  PDC 803: Understanding the WELL Building Standard™, *608, 609*
- PDC 804: Hearing Protection, Communication, and Hearing Loss Prevention, *611*
- PDC 805: Practical Application of Whole Air Sampling, *618, 619, 620*
- PDC 806: Exposure Decision Analysis Toolkit, *612*

10:00 AM – Noon

- TT-010 The Bullitt Center Tour 2, *Convention Place Entrance, 1st Floor*

Noon – 1:00 PM

- PDC Lunches, *Hall 4B*

WEDNESDAY

Wednesday, June 7

Education Sessions

Full session descriptions may be found in the mobile app.

MARK of EXCELLENCE AWARDS

General Session

Mark of Excellence Awards Breakfast

7:00 AM - 8:30 AM

Hall 4A



WEDNESDAY

The Hub, Hall 4B

Student Posters Author Attend Time

9:00 AM - 10:00 AM Hub Area 4 - Posters

For a full list of co-authors and detailed abstracts, see AIHce 2017 Website.

11

Occupational Hygiene Capacity in Developing Countries

9:00 AM - 10:00 AM 602, 603

Presenters: Lydia Renton, BluMetric Environmental Inc., Ottawa, ON, Canada; Marianne Levitsky, WHWB, Toronto, ON, Canada; Mary O'Reilly, ARLS Consultants Inc., Manlius, NY.

12

Environmental Surface Disinfectants Use in Healthcare

9:00 AM - 10:00 AM 606, 607

Moderator: Cynthia Ellwood, Associates in Occupational + Environmental Health, LLC, Black Hawk, CO. **Presenters:** Erica Stewart, Kaiser Permanente, Pasadena, CA; George Byrns, Illinois State University, Normal, IL; Rob Strode, Chemistry & Industrial Hygiene, Inc., WheatRidge, CO.

13

International Laboratory Standards of Practice

9:00 AM - 10:00 AM 608, 609

Moderator: Thomas Fuller, Illinois State University, Bloomington, IL. **Presenters:** Frederique Parrot, Sanofi, France; Gustavo Delgado, Forensic Analytical Laboratories, Inc., San Francisco, CA; Marcos Domingos, Consultant, Sao Paulo, Brazil.

14

Learning to Leverage NIOSH's PPE Activities

9:00 AM - 10:00 AM 611, 612

Moderator: Penney Stanch, NASA, Houston, TX. **Presenters:** Susan Moore, NIOSH, Pittsburgh, PA; Lee Greenawald, CDC/NIOSH, Morgantown, WV.

15

Making OH&S Training Come to Life

9:00 AM - 10:00 AM 613, 614

Moderator: Bob DeHart, Retired, Boone, NC. **Presenter:** David Casavant, Sustainable Workplace Alliance, Lake Wales, FL.

16

Insights on Exposure Monitoring

9:00 AM - 10:00 AM 615, 616, 617

Moderator: Wei-Chung Su, University of Texas Health Science Center at Houston, Houston, TX.

9:00 AM - 9:20 AM

Comparison of Surrogate and API Monitoring Results

Shaobo Chen, International Safety System, Inc., China.

9:20 AM - 9:40 AM

Exposures from X-ray Vaporization of Beryllium Targets

Samuel Paik, Lawrence Livermore National Laboratory, Livermore, CA.

9:40 AM - 10:00 AM

Allergens in Buildings: New From the AAAAI

David Miller, Carleton University, Ottawa, ON, Canada.

17

Impact of Ergonomics on ADA Cases

9:00 AM - 10:00 AM 618, 619, 620

Moderator: Diane Herrera, Employers Insurance, Austin, TX. **Presenters:** Zachary Koutsandreas, Debra Lieberman, ER-GOWORKS Consulting, LLC, Gaithersburg, MD; William Collier, University of California at Merced, Merced, CA.

18

Erionite: The Ghost of Asbestos Past

9:00 AM - 10:00 AM Ballroom 6A

Moderator: Dale Stephenson, Boise State University, Boise, ID. **Presenters:** Andrey Korchevskiy, Chemistry & Industrial Hygiene, Inc., Wheat Ridge, CO; Amin Elamin, University of South Florida, Tampa, FL; Anna Shvedova, NIOSH, Morgantown, WV.

Events take place at the Washington State Convention Center, unless otherwise noted.

19

Bayesian and Professional Judgment Users' Group, Part 1

9:00 AM - 10:00 AM Ballroom 6B

Presenters: Paul Hewett, Exposure Assessment Solutions, Inc., Morgantown, WV; Perry Logan, John Mulhausen, 3M, St. Paul, MN.

110

Applying the Hierarchy of Controls to Infection Prevention

9:00 AM - 10:00 AM Ballroom 6C

Moderator: Steve Derman, MediSHARE Environmental Health & Safety Services, Cupertino, CA. **Presenter:** Bryan Christensen, CDC, Atlanta, GA.

111

Batteries, PCBs, and Pesticides

9:00 AM - 10:00 AM Ballroom 6E

Moderator: Rhiannon Filip, Golder Associates Ltd., Mississauga, ON, Canada.

9:00 AM - 9:20 AM

New Renewable Energy Technologies

Terry Thedell, San Diego Gas and Electric, San Diego, CA.

9:20 AM - 9:40 AM

PCBs in an Indoor School Environment

Ted Bowie, Ramboll Environ U.S. Corporation, San Francisco, CA.

9:40 AM - 10:00 AM

Reducing Toxic Pesticides Use

John Kabashima, UC Cooperative Extension, South Coast Research and Extension Center, Irvine, CA.

112

Investigative Photography

9:00 AM - 10:00 AM 303

Presenters: Jonathan Jacobi, Underwriters Laboratories, Franklin, TN.

113

Measuring Total Petroleum Hydrocarbon (TPH) Exposures

9:00 AM - 10:00 AM 307, 308

Moderator: Kimberly Carlson, Bureau Veritas North America, Inc., Houston, TX.

Presenters: Robert Nocco, Chevron Energy Technology Company, San Ramon, CA; Robert Lieckfield, Bureau Veritas North America, Inc., Novi, MI; Hans Umhoefer, Bureau Veritas North America, Oklahoma City, OK.

Exhibitor Product Demos and Presentations

8:30 AM - 12:30 PM, Expo Learning Pavilions 1 & 2, Hall 4EF

Expo Learning Pavilion 1

8:30 AM - 8:55 AM

Comprehensive Air Quality Monitoring

Particles Plus, Inc.

We will introduce our comprehensive line of particulate counters and air quality monitors. These instruments have many amazing, industry-first features, including a real-time meter, ultra-long battery life, intuitive IMS software, and more.



11:15 AM - 11:40 AM

Taking Your Hygiene Program to the Next Level: The Benefits of EHS Software

Medgate, Inc.

Many hygienists are managing programs with disparate systems, struggling to gather data from multiple locations. Medgate software offers the tools necessary to standardize data collection in addition to qualitative risk assessments used to prioritize resources. SEG management and Business Intelligence tools for tracking and reporting are also included.



