

Health, Safety, & the Pursuit of the Next Generation

# Final Program

Philadelphia, PA \* May 21-23

PDCs: May 19, 20, and 24

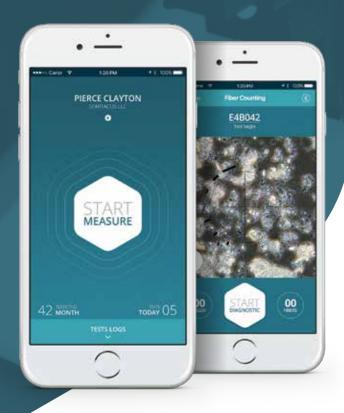
The Premier Conference and Exposition for Occupational and Environmental Health and Safety Professionals

www.AlHce2018.org

# XRAPID ENVIRONMENT

# TESTING THROUGH A DIFFERENT LENS

XRAPID-ENVIRONMENT.COM



# MEET THE FUTURE OF TESTING



# THE XRAPID **AI PLATFORM**

- ► Fully automated testing of molds and asbestos in minutes
- ► Consistent accuracy and precision using Artificial Intelligence
- ▶ Portable and easy to use
- ▶ **Complete** photo traceability of samples
- ▶ Integrated quality control
- ▶ Comprehensive reporting for accurate auditing
- User-friendly interface to help manage projects and clients
- ▶ Compatible with NIOSH 7400

By pairing artificial intelligence with a uniquely designed, fully-automated microscope, the xRapid Ai Platform can produce fast, accurate and more cost effective results then standard testing methods. Visit us to see the future of environmental testing.

#### **BOOTH# 1353**

Demonstration Learning Pavilion #1 Monday May 21 - 12:50-1:15







# The global leader in analytical testing services

# Full-service environmental and industrial hygiene testing laboratories including:

Visit us in Booth 1707!

- Vapor Intrusion/TO-15
- Lead (Paint, Wipe, Air)
- Beryllium/High Fired Beryllium
- Methamphetamine/Illicit Drugs
- Dietary Supplements
- Pesticides/Herbicides
- Perchlorate
- White Phosphorus
- Silica/Particulate (Respirable/Total)

- Amines
- TEM Characterization of Nanoparticles
- Vermiculite/Asbestos
- Explosives
- Hexavalent Chromium
- Antineoplastics
- Diacetyl/Acetoin



### We are the experts in analyzing Crystalline Silica by XRD!

- More than 30 years experience with NMAM 7500 and OSHA ID 142
- Rapid turnaround times, low reporting limits, and expert project managers at your service
- Fully accredited and compliant with NIOSH and OSHA guidelines

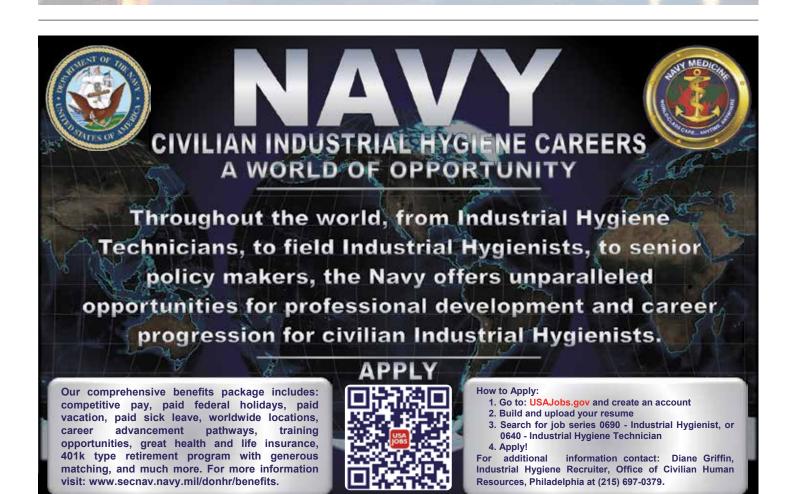


# Welcome to AIHce EXP 2018

#### **Table of Contents**

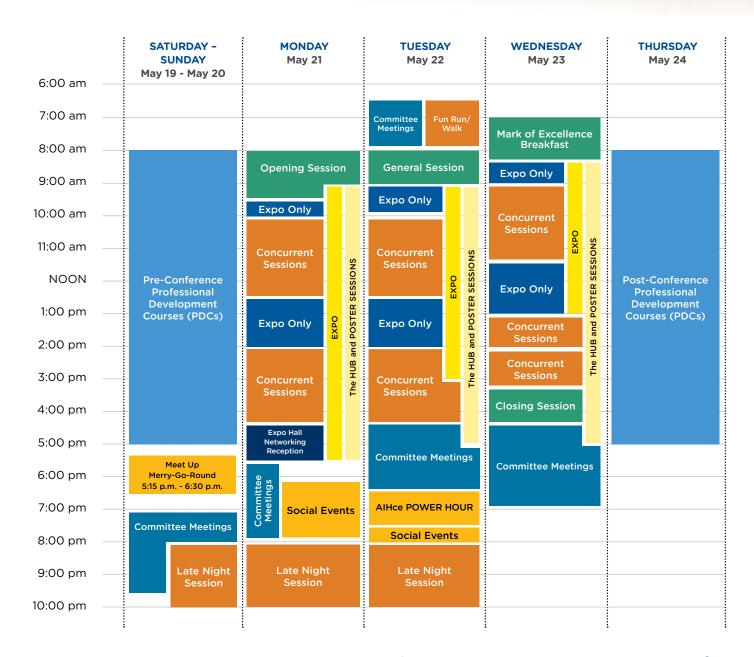
Education Sessions	
Friday / Saturday At-a-Glance	16
Sunday At-a-Glance	17
Monday	
At-a-Glance	18
Education Program	20
Expo Pavilion	21
Tuesday	
At-a-Glance	28
Education Program	30
Expo Pavilion	31
Wednesday	
At-a-Glance	40
Education Program	42
Thursday	
At-a-Glance	41
Poster Sessions	48

Expo 2018	
Expo Floor Plan	.50
Expo Highlights	.51
AlHce EXP 2018 Sponsors	
Exhibitors by Aisle	
Exhibitors by Alphabet	
Miscellaneous	
Advertiser's Index	.49
Pennsylvania Convention Center	.65
Marriott Philadelphia Downtown Hotel	.68
Board and Conference Committees	.70





# AIHce At-a-Glance



### Enhance Your AIHce EXPerience Through the App!

Download the conference mobile app today to receive a deeper EXPerience, thanks to our app sponsor SiteHawk!

- · Access maps and search exhibitors to plan your Expo Hall visits
- Set a personalized schedule and agenda
- Network with colleagues and friends, both old and new
- Private messaging available
- Share images and thoughts in the EXPERIENCE feed
- Play the CODENAME: IH Scavenger Hunt for a chance at great prizes
- Info available even when you can't get WiFi or cellular connections





# General Information

Conference events are held at the Pennsylvania Convention Center (PCC) unless otherwise noted. This includes education sessions, the Expo, the Hub, Speaker Ready Room, and the CareerAdvantage Development Fair. Volunteer groups and committees and Late Night Learning sessions will be held at the Marriott. A full listing of events may be found in the Schedules-at-a-Glance in the Final Program and on the AIHce EXP 2018 Mobile App.

#### **Badges**

#### Arch Street Bridge (2nd Floor), PCC

Registrants **MUST** wear a name badge to be admitted to all AIHce EXP 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 EXP 2018 events (including courses, sessions, socials, or in the Expo).

#### **CIH Requirements**

AIHce EXP 2018 attendees are eligible to earn up to 20 contact hours for full participation in general sessions, education sessions, and Late Night Learning sessions.

For detailed information about CIH requirements, contact ABIH directly at www.abih. org or visit the ABIH Booth (Booth 1026) while on-site.

#### Emergencies, First Aid, and Assistance

The safety and security of attendees and staff is the first priority of AIHA and the PCC. If a medical emergency occurs in the PCC, contact PCC Security Command Station at 215-418-4911 or by dialing ext. 4911. We respectfully request that you do not call 911 directly.

A first aid station staffed daily by an EMT, Saturday – Thursday, is located in the back of Hall A.

In the Marriott, contact Marriott Security Control Office by dialing ext. 51 from any house phone in the facility.

#### **Evaluations**

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

#### Expo

#### **Exhibit Hall A, PCC**

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.

NEW in 2018! Access to the Expo is now available via the Hub during open hours of the Expo only.

Do your gadgets need a boost after all the note taking, tweeting, and mobile app surfing you've been doing? Visit the AIHA Booth (1039).

#### 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 AIHce EXP 2018 mobile app.

#### Lost and Found

#### Information Desk, Arch Street Bridge, PCC

Lost and found items may be taken to/requested from the Information Desk on the 2nd Floor (Arch Street Bridge) in between Halls A and B. AIHce will turn items into PCC security each evening.

#### Mother's Room

The PCC offers two Mamava Nursing suites, one located between Halls A and B on the second floor, and the other on street level on the Broad and Arch Concourse.

#### Speaker Ready Room

#### Room 107, PCC

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 2:00 p.m.
Thursday	7:00 a.m 5:00 p.m.

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



#### **Proof of Attendance and PDC** Completion

Educational transcripts will be available by July 9, 2018. Member and nonmember educational transcripts will have contact hours uploaded for preconference courses (PDCs) and AIHce EXP 2018 attendance (up to 20 contact hours).

#### **OnDemand**

AlHce EXP OnDemand is the package of session recordings and is included with full conference registrations. Recordings will be available 6-8 weeks following the conference, and you will have access through December 31, 2018. Once available, you will receive an email with access and credit instructions. Credit is available for viewing the recordings. Detailed information will be included in the notification email.

#### **Technical Tours**

Gather for your tour inside the doors of the entrance to the PCC from 12th and Arch Streets (outside Room 107) at least 15 minutes prior to published tour departure. Attendees interested in wait-listing for tours will be taken on a first-come, firstserved basis after payment of tour fees if slots open on individual tours.

Disclaimer: The viewpoints and opinions expressed in the presentations, sessions, and discussions at AIHce EXP have not necessarily been approved or endorsed by AIHA or ACGIH.

Schedule Changes: The AIHce EXP 2018 schedule is correct at the time of publication. AIHce reserves the right to change or cancel sessions, presentations, or speakers without notice due to circumstances beyond its control. For the most up-to-date schedule, check the mobile app.

# Special Events

#### AIHce EXP Meetup Merry-Go-Round

Presented by Catalyst

#### Sunday, 5:15 p.m. - 6:30 p.m. Grand Hall, PCC



Kick off the conference by connecting with friends and meeting new colleagues. You'll be asked to group into 1 of 8 areas based on your responses to three questions asked during registration:

#### What is your number one goal during AIHce 2018? What is your favorite drink? What is your favorite movie/TV genre?

Here, you'll get to meet other professionals who responded with the same answer. Swap cards; trade phone numbers or emails; and get a signature on your Merry-Go-Round card... 20 minutes later, we'll switch groups and do it all over again. Complete your card and enter to win a Philly gift card! Your conference badge is required to attend this event.