11:50 AM - 12:15 PM

An Integrated Toolkit to Manage Environmental Impacts and Potential Risks at Industrial Facilities

RTI International

RTI will present the Onsite Assessment, Compliance and Inspection System (OACIS), developed for the Environment Agency - Abu Dhabi (EAD). OACIS is an integrated toolkit for managing environmental impacts and potential risks by coordinating compliance processes, facility risk assessment, and overall program management.



Expo Learning Pavilion 2

8:30 AM - 8:55 AM

Advanced Broadband Wireless Gas Detection

Honeywell Analytics

Introducing Honeywell's new AreaRAE Pro/Plus advanced broadband chemical, radiation, and gas detector. Twelve data points, including weather and sensors. Multiple communications protocols, including mesh radio, Wi-Fi, and Bluetooth, allowing for instant connections of 8 portable instruments. The new AreaRAE also includes relays.



11:15 AM - 11:40 AM

CorTemp Ingestible Core Body Temperature Sensor Technology

HQ, Inc.

CorTemp® is a wireless, temperature monitoring solution that enables you to detect elevated core body temperature in extreme workplace environments. Critical decisions can be made early on to protect your work force before the onset of heat stress and fatigue. There will be a demonstration of the sensor, data recorder, and app.



11:50 AM - 12:15 PM

Intelix Occupational Health Solution

Intelix Technologies Inc.

Occupational health is more than just delivering care to your employees. Managing the health of your work force can help your organization take a proactive approach in identifying opportunities for risk by understanding the cause, patterns, and effects of medical conditions impacting your work force. Intelix Occupational Health is a robust solution that will assist you in understanding the epidemiology of chronic conditions or episodic illnesses impacting your work force. The solution is built with rich functionality and paired with standard healthcare practices and protocols to help streamline the management of employee medical information and activities. This demonstration will focus on showcasing reporting, employee health records, and health programs within the Intelix system.



WEDNESDAY

Education Sessions WEDNESDAY, JUNE 7

114

SDS Authoring and Reviewing, Part 1

9:00 AM - 10:00 AM 310

Moderator: Robert Skoglund, Covestro, Pittsburgh, PA. **Presenter:** Denese Deeds, Industrial Health & Safety Consultants, Inc., Shelton, CT.

The HUB, Hall 4B

Resume Critiquing

9:00 AM - 12:00 PM
Hub Area 2 - CareerAdvantage Development Fair

IH Professional Pathways: What's in it for you?

9:30 AM - 9:55 AM
Hub Area 1A - AIHA Education

Presenter: Mary Ellen Brennan, AIHA, Falls Church, VA.

Yoga Session 3

9:30 AM - 9:55 AM
Hub Area 1B - Health & Wellness

Presenter: Alex Tran, Washington Athletic Club, Seattle, WA.

Ask the Expert: Superfoods and Nutrition takeaways

10:00 AM - 10:25 AM
Hub Area 1B - Health & Wellness

Presenter: Eric Chen, Washington Athletic Club, Seattle, WA.

Submitting a Session Proposal for AIHce

10:00 AM - 10:25 AM
Hub Area 1A - AIHA Education

Presenters: Janet Keyes, CHESS, Woodbury, MN; Martin Jones, Iowa City Va Health Care System, Iowa City, IA.

J1

Notable Confined Spaces and Issues & Other Potential Exposures

10:15 AM - 11:15 AM 602, 603

Moderator: Warren Brown, Retired, Fairborn, OH. **Presenters:** Robert Henderson, GfG Instrumentation, Inc., Ann Arbor, MI; Kenneth Eck, Quality Environmental Solutions & Technologies, Inc., Wappingers Falls, NY.

J2

Volatile Organic Compounds (VOC) Criteria for New Construction

10:15 AM - 11:15 AM 606, 607

Presenters: Paul Haas, Morse Associates - Building & Forensic Sciences, LLC, West Palm Beach, FL; Edward Light, Building Dynamics, Ashton, MD; Leslie Beyer, Gradient, Cambridge, MA.

J3

An Effective Process Hazard Analysis (PHA)

10:15 AM - 11:15 AM 608, 609

Moderator: Bob DeHart, Retired, Boone, NC. **Presenters:** Lindsay Booher, Exxon-Mobil, Houston, TX; Amy Duz, iWorkwise, Seattle, WA; William Winslow, Winslow Partnership, Lacey, WA.

J4

Complex Interactions of Water System Contaminants

10:15 AM - 11:15 AM 611, 612

Moderator: Cheri Marcham, Embry-Riddle Aeronautical University, Newcastle, OK.

Presenters: John Krause, FACS, Tallahassee, FL; Megan Canright, Ben Kollmeyer, Forensic Analytical Consulting Services, Inc., San Diego, CA.

J5

Impulse Noise, Dosimetry, and F-Weighting: Topics in Noise

10:15 AM - 11:15 AM 613, 614

10:15 AM - 10:35 AM

Hearing Protection for Impulse Noise
Elliott Berger, 3M, Indianapolis, IN.

10:35 AM - 10:55 AM

Noise Exposure among Workers Utilizing Two-Way Radios

Lynn Gilbertson, University of Wisconsin at Whitewater, Whitewater, WI.

10:55 AM - 11:15 AM

Proposed New Noise Weighting for Pregnant Workers

Robert Eninger, Dayton, OH.

J6

Allergenic Biomolecules in Workplace and Home Environments

10:15 AM - 11:15 AM 615, 616, 617

Moderator: Thomas Slavin, Cardno Chem-Risk, Chicago, IL. **Presenter:** Eva King, Indoor Biotechnologies, Inc., Charlottesville, VA.

J7

Why Not Jail, Part 1

10:15 AM - 11:15 AM 618, 619, 620

Moderator: Torey Nalbene, University of Texas at Tyler, Tyler, TX. **Presenter:** Suzanne Marria, Private Practice Attorney, San Francisco, CA.

J8

Ebola and Other Infectious Diseases

10:15 AM - 11:15 AM Ballroom 6A

Moderator: Steve Derman, MediSHARE Environmental Health & Safety Services, Cupertino, CA. **Presenter:** Aurora Le, Shawn Gibbs, Indiana University School of Public Health, Bloomington, IN.

J9

Bayesian and Professional Judgment Users' Group, Part 2

10:15 AM - 11:15 AM Ballroom 6B

Presenters: Paul Hewett, Exposure Assessment Solutions, Inc., Morgantown, WV; Perry Logan, John Mulhausen, 3M, St. Paul, MN.

J10

Focus on Respirators

10:15 AM - 11:15 AM Ballroom 6C

Moderator: Cheryl DuBois, 3M, Cottage Grove, MN.

10:15 AM - 10:35 AM

Respirator Fit: After the Fit Test

Margaret Sietsema, University of Illinois at Chicago, Chicago, IL.

10:35 AM - 10:55 AM

Respirator Seal Integrity Monitor for Firefighters

Bingbing Wu, University of Cincinnati, Cincinnati, OH.

10:55 AM - 11:15 AM

Negative Pressure Respirator: Physiological Effects of Use

Jane Whitelaw, University of Wollongong, Australia.

J11

GHS Combined with Control Banding

10:15 AM - 11:15 AM Ballroom 6E

Moderator: Yvonne Gazzard, YKG Consulting, Calgary, AB, Canada. **Presenter:** Michael Phibbs, Chemscape Safety Technologies, Calgary, AB, Canada.

WEDNESDAY, JUNE 7 Education Sessions

J12

Research on Welding Processes, Helmets, and Fume Sampling

10:15 AM - 11:15 AM 303

Moderator: Jun Wang, University of Oklahoma, Oklahoma City, OK. **Presenters:** Mike Keane, NIOSH, Morgantown, WV; Arlen Siert, Xcel Energy, Denver, CO.

J13

Mentoring: Experiences, Advice, and Real World Application

10:15 AM - 11:15 AM 307, 308

Moderator: Christina Elish Ortiz, Bell Helicopter, Euless, TX. **Presenters:** Kristin Hosfeld, Nexteer Automotive, Saginaw, MI; Susan Ripple, Susan Ripple Consulting, LLC, Midland, MI; Sophia Sushailo, 3M, Flemington, NJ.

J14

SDS Authoring and Reviewing, Part 2

10:15 AM - 11:15 AM 310

Moderator: Robert Skoglund, Covestro, Pittsburgh, PA. **Presenter:** Denese Deeds, Industrial Health & Safety Consultants, Inc., Shelton, CT.

The HUB, Hall 4B

AIHA Registry Programs

10:30 AM - 10:55 AM

Hub Area 1A - AIHA Education

Presenter: Angela Oler, AIHA, Falls Church, VA.

Power and Empowerment: Visualize and Realize Success

10:30 AM - 10:55 AM

Hub Area 1B - Health & Wellness

Presenter: Heather Adams, Washington Athletic Club, Seattle, WA.

Government Relations and You

1:00 PM - 1:25 PM

Hub Area 1A - AIHA Education

Presenter: Mark Ames, AIHA, Falls Church, VA.

Power Stretches

1:00 PM - 1:25 PM

Hub Area 1B - Health & Wellness

Presenter: Alex Tran, Washington Athletic Club, Seattle, WA.



John Medina Book Signing

12:15 PM - 12:45 PM

Be sure to stop by the AIHA Booth (#1211) and have your book signed.

K1

The Value Proposition of Ergonomics

1:00 PM - 2:00 PM 602, 603

Presenter: Blake McGowan, Humantech, Inc., Ann Arbor, MI.

K2

Industrial Hygiene Statistics: The Next Generation

1:00 PM - 2:00 PM 606, 607

Moderator: Lucinette Alvarado, Covestro LLC, Pittsburgh, PA. **Presenter:** Brent Altemose, SafeBridge Consultants, Inc., Easton, PA.

K3

All the World's a Risky Stage

1:00 PM - 2:00 PM 608, 609

Moderator: Frederick Boelter, RHP Risk Management Inc., Boise, ID. **Presenters:** Jacob Persky, RHP Risk Management Inc., Chicago, IL; Lynn Allison, Idaho Shakespeare Festival, Boise, ID; Leonard Zwack, NIOSH, Cincinnati, OH.

K4

Multicultural Ethics: Calibrating Your Ethical Compass

1:00 PM - 2:00 PM 611, 612

Moderator: Kate Bradford, State Department, Washington, DC. **Presenters:** Tim Paz, Architect of the Capitol, Washington, DC; Garrett Brown, Maquiladora Health and Safety Support Network, Berkeley, CA; Dwight Stevenson, Idaho National Laboratory, Idaho Falls, ID.

K5

Oh, the Places You'll Go!

1:00 PM - 2:00 PM 613, 614

Presenters: Melissa Rupert, SevenGen, Cincinnati, OH; Michael Finnamore, Baxter Healthcare Corporation, Round Lake, IL; Michael Larranaga, Ramboll, Dallas, TX.

K6

ABIH Forum

1:00 PM - 2:00 PM 615, 616, 617

Moderator: Ulric Chung, American Board of Industrial Hygiene, Lansing, MI. **Presenter:** Yvette Smith, American Board of Industrial Hygiene, Lansing, MI.

K7

Why Not Jail, Part 2

1:00 PM - 2:00 PM 618, 619, 620

Moderator: Torey Nalbene, University of Texas at Tyler, Tyler, TX. **Presenters:** Craig Benedict, Retired, Syracuse, NY; Greg Swinski, SUNY/Occupational Health Clinical Center, Syracuse, NY.

K8

Hydrocarbon Exposures from Opening Storage Vessels

1:00 PM - 2:00 PM Ballroom 6A

Moderator: Kimberly Carlson, Bureau Veritas North America Inc., Houston, TX. **Presenters:** John Snawder, NIOSH, Cincinnati, OH; Chad Hyman, Southwestern Energy, Spring, TX; Robert Nocco, Chevron Energy Technology Company, San Ramon, CA.

K9

Chemical Registration Systems and Disinfection Topics

1:00 PM - 2:00 PM Ballroom 6B

Moderator: John Rice, Intermountain Healthcare, Salt Lake City, UT.

1:00 PM - 1:20 PM

A Chemical Registration and Approval System

Jeffrey Nesbitt, Mayo Clinic, Rochester, MN.

1:20 PM - 1:40 PM

Germicidal Ultraviolet (UVC) for Surface Disinfection.

George Byrns, Illinois State University, Normal, IL.

1:40 PM - 2:00 PM

Robotic Pulsed Xenon Ultraviolet Disinfection Systems

Mike Squillace, Mayo Clinic, Rochester, MN.

K10

Nanoparticle and Diffusive Sampling

1:00 PM - 2:00 PM Ballroom 6C

1:00 PM - 1:20 PM

Finding the Nanoparticle Using Direct-Reading Instruments

Kevin Dunn, NIOSH, Cincinnati, OH.

1:20 PM - 1:40 PM

Sampling for Low Concentration and/or Short Duration Exposures

Evan Floyd, The University of Oklahoma Health Sciences Center, Oklahoma City, OK.

1:40 PM - 2:00 PM

Comparison of Three Nanoparticle Samplers

Andrew Castano, Colorado State University, Fort Collins, CO.

Education Sessions WEDNESDAY, JUNE 7

K11

Building Damage Restoration: IH Protocols

1:00 PM - 2:00 PM Ballroom 6E

Moderator: Jerry McCaslin, SeaCast, Inc, Marysville, WA. **Presenter:** Howard Wolf, HW3 Group, LLC, Chicago, IL.

K12

Jeffrey S. Lee Lecture The Intersection of Opportunity and Preparation

1:00 PM - 2:00 PM 303



Presenters: Jimmy Perkins, University of Texas Health Science Center, San Antonio, TX.

K13

Reducing Dust and Silica Exposure

1:00 PM - 2:00 PM 307, 308

Moderator: Thomas Slavin, Cardno Chem-Risk, Chicago, IL.