#### First Timers' Meet and Greet

Sponsored by DuPont



#### Monday, 6:30 a.m. - 7:30 a.m. Grand Ballroom H, Marriott

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

#### Refresh and Recharge Snack Breaks

#### **Exhibit Hall A, PCC**

AIHce EXP is thrilled to introduce these great networking events on the Expo floor. Mix, mingle, network, and grab some snacks as you meet exhibitors, visit with colleagues, and learn about new products and services from AIHA and ACGIH. Your conference badge is required to attend these events.

#### Monday, 12:00 p.m. - 2:00 p.m.

Afternoon Healthy Break - Healthy snacks will help boost your energy for more education, networking, and the evening's events!

#### Monday, 4:30 p.m. - 5:30 p.m.

Expo Hall Networking Reception - This annual networking tradition gets the night started with some tasty nibbles and a free drink (ticket included in badge materials).

#### Tuesday, 9:00 a.m. - 10:00 a.m.

Coffee and Pastries - Start your morning with some coffee and a bagel or pastry. This a great time to chat with exhibitors about products and services that can help improve your workplace.

#### Tuesday, 9:00 a.m. - 10:00 a.m.

Barista Bar presented by Catalyst - Exclusively in AIHA Booth 1039

AIHA's new Catalyst Community launches at AIHce EXP! Visit Booth 1039 to walk through the system, sign up, and start posting - and grab an espresso to jump start your Tuesday EXPerience!

#### Tuesday, 12:00 p.m. - 2:00 p.m.

Hank's Ice Cream Float Bar presented by The Synergist – Hanks' Gourmet Beverages is a Philly family business. Enjoy a float featuring one of their 7 famous flavors!

#### Wednesday, 11:30 a.m. - 1:30 p.m.

Build Your Own Trail Mix - Fuel your brain for a strong finish to AIHce EXP 2018. What a perfect grab-and-go for your train, drive, or flight home!

#### The Hub

#### **Exhibit Hall B, PCC**

AIHce is thrilled to bring back last year's success, The Hub. This spot for interactive learning, health and wellness activities, posters, table topics, CareerAdvantage, and a spot to sit and catch up on emails, has been expanded this year to include live cooking demonstrations by Chef Tess and access to the Exhibit Hall during open Expo hours! You won't want to miss the excitement happening at the center of it all - AIHce EXP's Hub!

#### 32nd Annual **AIHF Fun Run**

#### Tuesday, 6:30 a.m. - 8:00 a.m.

Lace up your running shoes and run 5k or walk 2k. All participants (individual runners and sleep-in entries) must check-in at the Fun Run desk (Arch Street Bridge, PCC). Hours:

Sunday, 12:00 p.m. - 5:00 p.m. and Monday, 8:00 a.m. - 5:00 p.m.





#### AIHce POWER HOUR

Sponsored by MSA

#### Tuesday, 6:30 p.m. - 7:30 p.m. Grand Ballroom H, Marriott

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 a.m. - 8:30 a.m. Ballroom AB, PCC

The AIHce EXP 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.

# CareerAdvantage

Get the edge, and surge ahead.

CareerAdvantage Development Fair 2018

**Pennsylvania Convention Center** Hall B

The #1 Job Board for IH/OH/OEHS Professionals.

#### What Is a Résumé vs. Curriculum Vitae (CV)?

- Sharon Sperber, CIH
- Nancy Lawrence, PhD
- Bill Nichols, CHMM

#### Monday, May 21, 11:00 a.m. - Noon

Job searching can be one of the most challenging and stressful times in a person's life. Developing a résumé is not an easy task for many people, as we strive to relay all essential and professional information about ourselves in effort to gain a leg up on the competition. In an effort to assemble the perfect résumé, we sometimes unknowingly list too much information and create a "book" on our work/life history. This "book" is considered a curriculum vitae, or CV, and is not a résumé. In this session, presenters will discuss the differences between the two and provide tips for enhancing your résumé.

#### Onboarding a New Industrial Hygienist: The Good, the Bad, and the Better

- Kristin Osterkamp, CIH, CSP
- Isabel Zuclich, MPH, CIH, CSP
- Mary Ellen Brennan, SPHR, SHRM-SCP

#### Monday, May 21, 2:30 p.m. - 3:30 p.m.

We live in a dynamic work environment: New industrial hygiene professionals are entering the workplace, and industrial hygienists are changing jobs more frequently than ever before. This seminar will focus on the aspects of onboarding a new IH professional—from the first day on the job through independent work. An example onboarding process will be presented as well as challenges, successes, and best practices. Multiple presenters working in private industry, government, and human resources will share their onboarding experiences. Audience participation is encouraged.

#### **Mock Interviewing**

#### Tuesday, May 22, 10:00 a.m. - 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 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, May 22, 3:00 p.m. - 4:00 p.m.

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.

#### 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, May 21
  - 9:00 a.m. 11:00 a.m. and 1:00 p.m. 2:30 p.m.
- Tuesday, May 22
  - 9:00 a.m. 10:00 a.m. and 1:00 p.m. 3:00 p.m.
- Wednesday, May 23
  - 9:00 a.m.- Noon



# Student and Young Professional Activities

#### Students and Early Career **Professionals Track**

The following sessions are targeted specifically for students and those new to the profession:

- Connecting Campuses Monday, May 21, 2:30 p.m. - 2:55 p.m., Education in the Learning Zone, The Hub. Hall B
- H3: Student Internships: Lessons Learned From the Field Tuesday, May 22, 3:15 p.m. - 4:15 p.m., Room 111
- J1: Real-Time Sensor Technology: Applications by IH Students Wednesday, May 23, 10:15 a.m. - 11:15 a.m., Room 113BC
- How Being Mentored Can Help You as a

Wednesday, May 23, 1:30 p.m. - 1:55 p.m., Education in the Learning Zone, The

#### **First-Timers Meet and Greet**

Sponsored by DuPont

Monday, May 21 6:30 a.m. - 7:30 a.m. Marriott, Grand Ballroom H

First time attending AlHce? Meet other first-timers with whom you can network, partner with for sessions, and plan your evening activities.

#### SECP Table Topics: Q&A

Monday, May 21 12:00 p.m. - 1:00 p.m. Table Topics Zone, The Hub, Hall B

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

- CIH Exam Prep: Studying and Preparing for the Exam
- CIH Exam Prep: Applying for the Exam
- Safety Matters
- I'm Applying for Jobs That Require Travel, and I Could Use Some Advice
- Networking for the Industrial Hygienist
- IH Training Opportunities Through ERCs
- Getting Research Published in JOEH
- Communication Etiquette in the Digital

#### 28th Annual Student Poster Session

Monday, May 21 3:15 p.m. - 4:15 p.m. Student Posters Zone, The Hub.

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

"Best in Show" and awards given by AIHA Volunteer Groups will be presented on Wednesday morning at the Mark of Excellence Breakfast.

#### **Student Local Sections** Council Business Meeting

Tuesday, May 22 11:00 a.m. - 12:30 p.m. Room 202A

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.

#### **Mentoring Program Networking Event**

Hosted by the AIHA Mentoring and Professional Development Committee

Sponsored by ABIH



This invitation-only event is open to 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 2012 in the Expo Hall.

#### **Volunteer Group Meetings**

#### Sunday, May 20 - Wednesday, May 23

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 nontechnical topics, including many that address the specific needs of industrial hygiene students and young professionals. Check the AIHce mobile app for a complete list of all AIHA Volunteer Groups meeting this week. The following are groups that focus specifically on the needs of students and early career professionals:

- Mentoring and Professional Development Committee Meeting Sunday, May 20, 7:00 p.m. - 9:00 p.m.,
  - Marriott, Room 405
- Students and Early Career Professionals Committee Meeting Monday, May 21, 6:00 p.m. - 8:00 p.m.,

Marriott, Grand Ballroom B



# AIHA® and ACGIH® Named Awards and Recognition

#### AIHA® Fellows

The 2018 Fellows will be recognized at the Mark of Excellence Breakfast on Wednesday, May 23. The Fellow pin ceremony will take place during the Fellows SIG meeting on Tuesday, May 22.



Charles L. Blake. CIH, FAIHA Nominated by Bob Lieckfield Jr., CIH. FAIHA, Yuma Pacific Southwest Section



Murray Lee Cohen, PhD, CIH, FAIHA Nominated by Hayley Rutt, North Texas Local Section



Eric Esswein, MSPH, CIH, CIAQP, **FAIHA** Nominated by Bradley King, PhD, MPH, CIH, AIHA Rocky Mountain Local Section



Andrew Maier, PhD, CIH, DABT, FAIHA Nominated by Jerald Ovesen, PhD, Toxicology Committee



Tuan N. Nguyen, MBA, CIH, CSP, ARM, FAIHA Nominated by Bonnie L. Sander, M.S., CIH, CSP, and Mary O'Reilly, Ph.D., CIH, CPE, FAIHA



Julie M. Panko, CIH, FAIHA Nominated by Frank, J. Pokrywka, EdD, CIH, Pittsburgh Local Section



Walter G. Rostykus, MSPH, CIH, CSP, CPE, FAIHA Nominated by Blake McGowan, CPE



Philip A. Smith, PhD, CIH, FAIHA Nominated by Lee Monteith, CIH, FAIHA, Real Time **Detection Systems** Committee

#### AIHA® Named Awards

All AIHA Named Awards will be presented at the Mark of Excellence Breakfast on Wednesday, May 23.

#### Edward J. Baier Technical Achievement Award

Sponsored by Bureau Veritas North America Inc., 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 2018 recipients are Shawn G. Gibbs, PhD, MBA, CIH; Elizabeth L. Beam, PhD, RN; Aurora B. Le, MPH, CPH; Jocelyn Herstein, MPH; Katelyn Jelden, MPH; and John-Martin J. Lowe, PhD The recipients were nominated by Shawn G. Gibbs, PhD, MBA, CIH.

Mr. Gibbs is executive associate dean for academic affairs, interim associate dean for research and graduate studies and professor of environmental health at Indiana University. Ms. Beam is education researcher, UNMC Interprofessional Academy of Educators, at the University of Nebraska Medical Center—College of Nursing. Ms. Le is academic specialist: project coordinator/education specialist, Biosafety and Infectious Disease Training Initiative NIEHS WTP, Department of Environmental and Occupational Health, at the Indiana University School of Public Health—Bloomington. Ms. Herstein is program coordinator at University of Nebraska Medical Center. Ms. Jelden is a research associate, Department of Environmental, Occupational and Agricultural Health, at the University of Nebraska Medical Center. Mr. Lowe is assistant vice chancellor for interprofessional health security training and education, Office of the Vice Chancellor for Academic Affairs; associate professor of environmental, agricultural, and occupational health, College of Public Health; director of research, Nebraska Biocontainment Unit, Nebraska Medical Center; and executive council, Global Center for Health Security at the University of Nebraska Medical Center.