1:00 PM - 1:20 PM

Dust and Silica Exposures during Stone Countertop Fabrication

Margaret Phillips, University of Oklahoma Health Sciences Center, Oklahoma City, OK.

1:20 PM - 1:40 PM

Dust and Silica Exposures among WTC Cleanup Workers

Franklin Mirer, CUNY School of Public Health, New York, NY.

1:40 PM - 2:00 PM

Exposure Prevention in Underserved Global Settings

Marianne Levitsky, Allbridge, Inc., Toronto, ON, Canada.

K14

Dust Explosion Hazards Management: NFPA 652

1:00 PM - 2:00 PM 310

Presenter: Vahid Ebadat, DEKRA Insight, Princeton, NJ.

The HUB, 4B

AIHA's Laboratory Accreditation Program

1:30 PM - 1:55 PM

Hub Area 1A - AIHA Education

Presenter: Cheryl Morton, AIHA Laboratory Accreditation Programs, LLC, Falls Church, VA.

Ask the Expert: Superfoods and Nutrition Takeaways

1:30 PM - 1:55 PM

Hub Area 1B - Health & Wellness

Presenter: Eric Chen, Washington Athletic Club, Seattle, WA.

WEDNESDAY



Closing General Session The Brains Behind Leadership

2:15 PM - 3:30 PM

Hall 4A

Presenter: John Medina, University Of Washington, School Of Medicine, Seattle, WA.

Can the cognitive neurosciences inform us about what in the brain makes a great leader? What transforms a competent executive into a trailblazing boss is a combination of two seemingly contradictory skills: an intense focus on results coupled with strong social skills. Recent findings in the brain sciences have discovered the neurological basis behind these traits. Discover the behaviors that make great leaders and learn how to take the guesswork out of hiring or cultivating individuals with these characteristics.





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Poster Sessions

For full list of co-authors and detailed abstracts please see AIHce 2017 website.

All posters are in Hall 4B, Hub Area 4

Poster Session 1 Monday, June 5

Author Attend Time 10:00 AM - 11:00 AM

Topic: Hazard Recognition and Evaluation

- **184 - Xylene Exposure Effects on Adult Auditory Function.** *Presenter:* Francis Pleban, Tennessee State University, Nashville, TN.
- **232 - A Worker's Health Can Influence Reaction to Chemical Exposures.** *Presenter:* John Elias, Elias Occupational Hygiene Consulting Inc., Winnipeg, MB, Canada.
- **331 - An Analysis of Asbestos Exposures at the World Trade Center.** *Presenter:* Robert Adams, Ramboll Environ, Princeton, NJ.
- **360 - Detection Systems for Measuring Emissions from 3D Printing.** *Presenter:* Rachel Zisook, Cardno ChemRisk, San Francisco, CA.
- **442 - Proposed NIOSH Occupational Exposure Banding Process.** *Presenter:* Pranav Rane, CDC/NIOSH, Cincinnati, OH.
- **488 - Indoor Air Quality in Ice Arenas.** *Presenter:* Sunil Varughese, Public Health, Toronto, ON, Canada.
- **517 - Evaluation of Talcum Powders for Asbestos.** *Presenter:* Alexander Riordan, Cardno ChemRisk, Chicago, IL.
- **580 - A Sampling Method for Solanesol in Tobacco Smoke.** *Presenter:* Yoshihiro Suzuki, Sibata Scientific Technology Ltd., Japan.
- **614 - Exposures Following a Lithium-Ion Battery Thermal Runaway.** *Presenter:* Neva Jacobs, Cardno ChemRisk, Arlington, VA.
- **642 - Household Environment and Health in First Nations Communities.** *Presenter:* Shelley Kirychuk, University of Saskatchewan, CCHSA, Saskatoon, SK, Canada.
- **693 - Three New NIOSH Acid Analytical Methods.** *Presenter:* Derek Krause, Bureau Veritas North America, Inc., Novi, MI.
- **749 - Potential Hazards Related to the Operation of Indoor Swimming Pools.** *Presenter:* Jan Koehn, Jan Koehn, M.S., CIH, Inc., Houston, TX.
- **763 - Stability of Environmental Samples in Storage.** *Presenter:* Maire Heikkinen, Westat, Rockville, MD.
- **765 - Evaluation of 1,3-Butadiene and Benzene in a Chemical Plant.** *Presenter:*

Melanie Nembhard, Cardno ChemRisk, San Francisco, CA.

- **802 - Acetonitrile (ACN) Off-Gassing from DNPH Tubes.** *Presenter:* Richard Newton, Liberty Mutual Insurance Co., Marietta, GA.
- **811 - Developing an IBM Internal Occupational Exposure Limit for Indium and Indium Compounds.** *Presenter:* Jennifer Dimitri, IBM, San Jose, CA.

Poster Session 2 Tuesday, June 6

Author Attend Time 10:00 AM - 11:00 AM

Topic: Chemical & Material Hazards

- **185 - Noise Exposure Among Groundskeepers in North Carolina Universities.** *Presenter:* Jo Anne Balanay, East Carolina University, Greenville, NC.
- **248 - Characterizing Work Forces Exposed to Nanomaterials.** *Presenter:* Kelsey Babik, NIOSH, Cincinnati, OH.
- **259 - The Impact of the NIOSH Nanotechnology Research Center.** *Presenter:* Laura Hodson, CDC/NIOSH, Cincinnati, OH.
- **264 - The Limitations of SMPS Instruments for Characterizing Nanoparticles.** *Presenter:* Bean Chen, NIOSH, Morgantown, WV.
- **371 - Hearing Loss Risks from in Non-Coal Mining Industries?** *Presenter:* Kan Sun, NIOSH, Pittsburgh, PA.
- **502 - Noise Exposure from a Woodworking Mobile Dust Collector.** *Presenter:* Donna Vosburgh, University of Wisconsin-Whitewater, Whitewater, WI.
- **520 - Control of Zinc Oxide Nanoparticle Exposure in a Manufacturing Setting.** *Presenter:* Bob Higley, ESIS Health, Safety and Environment, Corona, CA.
- **552 - Controlling Health Hazards When Working with Nanomaterials.** *Presenter:* Eric Glassford, NIOSH, Cincinnati, OH.
- **563 - Formaldehyde Exposure in a Preserved Cadaver Storage Cooler.** *Presenter:* April Ames, University of Toledo, Toledo, OH.
- **605 - Custom Designed Safety Eyewear for Personalized Fit.** *Presenter:* Gabriel Judd, University of Alabama at Birmingham, Birmingham, AL.
- **613 - Enhanced Darkfield Microscopy and Hyperspectral Mapping Airborne Nanoparticles.** *Presenter:* Adrienne Eastlake, CDC/NIOSH, Cincinnati, OH.
- **643 - Elimination of Lead Exposure during Army Training.** *Presenter:* Alice

Weber, Army Public Health Center, Aberdeen Proving Ground, MD.