#### Distinguished Service to AIHA 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 2018 recipient is Allan K. Fleeger, CIH, CSP, FAIHA, who was nominated by Elizabeth Pullen, CIH, FAIHA.

Mr. Fleeger has been actively involved and contributing in substantial ways to AIHA since he joined in 1991. In 2000, he was chair of the Practices, Standards, and Guidelines Committee, and he also received the Kusnetz Award. In 2002, he co-authored the first edition of the "Industrial Hygiene Reference and Study Guide," which has been a best-seller, especially for those newer industrial hygienists looking to become certified. He was a driving force behind the creation of the Future Leaders Institute, which has been successful in generating young leaders for AIHA, and he served as chair from 2005 to 2007. Mr. Fleeger went on to serve on the AIHA Board of Directors for 10 years (2004-2013), as director, treasurer, and president. Immediately after his term as president, he was active in the creation of the new Product Stewardship Society, serving as its inaugural president for three years (2013-2016). He also edited the



Congratulations to our 2018 Award recipients for their enduring professional dedication. All will be honored during the AIHce 2018 Mark of Excellence Breakfast on Wednesday, May 23, 7:00 a.m. - 8:00 a.m. in PCC, Ballroom AB

"Product Stewardship Value Proposition." In addition to all of these volunteer contributions to AIHA, Mr. Fleeger was able to handle a demanding job in Exxon Mobil, becoming the industrial hygiene manager for the Americas Region (2007-2010) and then the global product stewardship and regulatory affairs manager (2010-present).

#### Donald E. Cummings Memorial Award



This award is bestowed on 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 2018 recipient is Mark Stenzel, CIH, FAIHA, who was nominated by Susan Arnold, PhD, CIH, FAIHA, and Gurumurthy Ramachandran, PhD, CIH, FAIHA. The recipient will present

the Cummings Award lecture.

Mr. Stenzel has been contributing to the industrial hygiene profession since 1975, starting out as plant health chemist, rising through the ranks to manager of industrial hygiene and health services at Hoechst Celanese and later director of health at Occidental Chemical Corporation. After retiring from Occidental, he established his own consulting firm, focusing on exposure assessment. He co-authored four chapters in "A Strategy for Assessing and Managing Occupational Exposures" (4th edition), in which he offered wisdom gained from decades of IH practice. An active member of the AIHA Exposure Assessment Strategies Committee for more than 25 years, Mr. Stenzel has also co-instructed PDCs at international, national, and regional AIHA conferences.

#### **Kusnetz Award**



Sponsored by the late Howard Kusnetz and Florence Kusnetz, this award honors a certified industrial hygienist who has reached his or her 40th birthday by May 1 of the year in which the award is presented, is currently employed in the private sector, exhibits high ethical standards and technical abilities, has provided for the highest standards of health and safety protection, and shows promise of leadership in the industrial hy-

giene profession. The 2018 recipient is Srinivas Durgam, CIH, who was nominated by James Couch, PhD, CIH, CSP, REHS/RS, and Diana Harrington Peroni, CIH.

Mr. Durgam is an accomplished EHS leader and coach with 12 years of experience in leading global EHS teams to enable sustainable innovation and execute on regional regulatory and global internal compliance EHS expectations. As the global EHS manager for General Electric, GE Additive, he is responsible for the development of EHS strategy for the GE and GE Additive business unit, including standardization of program, process, and infrastructure EHS requirements, and driving of best-practices-sharing projects and solving pain points across P&L additive manufacturing sites. He is responsible for the integration of the \$1.5 billion acquisition of Concept Laser and Arcam, and enabling the sustainable adoption of additive manufacturing by connecting with industry thought leaders and academic and governmental agencies. Mr. Durgam is accountable for EHS performance of seven sites, 1,100 employees, and an operating budget of \$1.2 million.

#### 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 2018 recipient is Margaret M. Quinn, **ScD, CIH**, who was nominated by Robert F.

Herrick, ScD, CIH.

Dr. Quinn has made significant contributions by advancing the scientific approach to recognition, evaluation, and control of health hazards across a wide range of workplace environments. She is a professor of occupational and environmental hygiene at the University of Massachusetts Lowell. She is certified in the comprehensive practice of industrial hygiene (CIH #3305) and is a longtime member of the AIHA and local section NEAIHA. Her career, which spans more than 30 years, has focused on public service, research, and teaching, and she is committed to positive change for worker health. For the past 15 years, Dr. Quinn has directed the Safe Home Care Project, funded by the National Institute for Occupational Safety and Health, to foster a healthy, productive home care workforce to care for our rapidly aging population. The focus of the Safe Home Care Project's research and outreach are home care aides, who are among the lowest-paid workers in the United States and are predominantly female and racial/ethnic minorities. The Safe Home Care research team works with a large partnership network of home care agencies, labor unions, direct care workers, government, elder services, and community stakeholders.

#### Social Responsibility Award



Sponsored by Bureau Veritas North America Inc., this award is presented to an individual, entity, group, or organization that works inside organizations to develop and promote practical solutions to social responsibility issues related to industrial hygiene or environmental health and safety issues. The 2018 recipient is Renae Goldman, CIH, FAIHA, who was nominated by Jennifer Dimitri, CIH.

As a lead IH, Ms. Goldman is responsible for strategic initiatives and addressing emerging issues. She defined and implemented health risk assessment and management approaches globally for products and processes involving nanomaterials. She was recognized with a 3M Circle of Technical Excellence Award (division level) for this work, and she led the corporate team in anticipating, influencing, and addressing nanotechnology related EHS/regulatory impacts. She plays a key role in continuous improvement of 3M's Product Life Cycle Management processes and systems (with a focus on exposure risk assessment and management) and leverages them globally to strengthen health and safety aspects of stewardship and sustainability at 3M. Ms. Goldman served on the Global Product Stewardship Steering Team.

# Named Awards and Recognition

#### Henry F. Smyth Jr. Award



This award is presented to an individual who has recognized the needs of the industrial hygiene profession and has made major contributions to fulfill those needs. thereby contributing to the improvement of public welfare. The 2018 recipient is Cheryl L. Marcham, PhD, CIH, CSP, CHMM, FAIHA, who was nominated by Elizabeth Pullen, CIH, FAIHA. The recipient will present the Smyth Award lecture.

Ms. Marcham has a passion for industrial hygiene and safety and has continually searched for ways to contribute to the profession and make a difference in workers' lives and community health. She has been active in many technical committees and is always looking for ways to bring our technical knowledge into practice. Recently, she has been researching and making presentations on electronic cigarettes, communicating the latest information about the little-known hazards of this popular device. She's written a number of white papers on issues related to indoor air quality and has been active with the IEQ committee. She served on the AIHA Board of Directors from 2010 to 2013 as a director, and she has served as the local sections council vice chair and chair from 2013 to 2017; she was on the Board of Certified Safety Professionals from 2014 to 2017. For the safety programs she developed, the Oklahoma Worker Safety Policy Council recognized her with the 1998 Award of Excellence. She was also recognized by the Campus Safety Division of the National Safety Council /Campus Safety Health and Environmental Management Association in 1995, 1997, 1998, and 1999.

#### Yant Award



Sponsored by the Mine Safety Appliances Company, this award is presented annually for outstanding contributions in industrial hygiene or allied fields to an individual residing outside of the United States. The 2018 recipient is Andrea Sass-Kortsak, PhD, CIH, FAIHA, who was nominated by Lydia Renton, B.S., CIH, ROH, FAIHA.

Ms. Sass-Kortsak is one of the pioneers who spurred the growth of occupational hygiene in Canada. With over 35 years in the profession, she has helped provide the framework not only for the master's program in occupational hygiene at University of Toronto but also for the Canadian registration body, the Canadian Registration Board of Occupational Hygienists. She was instrumental in the formation of the CRBOH in 1986 and was the first registrar (volunteer position). Ms. Sass-Kortsak was the chief examiner of the ROH for the early years of 1990 to 2004. As an educator and as associate chair and vice dean at the University of Toronto for over 30 years in the MOH (now MPH) program, she has taught, mentored, and impacted many occupational hygienists in Canada. Recently, she rejoined the Board of the CRBOH (she is a former president) to ensure continuity of the rigors of its exam processes.

#### 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. The 2018 recipient will be announced at the Mark of Excellence Breakfast.

#### 2018 ACGIH® Awards

All ACGIH® Awards will be presented at the ACGIH® Membership Reception and Annual Meeting on Sunday and presented at the Mark of Excellence Breakfast on Wednesday.

#### 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 Robert F. Herrick, ScD, CIH.

Dr. Herrick is a senior lecturer on industrial hygiene in the Occupational Health Program at the T.H. Chan Harvard School

of Public Health. Dr. Herrick has a 35-year history of service to ACGIH®. He became a member of ACGIH® in 1986 and joined the board of directors in the early 1990s; he served as its chair first in 1992 and again in 2013. Dr. Herrick also served as the U.S. delegate to the board of IOHA shortly after the organization was founded in 1987. He served on the IOHA board from 1991 to 1995 and was its president in 1996. He was certified in the comprehensive practice of industrial hygiene by ABIH in 1980. He has served in leadership roles on committees and panels for AIHA, the Environmental Protection Agency, and NIOSH, to name a few. Dr. Herrick has presented at approximately 100 international meetings and symposia. He is an author of more than 100 peer-reviewed scholarly articles in occupational and environmental hygiene and has authored or edited 10 books or book chapters. While serving as guest editor of the American Journal of Industrial Medicine, he made a strong contribution to the field, mentoring students and publishing other occupational and environmental health researchers. Dr. Herrick has authored 44 technical reports of studies and investigations in occupational and environmental settings. He has served on the editorial boards of numerous occupational hygiene and health journals, helping build the research and scientific bases for professional practice.

#### 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 Bennet I. Omalu, MD, MBA, MPH, CPE, DABP-AP, CP, FP, NP.

Dr. Omalu, a Nigerian-born physician, is a volunteer associate clinical professor at UC Davis in the Department of Pathology

and Laboratory Medicine. Between 2002 and 2007, he discovered a disease, which he named chronic traumatic encephalopathy, in high-impact contact sports athletes when he performed autopsies and examined the brains of American football players and World Wrestling Entertainment wrestlers. His work facilitated the elucidation of modern-day concepts of traumatic brain injury—that repetitive and innocuous impacts to the head, with time, can result in permanent brain damage and dementia. In 2010, Dr. Omalu discovered CTE in war veterans when he performed autopsies and examined the brains of retired Iraqi war veterans who had suffered from post-traumatic stress disorder and committed suicide. He termed it the "Blast Variant of CTE." In 2013, Dr. Omalu's work was

# Named Awards and Recognition

featured in a best-selling and award-winning book and PBS documentary, "League of Denial: The NFL's Concussion Crisis" and also in a book and film, both titled "Concussion." Will Smith portrayed Dr. Omalu in the film.