- **649 - Noise Exposure Estimates to Enhance HC Programs.** *Presenter:* Silvia Maberti, ExxonMobil Biomedical Sciences, Inc., Baytown, TX.
- **751 - Formaldehyde Exposure in a New Embalming Suite.** *Presenter:* Michael Valigosky, University of Toledo, Toledo, OH.
- **762 - Prevention through Design: Design it Out.** *Presenter:* Jonathan Bach, NIOSH, Cincinnati, OH.

Poster Session 3 Tuesday, June 6

Author Attend Time 2:00 PM - 3:00 PM

Topic: Safety

- **354 - Proposals for OEL Values For Workplace Chemicals in Poland.** *Presenter:* Slawomir Czerczak, Nofer Institute of Occupational Medicine, Poland.
- **461 - Implementing a Shop Safety Program at a University.** *Presenter:* Gary Bangs, University of Washington, Seattle, WA.
- **469 - Simple and Rapid Biomonitoring Test Kits Facilitate Occupational Screening.** *Presenter:* Lathan Ball, Chemitrac Limited, United Kingdom.
- **492 - Exposure to Metals from Artisanal Gold Mining Operations.** *Presenter:* Brian Pavilonis, City University of New York School of Public Health, New York, NY.
- **547 - Not Just an Internship Program.** *Presenter:* Kwangseog Ahn, University of Wisconsin-Whitewater, Whitewater, WI.
- **581 - Development of Worker H&S Recognition Programs.** *Presenter:* Teniope Adewumi, University of California at Los Angeles, Los Angeles, CA.
- **587 - Bioaerosol Exposures in Intensive Care Units.** *Presenter:* Chane-Yu Lai, Chung Shan Medical University, Taichung, Taiwan.
- **598 - Erionite: What is the Exposure Risk?** *Presenter:* Jennifer Ellis, Ramboll Environ, Princeton, NJ.
- **624 - Occupational Exposures to Gasoline Exhaust in an Outdoor Setting.** *Presenter:* Allison Insley, Cardno ChemRisk, Boulder, CO.
- **747 - Hazardous Drug Exposure: Beyond the Patient.** *Presenter:* Aaron Barrett, Army Public Health Center, Baltimore, MD.

Student Posters Wednesday, June 7

Author Attend Time 9:00 AM - 10:00 AM

For authors and full details please check AIHce 2017 website.

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Tuesday, June 6
9:00 a.m. – 3:00 p.m.

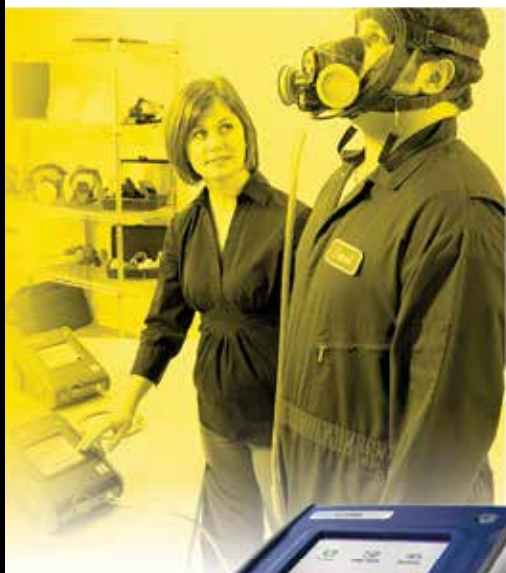
Wednesday, June 7
8:00 a.m. – 1:30 p.m.

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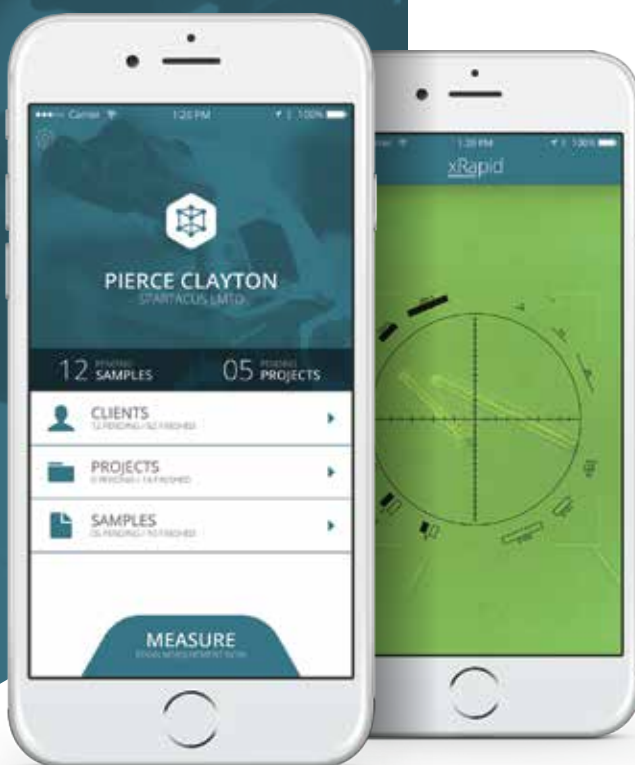
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Wednesday, June 7
8:00AM – 1:30PM



Expo Highlights

Washington State Convention Center

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Expo Hours

Monday, June 5 – 9:00 AM – 5:30 PM

(9:30 AM – 10:00 AM and 12:15 PM – 1:45 PM are non-compete hours)

Tuesday, June 6 – 9:00 AM – 3:00 PM

(9:00 AM – 10:00 AM and 12:15 PM – 1:45 PM are EXPO ONLY hours)

Wednesday, June 7 – 8:00 AM – 1:30 PM

(8:30 AM – 9:00 AM and 11:45 AM – 12:45 PM are EXPO ONLY hours)

Expo Hall Networking Reception

Monday, June 5 – 4:30 PM – 5:30 PM

Be sure to bring the complimentary drink ticket included in your badge materials.

Coffee & Danish in the Expo Hall

Tuesday, June 6 – 9:00 AM – 10:00 AM

Chat with our exhibitors and enjoy coffee and a snack.

AIHA Booth #1211 Happenings

Come meet our keynote speakers and have your book signed!

Monday, June 5 – 12:15 PM – 1:00 PM

Ken Jennings

Wednesday, June 7 – 12:15 PM – 1:00 PM

John Medina

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Want to hear about the latest and greatest innovations to assist you with solving your workplace problems? The Learning Pavilions are the perfect place to stay on top of what is fresh and innovative in our industry. Check the schedule and stop by for a variety of informative presentations, followed by short Q&A sessions.

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Booths 1611-1631 and Booths 1710-1730

Be sure to stop by to visit these first-time AIHce exhibitor partners who have new and exciting products and services to share!

Recharge and Relax

Give your devices a recharge at the AIHA Booth #1211 or stop by Booth #1652 for a mini-massage.

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Pathway Passport



Have your Pathway Passport stamped by participating exhibitors, and drop your completed entry in the box in the AIHA Booth (Booth 1211), by noon on Wednesday, June 7. Winning names will be drawn at 12:30 PM. The Grand Prize is a round trip and registration for AIHce 2018 in Philadelphia, PA. Second Prize is \$1,000.