#### 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 Mark D. Hoover, PhD, CHP, CIH, FAIHA.

Dr. Hoover is a senior research scientist in the Respiratory Health Division of NIOSH and currently serves as co-director of the Center for Direct Reading and Sensor

Technologies and coordinator of the NIOSH Exposure Assessment Program. Dr. Hoover came to NIOSH in 2000, following 25 years of successful energy-related respiratory research at the Lovelace Respiratory Research Institute (formerly the Inhalation Toxicology Research Institute) within the federal government's special purpose laboratory system. He is a certified health physicist and a certified industrial hygienist. Dr. Hoover's substantial contributions over his 43-year career in the areas of inhalable materials and worker protection are documented in more than 240 open literature papers, chapters, and edited books, including the reference text on radioactive air sampling methods, and are further exemplified in national and international standards as well as in nearly 350 professional presentations and student mentorship.

#### John J. Bloomfield Award



This award is presented to a young industrial hygienist who pursues the problem of occupational health hazards primarily by conducting fieldwork and who demonstrates significant contribution to the profession. This year's recipient is Carl E. Johnson, CIH, CSP.

Mr. Johnson earned his Bachelor of Science in environmental science and chemistry

and his Master of Science in industrial hygiene from the University of Minnesota. He is a lean six sigma black belt and an industrial hygiene specialist for 3M. In this role, he works with 3M facilities, new acquisitions, product developers, and business leaders around the world to improve workplace and product health and safety. His primary research interests are in the areas of hearing conservation, industrial noise control, and chemical exposure assessment. Mr. Johnson's field experience has taken him throughout North and South America, Europe, Asia, and Australia. Mr. Johnson is the past chair of the AIHA Noise Committee and an active member of both the AIHA Exposure Assessment Committee and the AIHA Student and Early Career Professionals Committee. He is an instructor for several AIHA PDCs and is a frequent guest lecturer at the University of Minnesota School of Public Health. Mr. Johnson was a keynote speaker at the 2017 International Health Forum and China-US Occupational Health Symposium in Beijing. He is a member of the team that won the 2016 NHCA/NIOSH Safein-Sound Excellence Award. Mr. Johnson serves on the Biomedical Medical Ethics Institutional Review Board at the University of Minnesota. He was inducted into the Delta Omega Honor Society for Public Health in 2017and was selected for the AIHA Future

Leaders Institute in 2011. He is a certified industrial hygienist and a certified safety professional.

#### Robert T. Hughes Memorial Award



Established in 2015, this award recognizes outstanding individuals in the field of industrial ventilation. This year's recipient is Raymond (Ray) B. Hunter.

Mr. Hunter retired from Ray Hunter and Associates Inc. with more than 50 years of industrial ventilation experience. A native of West Virginia, Mr. Hunter attended the University of Louisville on a naval scholarship

and graduated with a degree in mechanical engineering. Commissioned into the Navy, he served on the USS Cook, based in San Diego, California. After serving in the Navy, Mr. Hunter joined the American Air Filter Corporation. There, he was the manager of the Fabric Filter Products Group and opened the AAF branch office in Birmingham, Alabama, for all product lines throughout the southern region. When AAF began closing its branch offices, Mr. Hunter founded Ray Hunter and Associates Inc. as a manufacturer's representative firm specializing in industrial air pollution control products and systems; he served there until his retirement. Mr. Hunter was an Instructor for the Connecticut Industrial Ventilation Conference, the Michigan State Industrial Ventilation Conference, and the North Carolina State Industrial Ventilation Conference. He founded and chaired the University of Alabama-Auburn University Industrial Ventilation Conference and the Las Vegas Industrial Ventilation Conference. Mr. Hunter has a legacy in the industrial ventilation community as a staunch supporter and promoter of the industrial ventilation guidelines and practices outlined by the ACGIH® "Industrial Ventilation Manual." His clarity on applications insight and ethical practice has left an undeniable footprint in our industry.

#### **AIHA Volunteer Groups** Lila Albin Award

Since 1997, the AIHA® Indoor Environmental Quality Committee has evaluated journal articles and recognized one each year. The article must (a) be peer reviewed and published in the Journal of Occupational and Environmental Hygiene, (b) provide practical information and expand the 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 recipients are Aleksandr B. Stefaniak, PhD, CIH, Ryan F. LeBouf, PhD, CIH, Jinghai Yi, Jason Ham, Timothy Nurkewicz, Diane E. Schwegler-Berry, Bean T. Chen, PhD, J. Raymond Wells, Matthew G. Dulling, Robert B. Lawrence, Stephen B. Martin Jr., PhD, PE, Alyson R. Johnson, and M. Abbas Virji, ScD, CIH for "Characterization of Chemical Contaminants Generated by a Desktop Fused Deposition Modeling 3-Dimentional Printer."

#### Rachel Carson Award

The AIHA® Environmental Issues Committee bestows this highest honor to Gerald Markowitz, PhD, and David Rosner, MSPH, PhD in recognition of their environmental advocacy in the spirit of Rachel Carson. This award is bestowed on an environmental health and safety professional who has attained outstanding success and distinction in his or her environmental and industrial health and safety business, profession, or life's work.

# Named Awards and Recognition

#### 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

#### 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.

#### 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 Envi- ronmental Hygiene during the calendar year that precedes the conference. This year's recipients are S. Williams Ischer, M.B. Farnell, G.T. Tabler, M. Moreira, P.T. O'Shaughnessy, PhD, CIH, and M.W. Nonnenmann, PhD, CIH for "Evaluation of a Sprinkler Cooling System on Inhalable Dust and Ammonia Concentrations in Broiler Chicken Production."

### Margaret Samways Memorial Student Poster

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 are reviewed by the AIHA® Aerosol Technology Committee. This year's award is presented to Taekhee Lee, Larry Lee, Emanuele Cauda, Jon Hummer, and Martin Harper for their paper, "Respirable Size-Selective Sampler for End-of Shift Quartz Measurement: Development and Performance."

#### **Upton Sinclair Memorial Lecture Award**

The Upton Sinclair Memorial Lecture on EHS Investigative Reporting is hosted by the AIHA® Social Concerns Committee. Journalist Sara Mojtehedzadeh will discuss her expose on "North America's Invisible Workers" on Monday, May 21, from 3:15 to 4:15 p.m.

#### 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 Tyler M. Brady, Amanda L. Strauch, Claudia M. Almaguer, George Niez, Ronald E. Shaffer, Jr., PhD, Patrick L. Yorio, and Edward M. Fisher for "Transfer of Bacteriophage MS2 and Fluorescein From N95 Filtering Facepiece Respirators to Hands: Measuring Fomite Potential."

#### 2017 AIHA® Bestseller

This award is presented to the editor of the publication that sold the most copies during the year. The 2017 best-seller is presented to Daniel H. Anna, PhD, CIH, CSP, the editor of The Occupational Environment: Its Evaluation, Control, and Management, 3rd edition. In 2017, AIHA® sold 390 copies of this publication. This award will be presented at the Mark of Excellence Breakfast.

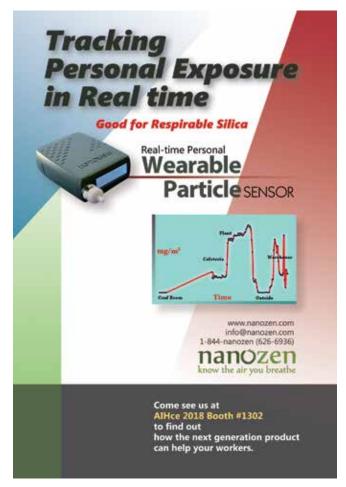
#### 2017 Critics' Choice Award

The Critics' Choice Award honors a publication completed in 2017. The AIHA® Publications Committee evaluates all publications and selects those based on their impact on the profession, originality, and quality of writing. This year's recipients are Erica J. Stewart, CIH, FAIHA, HEM and Roberta Smith, RN, MSPH, CIC, COHN-S, CIH, the editors of Guidelines for the Selection and Use of Environmental Surface Disinfectants in Healthcare. This award will 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. MIHS continues to present a Best Paper Award each year. This year's winners are Brian Rembialkowski, Margaret Sietsema, and Lisa Brosseau, ScD, CIH for their article, "Impact of Time and Assisted Donning on Respirator Fit," JOEH, 14:9, 669-673.





### **Professional Liability Insurance** for Industrial Hygiene and Environmental Consultants



AIHA.alliant.com

Call us today for a free quote! (855) 279-AIHA

#### **POLICY HIGHLIGHTS**

**Professional Liability** Commercial General Liability Pollution Liability Contractors Pollution Liability Mold Coverage

> **ENDORSED BY** ≪AIHA

**VISIT ALLIANT AT BOOTH #1330** 

# Friday/Saturday At-a-Glance

As of April 4, 2018 ★ denotes a NEW PDC

#### Friday, May 18

#### 3:00 p.m. - 4:00 p.m.

Speaker Ready Room, Room 107AB

#### 5:00 p.m. - 7:00 p.m.

• Registration, Arch Street Bridge

#### Saturday, May 19

#### 7:00 a.m. - 7:30 a.m.

PDC Monitor Meeting, Room 107AB

#### 7:00 a.m. - 5:30 p.m.

- Registration, Arch Street Bridge
- Speaker Ready Room, Room 107AB

#### 8:00 a.m. - 9:00 a.m.

 Trilateral Meeting (AIOH, BOHS, AIHA Leadership) (by invitation only), Marriott, Room 308

#### 8:00 a.m. - Noon

- PDC 201: Smart Devices and the EHS Professional,
- ★ PDC 202: Managing Health Exposures in Confined Spaces, Room 108A
- ★ PDC 203: A Sampling & Analysis Plan for Collecting Environmental Samples, Room 112AB
- ★ PDC 204: Occupational Hazards and Illnesses Related to Skin and Nails. Room 118A
- PDC 205: Exposure Monitoring for VOCs, Utilizing Thermal Desorption Tubes, Both Passively and Actively, Room 103A

#### 8:00 a.m. - 5:00 p.m.

- PDC 101: Electrical Safety I Basic Principles & Engineering Controls, Room 103C
- PDC 102: Strengthening EHS Leadership & Teamwork, Room 104AB
- PDC 103: The Industrial Hygienist as Expert Witness, Room 113C

- ★ PDC 104: The New AIHA Technical Guide for Wildfire Impact Investigations for the OEHS Professional, Room 120A
- PDC 105: Bayesian Statistics for Analyzing Occupational Exposure Data Using "R", Room 110AB
- PDC 106: Understanding Leadership from the Masters, Room 117
- PDC 107: Noise Control Engineering Proven and Effective Workplace Solutions, Room 119B
- ★ PDC 108: Protective Clothing and Equipment for Emergency Preparedness and Response, Room 113A
- PDC 109: So, Now You are the Radiation Safety Officer! Now What?. Room 116
- PDC 110: Theory and Application of the 4 Gas/PID Sensor Technology, Room 105AB
- PDC 111: The Good, the Bad, & the Ugly E&HS at the Worst Plant. Room 108B
- ★ PDC 701: Process Safety and Risk Management for the Industrial Hygienist — Day 1, Room 120C
- PDC 702: Exposure Assessment Strategy & Statistics for Managing Occupational Exposures — Day 1, Room 121A
- PDC 703: Upstream Oil & Gas Exposures A Complex Problem — Day 1, Room 121B
- PDC 704: Methods and Applications for Chemical Detection in Real Time — Day 1, Room 121C
- ★ PDC 705: Communicating Risk Pathways A Journey from EHS Hazards Identification to Enterprise Risk Management (ERM) - Day 1, Room 122A
- PDC 706: OHS Management System Auditor Day 1, Room 122B