Colden Corporation	1110
Dakota Software	1230
EM Lab P&K + TEST AMERICA	1322
Gas Clip Technologies, Inc.	1435
Industrial Scientific Corporation	1423
Kinetics Noise Control	1327
Magid	1128
Maxxam / Bureau Veritas	1405
Noise Control Engineering LLC	1118
RAECO Rents LLC	1431
SafeTec Compliance Systems	2207
S.E. International, Inc.	1429
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SDSpro	2111
SGS Galson Laboratories	1605
SiteHawk	1210
Uniphos Envirotronic Inc.	1539

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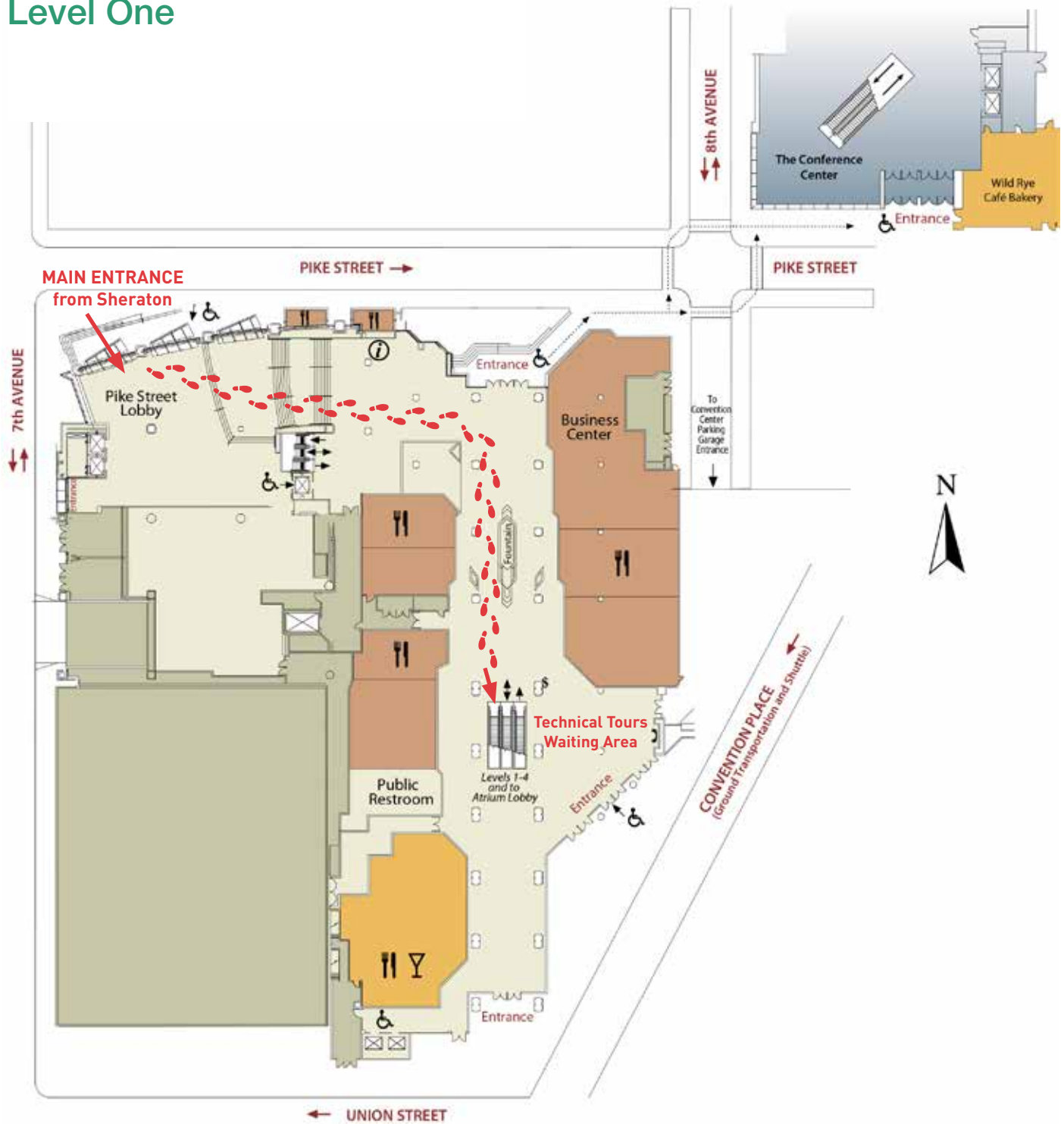
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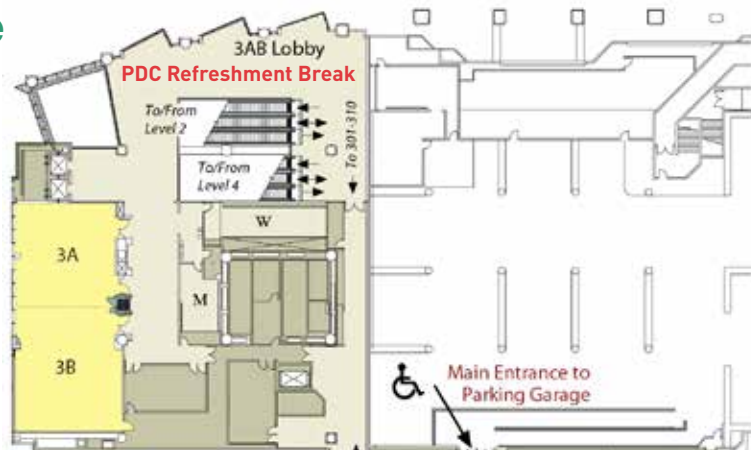
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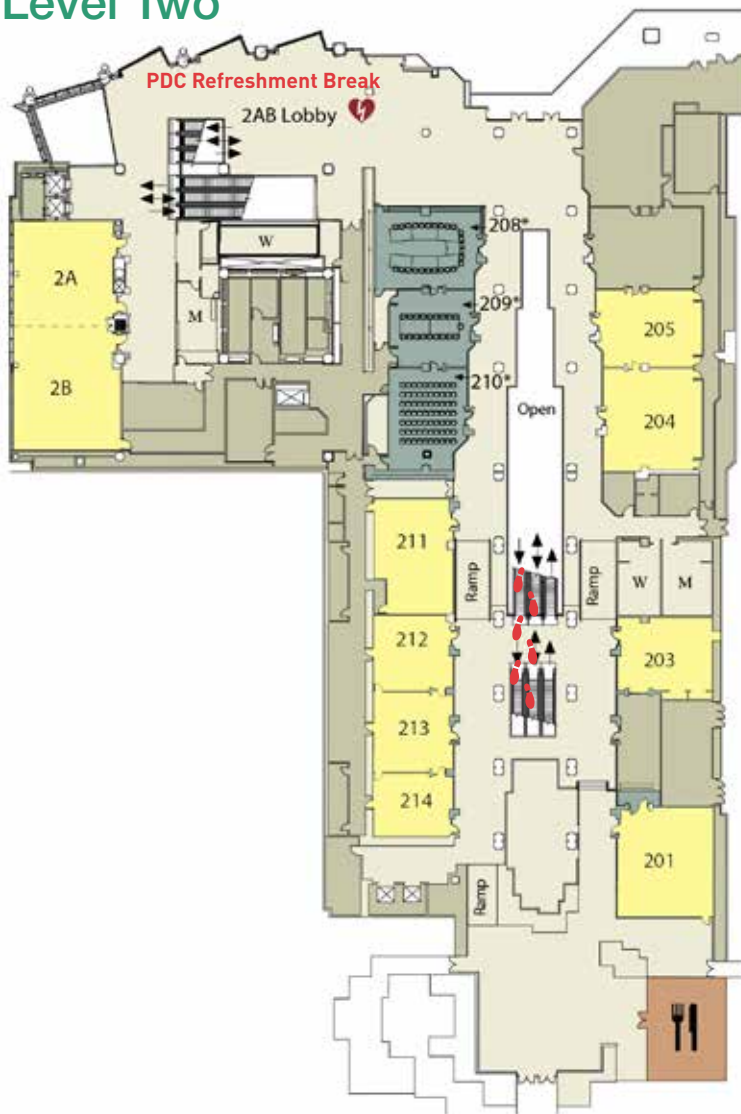
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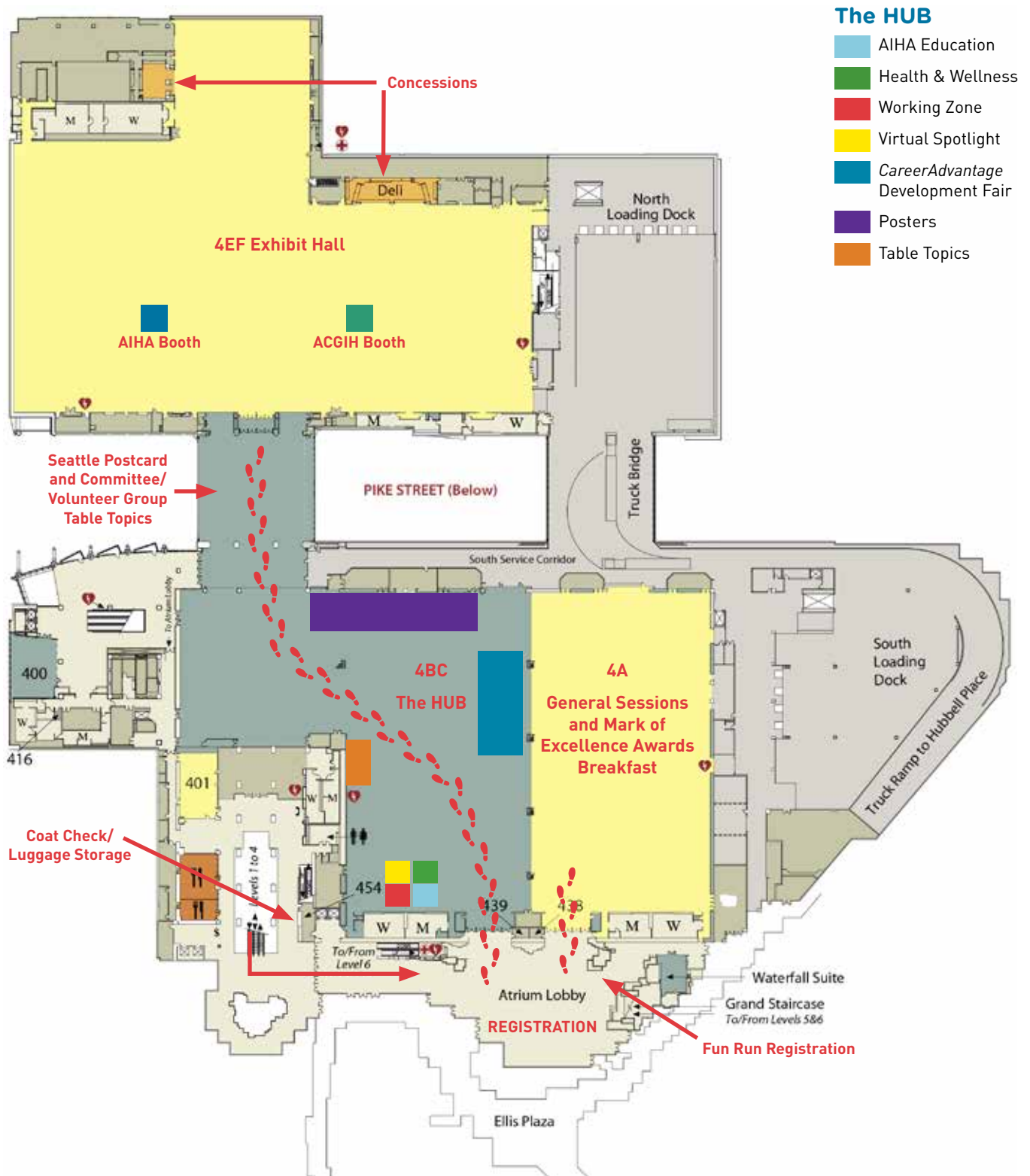