#### 8:30 a.m. - 5:00 p.m.

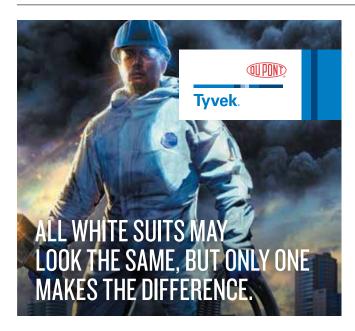
 Analytical Accreditation Board Meeting, Marriott, Room 414

#### Noon - 1:00 p.m.

PDC Lunches, Rooms 201ABC and 204ABC

#### 1:00 p.m. - 5:00 p.m.

- ★ PDC 301: Confined Spaces The Good, the Bad, and the Ugly, Room 103A
- PDC 302: Comparative Ethics, Room 120B
- ★ PDC 304: The Selection and Use of Environmental Surface Disinfectants in Healthcare, Room 108A
- PDC 305: Transforming Risk Decision-Making and Judgment Skills, Room 118C
- PDC 306: Creating and Implementing a Successful Job Hazard Analysis, Room 115C
- ★ PDC 307: Strategic Partnerships to Reduce Worker Exposure Risks, Room 112AB



The lightweight, durable protection of Tyvek® helps protect against a variety of chemical and particulate workplace hazards, yet it breathes to keep you comfortable all day long. Whatever the job, there's a Tyvek® garment to fit your needs.

#### Learn more at booth #1806.

Copyright © 2018 DuPont. All rights reserved. The DuPont Oval Logo, DuPont™ and Tyvek® are trademarks or registered trademarks of E.I. du Pont de Nemours and Company or its affiliates.



# Sunday At-a-Glance

As of April 4, 2018

#### Sunday, May 20

#### 7:00 a.m. - 7:30 a.m.

PDC Monitor Meeting. 107AB

#### 7:00 a.m. - 5:30 p.m.

Speaker Ready Room, 107AB

#### 7:00 a.m. - 6:30 p.m.

Registration, Arch Street Bridge

#### 8:00 a.m. - Noon

- PDC 501: Flood Disaster Response and Resiliency, Room 108A
- ★ PDC 502: Impact of Ergonomics on ADA Cases, Room 116
- PDC 503: Traditional and Novel Microbiological Methods for Indoor Microbial Investigations, Room 118C
- PDC 504: Nanotechnology Old Theories and New Concepts, Room 118A
- ★ PDC 505: Introduction To Toxicology for the IH Professional, Room 115C

#### 8:00 a.m. - 4:00 p.m.

 ACGIH Board of Directors Meeting, Marriott, Room 305/306

#### 8:00 a.m. - 5:00 p.m.

- AIHA Board of Directors Meeting, Marriott, Grand
- PDC 401: Ebola & Other Infectious Diseases of Public Health Significance for the IH, Room 113C
- PDC 402: Skin Exposure and Biological Monitoring of Chemicals, Room 105AB
- PDC 403: If I'm Teaching, Why Aren't They Learning?!, Room 103A
- PDC 404: Utilizing Regulations and Consensus Standards to Ensure Safe Confined Space Entry,
- PDC 405: Welding: Identifying Exposures and Controls, Room 119A
- PDC 406: Environmental Law for Industrial Hygienists and Safety Professionals, Room 120A
- PDC 407: Exposure Judgment: Improving Inhalation Assessments, Room 117
- PDC 408: A Case-Based Introduction to Chemical Exposure Modeling, Room 104AB
- ★ PDC 409: Leadership Principles for Occupational Health & Safety Professionals, Room 120B
- ◆ PDC 410: Advanced Concepts in Noise Control and Hearing Conservation, Room 119B
- PDC 411: Exposure Reconstruction and Epidemiology — How to Benefit Future Epidemiology Studies. Room 113A

- PDC 412: The Fundamentals of an Effective Respiratory Protection Program, Room 112AB
- PDC 413: Choosing the Correct Radiation Detection Instrument for Your Needs, Room 109AB
- PDC 414: Electrical Safety II Energized Work Practices/Arc Flash/NFPA 70E (2018 Edition), Room 103C
- PDC 415: Practical Application of Whole Air Sampling, Room 108B
- PDC 701: Process Safety and Risk Management for the Industrial Hygienist — Day 2, Room 120C
- PDC 702: Exposure Assessment Strategy & Statistics for Managing Occupational Exposures -Day 2, Room 121A
- ★ PDC 703: Upstream Oil & Gas Exposures A Complex Problem — Day 2, Room 121B
- PDC 704: Methods and Applications for Chemical Detection in Real Time - Day 2, Room 121C
- ★ PDC 705: Communicating Risk Pathways A Journey from EHS Hazards Identification to Enterprise Risk Management (ERM) — Day 2, Room 122A
- PDC 706: OHS Management System Auditor Day 2, Room 122B

#### Noon - 1:00 p.m.

- PDC Lunches, Rooms 201ABC and 204ABC
- Teen Workplace Safety Task Force, Marriott, Room 307

#### 1:00 p.m. - 5:00 p.m.

- SDS & Label Authoring Registry Exam, Marriott,
- PDC 601: OS&H Global Standards for Children, Slaves, Migrants, and other Underrepresented Workers, Room 108A
- ★ PDC 602: From Disaster to Recovery How VOCs Can Ruin Your Day, Room 116
- PDC 603: How to Assess and Manage Nanomaterial Risks, Room 118C
- ★ PDC 604: The Art and Science of Analyzing Risk — What a Practicing IH Needs to Understand, Room 115C
- PDC 605: Toxicology of Particulate Matter, Room 118A

#### 5:15 p.m. - 6:30 p.m.

Meetup Merry-Go-Round, Grand Hall



#### 5:30 p.m. - 7:00 p.m.

 ACGIH Membership Reception and Annual Meeting of the Membership, Marriott, Grand Ballroom D

#### 6:30 p.m. - 8:00 p.m.

 American Industrial Hygiene Foundation Reception (by invitation only), Del Frisco's Double Eagle Steak House; 1426-28 Chestnut Street; Philadelphia, PA 19102

#### 7:00 p.m. - 8:00 p.m.

- Nanotechnology Working Group, Marriott, Room 411/412
- Toxicology Committee, Marriott, Room 407

#### 7:00 p.m. – 9:00 p.m.

- Academic Accreditation Committee, Marriott, Room 402/403
- · Computer Applications Committee, Marriott, Room 408/409
- Healthcare Working Group, Marriott, Room 414/415
- ISS Annual Forum, TBD
- Mentoring and Professional Development Committee, Marriott, Room 405

#### 7:30 p.m. - 9:30 p.m.

- Biological Monitoring Committee, Marriott, Room 406
- Ionizing Radiation Committee, Marriott, Room 410

#### 8:00 p.m. - 9:30 p.m.

• Future Leaders Institute (FLI) Reception (by invitation only), McGillin's Olde Ale House; 1310 Drury Street; Philadelphia, PA 19107

#### 8:00 p.m. - 10:00 p.m.

• Late Night Learning: The Silent Tsunami: Understanding Mental Health and Psychosocial Disorders in the Workplace, Marriott, Room 302/303



Full session descriptions may be found in the mobile app. Events take place at the Pennsylvania Convention Center unless otherwise noted.

# Monday At-a-Glance

As of April 4, 2018

#### Monday, May 21

#### 6:30 a.m. - 7:30 a.m.

- AIHA Volunteer Groups State of Affairs Breakfast, Marriott, Liberty Ballroom
- · First Timers' Orientation Meet and Greet, sponsored by DuPont, Marriott, Grand Ballroom H

#### 7:00 a.m. - 5:30 p.m.

• Registration, Arch Street Bridge

#### 8:00 a.m. - 9:30 a.m.



**Opening Session** Three Megatrends and Four Best **Practices That** Will Shape Your **Business Future** 

Rich Karlgaard Ballroom AB

#### 8:00 a.m. - 4:00 p.m.

Speaker Ready Room, Room 107

#### 9:00 a.m. - 4:00 p.m.

CareerAdvantage Development Fair Open, The Hub, Hall B

- Online Job and Resume Postings all day
- Resume Critiquing 9:00 a.m. 11:00 a.m.
- On-Site Interviews 9:00 a.m. Noon
- What is a Resume vs. Curriculum Vitae 11:00 a.m. - Noon
- Resume Critiquing 1:00 p.m. 2:30 p.m.
- On-Site Interviews 1:00 p.m. 3:00 p.m.
- Onboarding a New Industrial Hygienist The Good, The Bad, and The Better -2:30 p.m. - 3:30 p.m.

#### 9:00 a.m. - 5:30 p.m.

Exhibit Hall Open, Hall 4A

Passport to Prizes, Expo Learning Pavilions, Special Displays, Concessions, AIHA Booth

#### 9:30 a.m. - 9:55 a.m.

- Earl Dotter Photo Exhibit, Education in the Learning Zone, The Hub, Hall B
- Chair Yoga, Health and Wellness in the Learning Zone, The Hub, Hall B

#### 10:00 a.m. - 11:00 a.m.

- A1: New Multi-phase Sampler for Inhalable Fraction Vapor (IFV) Compounds, Room 112
- A2: Perspectives on Preparation for the CIH Exam v13.0. Room 113
- A3: Exploring Serious Anjuries 8 Fatalities for Postive Change Room 119
- A4: Research on Welding Fume Emission and Engineering Control, Room 103
- A5: Controlling the Hazards: Parts, Sparks, and Strokes, Room 115BC
- A6: Managing Occupational Exposures to Infectious Agents, Room 108A
- A7: Breaking Through the Risk Management Compliance Paradox, Room 108B
- A8: Response Efforts to Confirmed Legionnaires' Disease in Assisted Living Facilities, Room 117
- A9: Corporate EH&S Software Applications: From Selection to Rollout, Room 111
- A10: New AIHA Technical Guide for Wildfire Impact Investigations for the OEHS Professional, Part 1,
- A11: An Introduction to the Revised Strain Index,
- A12: Skin Matters: Absorption, Sensitization, and Transfer Efficiencies. Room 113A
- A13: Improving the Indoor Environment: Case Studies in Office and School Settings, Room 105
- A14: Bayesian Professional Judgment Users Group, Part 1, Room 109
- A15: Ask the Expert: Opening Keynote Speaker, Room 119

#### 10:00 a.m. - 10:25 a.m.

- Local Section President/President-Elect Training. Education in the Learning Zone, The Hub, Hall B
- The Foundation of Power & Engagement, Health and Wellness in the Learning Zone, The Hub, Hall B

#### 10:00 a.m. - 12:00 p.m.

Women in IH Forum (by invitation only), Room 201A

#### 10:30 a.m. - 10:55 a.m.

- Why You Should Become a Mentor, Education in the Learning Zone, The Hub, Hall B
- Healthy Eating: Food as Medicine, Health and Wellness in the Learning Zone, The Hub, Hall B

#### 10:30 a.m. - 12:00 p.m.

 FOHS Board of Trustees Meeting (by invitation only), Marriott, Room 304

#### 11:15 a.m. - 12:15 p.m.

B1: Not All Gloves Are Created Equal: Guidelines and Tools for Selecting Chemical-Resistant Products, Room 113BC

- B2: Occupational Safety and IH in China, Hong Kong, and Southeast Asia, Room 116
- B3: Air Dispersion Modeling for IHs: Should You Be Using Models?, Room 111
- B4: Topics in Healthcare Exposures: Needles and Hazardous Drugs, Room 118
- B5: OSHA Under Trump: A Status Report and Strategy for Moving Forward, Room 103
- B6: Mold Analysis Data Are Not Created Equal: Standard Methods Can Help, Room 108B
- B7: Asbestos Mysteries and Discoveries: Hunting for the Mode of Action, Room 104
- B8: New Risk-Based Model for Preventing Fatalities and Serious Injuries. Room 108A
- B9: Radiation Case Studies: Project Management Challenges, Room 112
- B10: New AIHA Technical Guide for Wildfire Impact Investigations for the OEHS Professional, Part 2. Room 117
- B11: Topics in Controls: Heat Stress, PCBs, and Diesel Particles, Room 105
- B12: Weld Fume Safety: Engineering Controls vs. Personal Protection, Room 115BC
- B13: ABIH Forum, Room 109
- B14: Bavesian Professional Judgment Users Group, Part 2, Room 113A
- B15: Derek Dunn Invited Noise Lecture: Bang! Damage from Impulse Noise and the Effectiveness of Hearing Protection, Room 119
- Poster Session 1 Author Attend Time, Professional Posters Zone. The Hub. Exhibit Hall B Topics: Aerosols, Construction, Indoor Environmental Quality/Indoor Air Quality

#### 12:30 p.m. - 1:30 p.m.

- IOHA 2018 ISC Luncheon (by invitation only), Marriott, Room 307
- Students and Early Career Professionals Table Talks, Table Topics Zone, The Hub, Exhibit Hall B

#### 2:00 p.m. - 2:25 p.m.

- Local Section Secretary Training, Education in the Learning Zone, The Hub, Hall B
- A New Relationship with Your Breath to Release Stress and Tension, Health and Wellness in the Learning Zone, The Hub, Hall B

#### 2:30 p.m. - 2:55 p.m.

- Connecting Campuses, Education in the Learning Zone, The Hub, Hall B
- · Healthy Eating: A Seasonal Diet Plan, Health and Wellness in the Learning Zone, The Hub, Hall B

#### Events take place at the Pennsylvania Convention Center, unless otherwise noted.

#### 2:00 p.m. - 3:00 p.m.

- C1: Highly Infectious Diseases of IH and Public Health Significance, Room 119
- C2: Talc the Mineral & Potential Carcinogen, Room 108B
- C3: Assessment and Control of Hazards in the Construction Industry, Room 115BC
- C4: Becoming a Midcareer Professional: From IH Technical Geek to EHS Manager, Room 111
- C5: Electric Arc Protection: Current Standardization in IEEE, IEC, and ASTM, Room 117
- C6: Risk Governance: Museum Collections and Cultural Heritage Artifacts, Room 112
- C7: Dust Explosions: The Problem. Control Measures, and the New NFPA 652, Room 118
- · C8: Topics in Noise: Ear Plugs & Fit-testing, Room 113BC
- C9: Pre-Incident Planning: The Most Important Step in HAZMAT Preparedness, Room 105
- C10: Nanotechnology: Updates and Challenges for the Future, Part 1, Room 108A
- C11: Ergonomics Strategies to Address the Changing Worker and Workplace, Room 109
- C12: Risk Perception in Academic Labs, Room 104
- C13: IEQ Considerations Across a Variety of Work and Living Spaces, Room 116
- C14: How Can We Make Improved Risk Management Decisions With Occupational Exposure Banding and Checklist Tools? Part 1, Room 103
- · C15: Emerging Issues in Beryllium Regulation, Part 1. Room 113A

#### 2:00 p.m. - 4:00 p.m.

- AIHA Finance Committee, Marriott, Grand Ballroom K
- Cannabis Industry Health and Safety Task Force Meeting, Marriott, Grand Ballroom J

#### 3:00 p.m. - 3:25 p.m.

- Local Section Treasurer Training, Education in the Learning Zone, The Hub, Hall B
- Exercise your Mind: The Benefits of Meditation, Health and Wellness in the Learning Zone, The Hub, Hall B

#### 3:15 p.m. - 4:15 p.m.

- D1: Aerosols in Different Environments: Workplace Dust Fractions, Bioaerosol Sampling, and Theatrical Fog Use, Room 118
- D2: Rondo alla Turca: Dealing with Cappadocia Erionite, Room 104
- D3: The Academic Climate: Industrial Hygiene and Related Programs, Room 113A
- D4: Emerging Issues in IH: Electronics Recycling, Nail Technician Intervention, and Odor Evaluation, Room 108B

- D5: Keeping Up with Recent Changes to OSHA's Recordkeeping Rule, Room 115BC
- D6: Come Watch a Speaker's Epic Failure (So You Don't Experience One)!, Room 112
- D7: Current Challenges in Sampling & Analysis: Rules, Strategies, and Devices, Room 113BC
- D8: Transforming Risk Culture with Intention and Leadership, Room 111
- D9: Household Exposure: Correlating Cumulative Exposure with Lung Digestion Analyses, Room 117
- D10: Nanotechnology: Updates and Challenges for the Future. Part 2. Room 108A
- D11: How a Laboratory Fire Death Lead to a New Safety Initiative. Room 116
- D12: Exposure Implications of Electronic Cigarette Surface Contamination, Room 105
- D13: Upton Sinclair Lecture: North America's Invisible Workers. Room 119
- D14: How Can We Make Improved Risk Management Decisions With Occupational Exposure Banding and Checklist Tools? Part 2, Room 103
- D15: Emerging Issues in Beryllium Regulation, Part 2, Room 109
- Student Poster Session Author Attend Time, Student Posters Zone, The Hub, Exhibit Hall B

#### 3:30 p.m. - 3:55 p.m.

- Content Portfolio Advisory Group (CPAG) Update, Education in the Learning Zone, The Hub, Hall B
- Ask the Expert: Tone and Strengthen, Health and Wellness in the Learning Zone, The Hub, Hall B

#### 4:30 p.m. - 5:30 p.m.

 Continuing Education Committee (CEC) Meeting, Marriott, Room 306

#### 5:30 p.m. - 6:30 p.m.

- Content Portfolio Advisory Group Meeting (by invitation only), Marriott, Room 305
- Estate Planning/Planned Giving (by invitation only), Room 204A

#### 5:30 p.m. - 7:00 p.m.

- Legal Issues Committee, Marriott, Room 307
- Social Concerns Committee, Marriott, Room 402/403

#### 5:30 p.m. - 7:30 p.m.

- Exposure Assessment Strategies Committee, Marriott, Grand Ballroom A
- Hazard Prevention and Engineering Controls Committee, Marriott, Room 411/412
- Leadership and Management Committee, Marriott, Room 408/409

#### 5:45 p.m. – 7:00 p.m.

 SiteHawk Private Event (by invitation only), Marriott Independence Ballroom

#### 5:45 p.m. – 7:15 p.m.

 Lab Safety Roundtable & Reception – Hosted by DuPont, Marriott, Room 405

#### 6:00 p.m. - 7:00 p.m.

Green Building Working Group, Marriott, Room 308

#### 6:00 p.m. - 7:30 p.m.

Ergonomics Committee, Marriott, Room 410

#### 6:00 p.m. - 8:00 p.m.

- · Exposure and Control Banding Committee, Marriott, Room 414/415
- Harvard Alumni Reception, Marriott, Room 406
- Noise Committee, Marriott, Grand Ballroom C
- Respiratory Protection Committee, Marriott, Grand Ballroom D
- Students and Early Career Professionals Committee, Marriott, Grand Ballroom B
- University of Minnesota SPH Alumni & Friends Gathering, City Tap House Logan Square; 2 Logan Square; Philadelphia, PA 19103

#### 6:00 p.m. - 9:30 p.m.

 Department of Energy (DOE) and DOE Contractor Industrial Hygiene Meeting, Marriott, Liberty Ballroom AB

#### 6:30 p.m. - 8:00 p.m.

Johns Hopkins Reception, Marriott, Liberty Ballroom C

#### 7:00 p.m. - 9:00 p.m.

Construction Committee, Marriott, Grand Ballroom J

#### 7:30 p.m. - 8:30 p.m.

- EASC Modeling Subcommittee, Marriott, Grand Ballroom L
- Occupational and Environmental Epidemiology Committee, Marriott, Room 306

#### 7:30 p.m. - 9:30 p.m.

· Protective Clothing and Equipment Committee, Marriott, Room 309

#### 8:00 p.m. - 10:00 p.m.

 Late Night Learning: Safety and Industrial Hygiene Efforts in Response to Recent Disasters, Marriott, Room 302/303



# Monday, May 20 Education Sessions



#### Opening General Session

Three Megatrends and Four Best Practices That Will Shape Your Business Future

8:00 a.m. - 9:30 a.m., Ballroom AB

Presenter: Rich Karlgaard

Entrepreneur-turned-Forbes magazine editor-at-large, columnist, author, television commentator, private investor, and board director, Rich Karlgaard is a respected forecaster who offers a unique vantage point on the trends driving the business and economic climates. Predicting the future is easy... getting it right is the hard part. A common mistake among business, investment and government leaders is to overestimate change in the short run (less than two years), but badly underestimate it in the long run (five years or more). Forbes publisher and global futurist, Rich Karlgaard, cuts through the clutter. He forecasts the business and technology world as it is likely to unfold over the next two, five, and ten years. Karlgaard is uniquely positioned at the intersection of business, economic, innovation, and technological trends. As such, he is able to see, weigh, and articulate the variables that will shape the future. Rich will kick off AIHce EXP 2018.

#### Morning Sessions in The Hub



Hall B

#### 9:30 a.m. - 9:55 a.m.

- Earl Dotter Photo Exhibit, Education in the Learning Zone
- Chair Yoga Session 1, Health and Wellness in the Learning Zone
- **Cooking Demonstration: Overnight** Oats, Center column

#### 10:00 a.m. - 10:25 a.m.

- Local Section President/President-Elect Training, Education in the Learning Zone
- The Foundation of Power & Engagement, Health and Wellness in the Learning Zone
- Cooking Demonstration: Breakfast Egg Salad Wrap, Center column

#### 10:30 a.m. - 10:55 a.m.

- Why You Should Become a Mentor, Education in the Learning Zone
- Healthy Eating: Food as Medicine, Health and Wellness in the Learning
- Cooking Demonstration: Green Magic Smoothie, Center column

#### 11:00 a.m. - 12:00 p.m.

• What is a Résumé vs. Curriculum Vitae (CV)?, CareerAdvantage

#### A1: New Multi-phase Sampler for Inhalable Fraction Vapor (IFV) Compounds

10:00 a.m. - 11:00 a.m.