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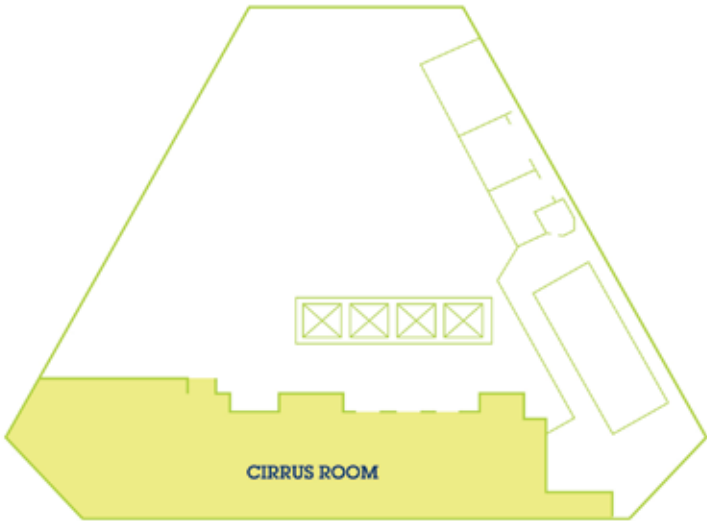
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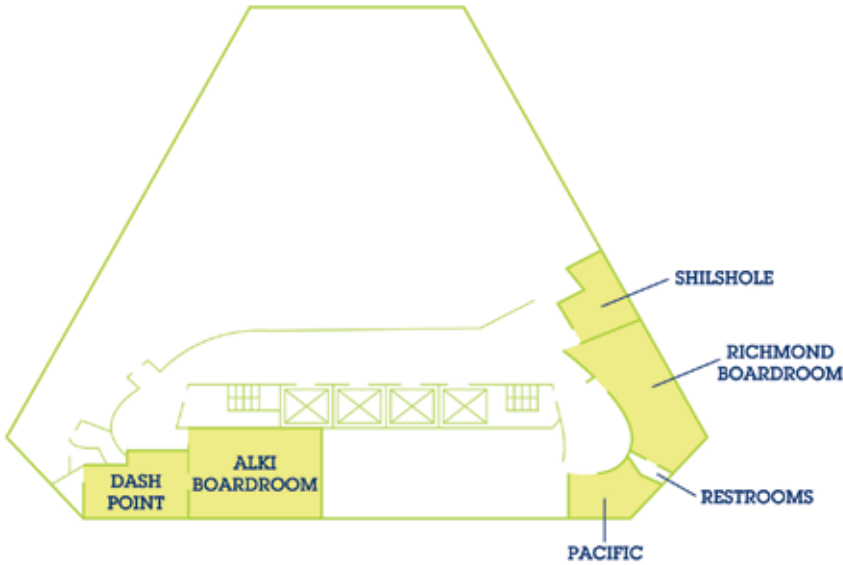
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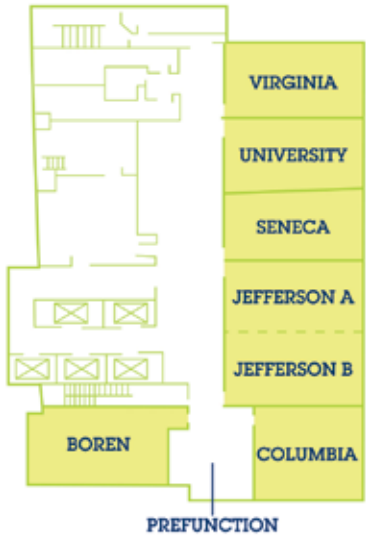
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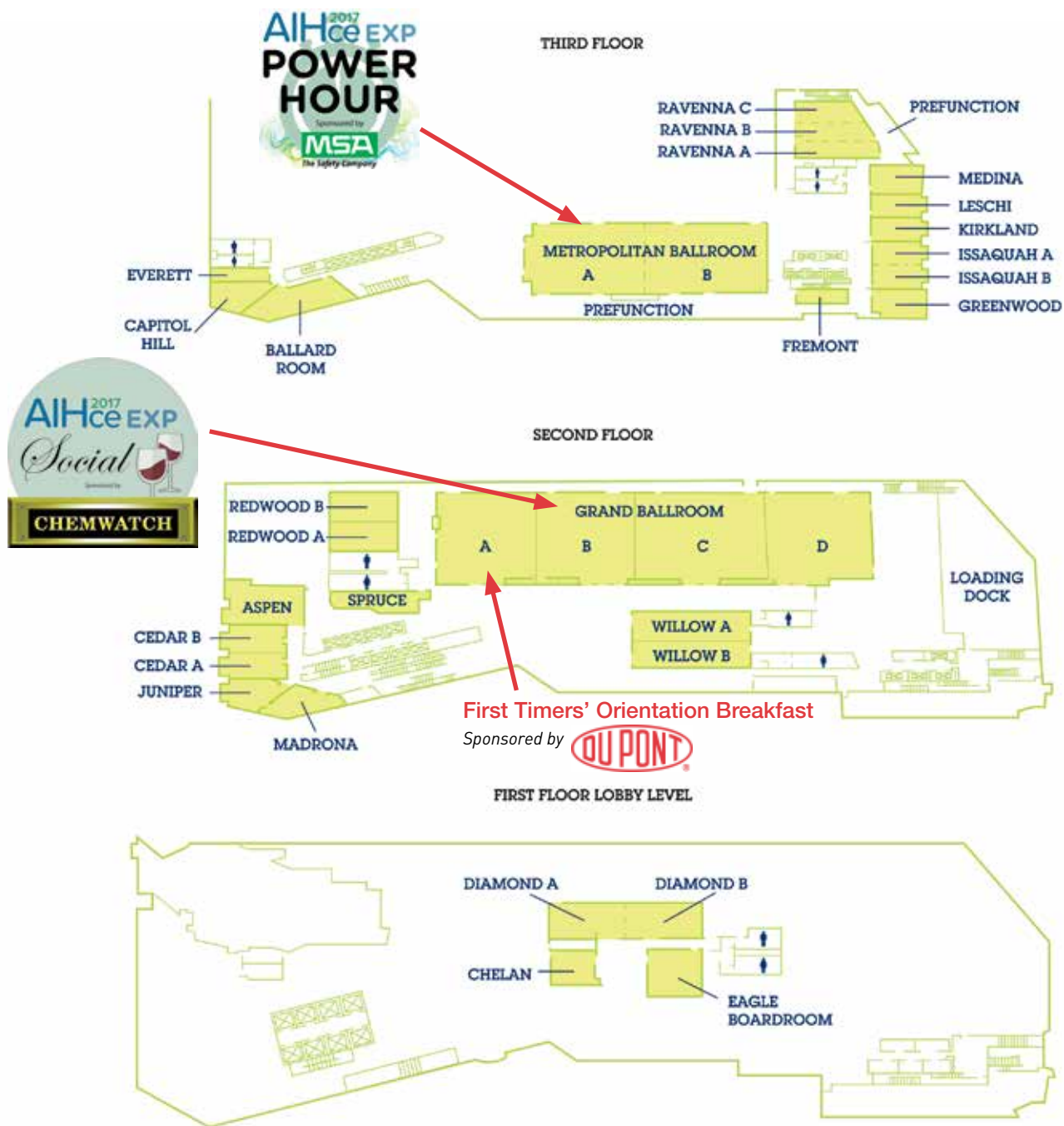
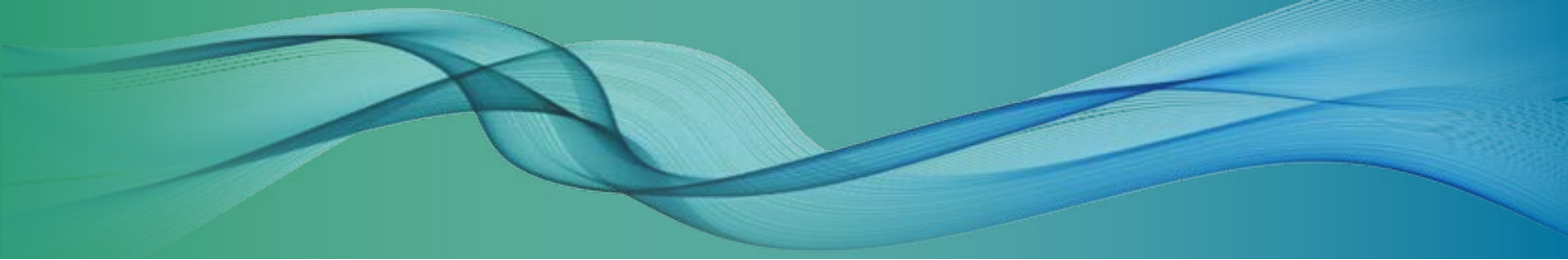


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