Moderator: Darrah Sleeth, University of Utah Salt Lake City. Presenters: Linda Coyne, SKC Inc.; Michael Murphy, 3M; Patrick O'Shaughnessy, University of Iowa.

#### A2: Perspectives on Preparation for the CIH Exam v13.0

10:00 a.m. - 11:00 a.m. Room 113

Moderator: Carter Ficklen, Mission Technologies, Inc. Presenters: Christopher Shaw, Apex Companies, LLC; Amber Fitzgerald, Raytheon; Rachel Zisook, Cardno.

A3: Exploring Serious Injuries & Fatalities for Positive Change 10:( Ja.m. - 11:003:P:AWN Foom 118

Pre: enter: Jill James Vivial Coming Systems.

#### A4: Research on Welding Fume **Emission and Engineering Control** 10:00 a.m. - 11:00 a.m. Room 103

Moderator: Evan Floyd, University of Oklahoma. Presenters: Jun Wang, Marcio Bezerra, University of Oklahoma; Jhy-Charm Soo, NIOSH.



Full session descriptions may be found in the mobile app. Events take place at the Pennsylvania Convention Center unless otherwise noted.



#### **Exhibitor Product Demos and Presentations** 9:30 a.m. – 2:00 p.m., Expo Learning Pavilions 1 & 2, Hall A

Pulpstream

Gasmet

humantech\*

#### Learning Pavilion 1 (behind the AIHA Booth)

9:35 a.m. - 10:00 a.m.

#### **How to Reduce Risk Exposure With Digital EHS Programs**



Join Pankaj Malviya, Founder and CEO of Pulstream, for a demonstration of how billion-dollar companies across industries are making workplaces safer with digital EHS programs. Learn how a cloud-based software platform delivers powerful process-control applications. Discover how digital process automations empower occupational health and industrial hygiene teams to identify, analyze, and mitigate risks more efficiently.

12:15 p.m. - 12:40 p.m.

#### **Solving Air Quality Issues by Identifying** "Unknown" Toxic Gases in Emergency



Gasmet Technologies

The Model DX4040 portable FTIR gas analyzer can identify "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 cost-effective solution for performing workplace exposure assessments.

12:50 p.m. - 1:15 p.m.

#### **Artificial Intelligence Diagnosis**

xRapid Environment

Using a fully automated microscope and artificial intelligence to diagnose asbestos and mold slides, our elegant platform can read prepared slides with just the touch of a button. Your complete report and photo backup are ready to

read or email in just minutes. We can seamlessly integrate into your LIM system for billing, reports, and records.

1:25 p.m. - 1:50 p.m.

#### **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; and (3) MANAGE: Process owners can monitor the progress and activities of their team.

Learning Pavilion 2 (Aisle 2000)



12:15 p.m. - 12:40 p.m.

#### **Nanoparticle Detection in Workplace Environments**





The Naneos Partector is a compact, lightweight nanoparticle detector using noncontact electrical detection to compute Lung Deposited Surface Area (LDSA) of inhalable workplace air. Overexposure to particles with increased LDSA is associated with adverse respiratory health effects. Partector is an effective way to detect increased exposure to nanoparticles in the occupational settina.

12:50 p.m. - 1:15 p.m.

#### **Intelligent Respirator Fit Test Solutions:** Finding Efficiency Beyond the Fit Test

TSI Incorporated

As Respiratory Protection Program Administrators know, fit testing involves more than the fit test itself. Staff training, mask selection/sizing, and record keeping are all tasks that need to be accomplished in addition to the fit test. The new PortaCount® Respirator Fit Tester leads you through the entire process, helping achieve a better fit and a more efficient program.

1:25 p.m. - 1:50 p.m.

#### On Site: Safe Site

Edge Eyewear



This course will equip attendees with increased knowledge and understanding in the following areas: reasons to use safety eyewear, meeting the safety standard, meeting testing requirements, and understanding enforcement. This course will provide the tools for safety professionals to make informed decisions as they work to decrease company liability and protect the eyes of employees. There are no prerequisites for this course, simply a desire to become educated and informed about safety eyewear and the standards enforced by the industry.

### Education Sessions Monday, May 21

A5: Controlling the Hazards: Parts, Sparks, and Strokes

10:00 a.m. - 11:00 a.m. Room 115BC

Moderator: Don Wolski, The Boeing

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

Challenges in 3D Printing Installation and Use

Angelica Torres, Northrop Grumman. 10:20 a.m. - 10:40 a.m.

Static Electricity: An Overlooked Hazard **During Flammable Liquid Transfers** Bart Dawson, Shell Chemical LP. 10:40 a.m. - 11:00 a.m.

Effectiveness of a Supplemental Ventilation System for Removing Disinfectant By-products

Gerry Croteau, University of Washington.

A6: Managing Occupational **Exposures to Infectious Agents** 10:00 a.m. - 11:00 a.m. Room 108A

Moderator: Linh Phan, University of Illinois at Chicago. Presenters: Karen Michael, Veritox, Inc.; Rachael Jones, University of Illinois at Chicago.

A7: Breaking Through the Risk **Management Compliance Paradox** Room 108B 10:00 a.m. - 11:00 a.m.

Moderator: Scott Dotson, Cardno. Presenter: Charles Redinger, Redinger 360, Inc.

A8: Response Efforts to Confirmed Legionnaires' Disease in Assisted **Living Facilities** 

10:00 a.m. - 11:00 a.m. Room 117

Moderator: Amanda McKenney, Terracon Consultants, Inc. Presenters: Scott Rohlf, Michael Crandall, Terracon Consultants, Inc.

A9: Corporate EH&S Software Applications: From Selection to Rollout

10:00 a.m. - 11:00 a.m.

Moderator: Alexander Mapel, Marathon Petroleum Company, LP. Presenters: Ronald Petti, Verdant Web Technologies Inc.; Amanda Styes, Marathon Petroleum Company, LP.

A10: New AIHA Technical Guide for Wildfire Impact Investigations for the OEHS Professional, Part 1 10:00 a.m. - 11:00 a.m. Room 116

Moderator: Enrique Medina, Alliance Consulting International. Presenters: Brad Kovar, Safeguard EnviroGroup, Inc.; Marshall Krotenberg, Rimkus Consulting Group, Inc.; Michelle Rosales, Forensic Analytical Consulting Services, Inc.

A11: An Introduction to the Revised Strain Index

10:00 a.m. - 11:00 a.m. Room 104

Moderator & Presenter: Gary Downey, The Ergonomics Center.

A12: Skin Matters: Absorption, Sensitization, and Transfer Efficiencies

10:00 a.m. - 11:00 a.m. Room 113A

Moderator: Patrick Klun 3M Company. Presenters: Shane Que Hee, University of California at Los Angeles; Travis Cook, Gradient; Jennifer Sahmel, Insight Exposure and Risk Sciences, Inc.

A13: Improving the Indoor **Environment: Case Studies in Office** and School Settings

Moderator: Steven Rucker, Ecostratum. Room 105 10:00 a.m. - 11:00 a.m.

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

Lessons Learned from the ASHRAE **Headquarters Renovation** 

Joe Pessa, Dynamic Air Quality Solutions. 10:20 a.m. - 10:40 a.m.

What's that Smell? Effectively Responding to Office IAQ Complaints Craig Maunder, ECOH. 10:40 a.m. - 11:00 a.m.

Control of Humidity-Related Mold Ed Light, Building Dynamics, LLC.

A14: Bayesian Professional Judgment Users Group, Part 1 10:00 a.m. - 11:00 a.m. Room 109

Presenters: Paul Hewett, Exposure Assessment Solutions, Inc.; Perry Logan, 3M.



A15: Ask the Expert: **Opening Keynote** Speaker 10:00 a.m. - 11:00 a.m. **Room 119** 

Moderator: Dirk Yamamoto Presenter: Rich Karlgaard

B1: Not All Gloves Are Created Equal: Guidelines and Tools for Selecting Chemical-Resistant **Products** 

11:15 a.m. - 12:15 p.m.

Moderator: Cheryl DuBois, 3M. Presenters: Robert Phalen, University of Houston-Clear Lake; Norman Henry, Safety and Health By Protection; Matthew Nolen, Aerojet.

B2: Occupational Safety and IH in China, Hong Kong, and Southeast Asia

11:15 a.m. - 12:15 p.m. Room 116

Moderator: Thomas Fuller, Illinois State University. Presenters: Samuel Yu, Hong Kong University of Science and Technology; Laurence Svirchev, Svirchev OHS Management Systems.

B3: Air Dispersion Modeling for IHs: Should You Be Using Models? 11:15 a.m. - 12:15 p.m. **Room 111** 

Moderator: James Rasmuson, Chemistry & Industrial Hygiene, Inc. Presenters: Robert Strode, Daniel Hall, Cassidy Strode, Chemistry & Industrial Hygiene, Inc.

B4: Topics in Healthcare Exposures: **Needles and Hazardous Drugs** 11:15 a.m. - 12:15 p.m. **Room 118** 

Moderator: Vanda Puhalovich, Kaiser Permanente.

11:15 a.m. - 11:35 a.m.

Needlestick Injuries: Case Studies in **Different Occupational Settings** Amber Mitchell, International Safety Center.

11:35 a.m. - 11:55 a.m.

Assessment of Hazardous Drug Exposure at Army Medical Facilities Paul Lilley, U.S. Army Public Health Center Aberdeen Proving Ground. 11:55 a.m. - 12:15 p.m.

Assessing Healthcare Workers' Exposure to Antineoplastic Drugs Chun-Yip Hon, Ryerson University.

B5: OSHA Under Trump: A Status Report and Strategy for Moving **Forward** 

11:15 a.m. - 12:15 p.m. Room 103

Moderator: Scott Schneider, Retired. Presenters: Jordan Barab, OSHA; Peg Seminario, AFL-CIO; Mark Ames, AIHA.

B6: Mold Analysis Data Are Not Created Equal: Standard Methods Can Help

11:15 a.m. - 12:15 p.m. Room 108B

Moderator: Michael Brisson, Savannah River National Laboratory. Presenters: Lisa Rogers, Mycometer, Inc.; Michael Breu, Fiberquant, Inc.

## Monday, May 21 Education Sessions

B7: Asbestos Mysteries and Discoveries: Hunting for the Mode of Action

11:15 a.m. - 12:15 p.m. Room 104

Moderator: Eric Rasmuson, Chemistry & Industrial Hygiene, Inc. Presenters: Jean Pfau, Montana State University; Andrey Korchevskiy, Chemistry & Industrial Hygiene, Inc.

B8: New Risk-Based Model for Preventing Fatalities and Serious

11:15 a.m. - 12:15 p.m. Room 108A

Moderator: Linda Haney, ORCHSE Strategies, LLC. Presenters: Delight Woodhull, Stephen Newell, ORCHSE Strategies, LLC.

B9: Radiation Case Studies: Project Management Challenges

11:15 a.m. - 12:15 p.m. Room 112

Moderator: Judson Kenoyer, NV5/Dade Moeller Training Academy.

11:15 a.m. - 11:45 a.m.

Managing Radioactive and Mixed Waste at Woods Hole Oceanographic Institution

Ronald Reif, Woods Hole Oceanographic Institution.

11:45 a.m. - 12:15 p.m.

Radon Mitigation in a Turn-of-the-**Century Mansion House** 

Craig Maunder, ECOH.

B10: New AIHA Technical Guide for Wildfire Impact Investigations for the OEHS Professional, Part 2

11:15 a.m. - 12:15 p.m. **Room 117** 

Moderator: Enrique Medina, Alliance Consulting International. **Presenters:** Daniel Baxter, Environmental Analysis Associates, Inc.; Ernest Crutcher, Microlab Northwest; Larry Wayne; Forensic Analytical Laboratories, Inc.

B11: Topics in Controls: Heat Stress, PCBs, and Diesel Particles

Room 105 11:15 a.m. - 12:15 p.m.

Moderator: Steve Gyan, Gold Fields Ghana. 11:15 a.m. - 11:35 a.m.

\*WITHDRAWN\* One Company's Implementation of an Indoor Heat Stress Program

Christina Juarez, Pacific Gas and Electric

11:35 a.m. - 11:55 a.m.

Occupational Exposures in Printed Circuit Board (PCB) Manufacturing Yu-Wen Lin, Fu Jen Catholic University, Taiwan.

11:55 a.m. - 12:15 p.m.

Reducing Personal Exposure to Diesel Particulate Matter

Andy McCarthy, GHD Enfield, 5085, Australia.

B12: Weld Fume Safety: Engineering Controls vs. Personal Protection 11:15 a.m. - 12:15 p.m. Room 115BC

Moderator: Frank Cea, RoboVent Solutions Group. Presenter: Greg Carmichael, RoboVent Solutions Group.

B13: ABIH Forum

11:15 a.m. - 12:15 p.m. Room 109

Presenters: Ulric Chung, ABIH; Jeffrey Miller, Oak Ridge Associated Universities.

**B14: Bayesian Professional** Judgment Users Group, Part 2 11:15 a.m. - 12:15 p.m.

Room 113A

Presenters: Paul Hewett, Exposure Assessment Solutions, Inc.; Perry Logan, 3M.

B15: Derek Dunn Invited Noise Lecture: Bang! Damage from Impulse Noise and the Effectiveness of Hearing Protection

11:15 a.m. - 12:15 p.m. **Room 119** 

Moderator: Angel Plaza, NASA. Presenter: Elliott Berger, 3M.

#### Poster Session 1

Author Attend Time 11:15 a.m. - 12:15 p.m. Professional Posters Zone, The Hub, Exhibit Hall B

Topics: Aerosols. Construction. Indoor Environmental Quality/Indoor Air Quality

See page 48 for posters on this topic. For a full list of co-authors and detailed abstracts, see the AIHce 2018 website.

#### Expo Hall Activities

12:00 p.m. – 2:00 p.m.

Hall A at the columns in the 1300 and 1700 aisles and in the AIHA Booth 1039

Afternoon Healthy Break - Healthy snacks will help boost your energy for more education, networking, and the evening's events

#### Students and Early Career Professional Table Topics

12:30 p.m. - 1:30 p.m. Table Topics Zone, The Hub, Hall B C1: Highly Infectious Diseases of IH and Public Health Significance 2:00 p.m. - 3:00 p.m. **Room 119** 

Moderator: Stephen Derman, Medishare Environmental Health & Safety Services. **Presenter:** Aurora Le, Indiana University School of Public Health-Bloomington.

C2: Talc the Mineral & Potential Carcinogen

2:00 p.m. - 3:00 p.m. Room 108B

Moderator & Presenter: Sean Fitzgerald, Scientific Analytical Institute.

C3: Assessment and Control of Hazards in the Construction Industry 2:00 p.m. - 3:00 p.m. Room 115BC

Moderator: Charles Cashio, S&ME, Inc. 2:00 p.m. - 2:20 p.m.

Worksite Emissions from a Cured-in-Place Pipe (CIPP) Installation Process Andrew Whelton, Purdue University. 2:20 p.m. - 2:40 p.m.

Creation of an Online Network to Advance Safety and Health in Construction

Jessica Bunting, CPWR - The Center for Construction Research and Training. 2:40 p.m. - 3:00 p.m.

The CPWR Exposure Control Database for the Construction Industry

Sara Brooks, CPWR - The Center for Construction Research and Training.

C4: Becoming a Midcareer Professional: From IH Technical Geek to EHS Manager 2:00 p.m. - 3:00 p.m. **Room 111** 

Moderator: Ning Lee, AIHA SECP Committee. Presenters: William Nichols, Applied Materials, Inc.; Carl Sall, Louis Berger; Laurie Vivekanand, Hudson Valley Community College.

C5: Electric Arc Protection: Current Standardization in IEEE, IEC, and **ASTM** 

2:00 p.m. - 3:00 p.m. **Room 117** 

Moderator & Presenter: Gavin Burdge, Safety and Industrial Hygiene Freelance Writer. Presenter: Mikhail Golovkov, Arc-Flash-CRT

C6: Risk Governance: Museum Collections and Cultural Heritage **Artifacts** 

2:00 p.m. - 3:00 p.m. Room 112

Moderator & Presenter: Kathryn Makos, Smithsonian Institution (Ret). Presenters: Bernard Fontaine, The Windsor Consulting Group, Inc.; Jeffrey Sotek, Amec Foster Wheeler.

### Education Sessions Monday, May 21

C7: Dust Explosions: The Problem, Control Measures, and the New **NFPA 652** 

2:00 p.m. - 3:00 p.m. Room 118

Moderator & Presenter: John Wincek, DEKRA Process Safety.

C8: Topics in Noise: Ear Plugs & Fit-

2:00 p.m. - 3:00 p.m. Room 113BC

Moderator: Bill Whelan, Los Alamos National Laboratory.

2:00 p.m. - 2:20 p.m.

Is Earplug Fit-test Training More Effective Than Individual Earplug Fitting Instruction?

Mingyu Wu, Grand Valley State University.

2:20 p.m. - 2:40 p.m.

One Refinery's Experience With Custom Fitted Ear Plugs

Joe Tudor, Shell Health. 2:40 p.m. - 3:00 p.m.

**Hearing Protector Attenuation Among** Metal Manufacturing Workers

Stephanie Sayler, University of Michigan.

C9: Pre-Incident Planning: The Most Important Step in HAZMAT **Preparedness** 

2:00 p.m. - 3:00 p.m. Room 105

Moderator: Edward Primeau, USCG Atlantic Strike Team. Presenter: Robert Campbell, Alliance Solutions Group, Inc.

C10: Nanotechnology: Updates and Challenges for the Future, Part 1

Room 108A 2:00 p.m. - 3:00 p.m.

Moderator: William Collier, UC Merced. Presenters: Charles Geraci, NIOSH; Vincent Castranova, West Virginia University.

C11: Ergonomics Strategies to Address the Changing Worker and Workplace

2:00 p.m. - 3:00 p.m. Room 109

Moderator: Walt Rostykus, Humantech, Inc. Presenter: Blake McGowan, Humantech, Inc.

C12: Risk Perception in Academic Labs

2:00 p.m. - 3:00 p.m. Room 104

Moderator: Patty Olinger, Emory University. Presenter: Imke Schroeder, UC Center for Laboratory Safety.

C13: IEQ Considerations Across a Variety of Work and Living Spaces 2:00 p.m. - 3:00 p.m.

Moderator: Andreas Wagner, Golder Associates Inc.

2:00 p.m. - 2:20 p.m.

Facilities with Subsurface Contamination, What May Your Workers Be Breathing?

Mathew Raithel, Haley & Aldrich, Inc. 2:20 p.m. - 2:40 p.m.

Implications of Indoor Air Background Concentrations on Health Risks in Buildings

Jay Peters, Haley & Aldrich, Inc. 2:40 p.m. - 3:00 p.m.

Influence of Building Type on Indoor Air Pollutants on a College Campus

Grant Erlandson, Colorado State University.

C14: How Can We Make Improved Risk Management Decisions With Occupational Exposure Banding and Checklist Tools? Part 1

2:00 p.m. - 3:00 p.m. Room 103

Moderator: Thomas Lentz, NIOSH. Presenters: Susan Arnold, University of Minnesota; Lauralynn McKernan, CDC/ NIOSH; Elizabeth Pullen, Clarient Corp.

C15: Emerging Issues in Beryllium Regulation, Part 1

2:00 p.m. - 3:00 p.m.

Moderator: Michael Brisson, Savannah River National Laboratory. Presenters: Lisa Barker, National Jewish Health; Theodore Knudson, Materion Brush Inc.

#### Afternoon Sessions in The Hub



Room 113A

Hall B

2:00 p.m. - 2:25 p.m.

- Local Section Secretary Training, Education in the Learning Zone
- A New Relationship with Your Breath to Release Stress and Tension, Health and Wellness in the Learning Zone
- Cooking Demonstration: Tuna Nicoise, Center column

2:30 p.m. - 2:55 p.m.

- Connecting Campuses, Education in the Learning Zone
- Healthy Eating: A Seasonal Diet Plan, Health and Wellness in the Learning
- **Cooking Demonstration: Chinese** Chicken Salad, Center column

2:30 p.m. - 3:30 p.m.

 Onboarding a New Industrial Hygienist - The Good, The Bad, and The Better, CareerAdvantage

3:00 p.m. - 3:25 p.m.

- Local Section Treasurer Training, Education in the Learning Zone
- Exercise your Mind: The Benefits of Meditation, Health and Wellness in the Learning Zone
- Cooking Demonstration: Mediterranean Quinoa Grain Bowl, Center column

3:30 p.m. - 3:55 p.m.

- Content Portfolio Advisory Group (CPAG) Update, Education in the Learning Zone
- Ask the Expert: Tone and Strengthen, Health and Wellness in the Learning

D1: Aerosols in Different **Environments: Workplace Dust** Fractions, Bioaerosol Sampling, and Theatrical Fog Use

3:15 p.m. - 4:15 p.m.

Room 118

Moderator: Catherine Bobenhausen, Colden Corporation.

3:15 p.m. - 3:35 p.m.

Bioaerosol Sampling in the Operating Room: Nontuberculous Mycobacteria Bryan Christensen, Centers for Disease Control and Prevention.

3:35 p.m. - 3:55 p.m.

Investigation of the Ratio Between Inhalable and Respirable Dust Fractions Cornelia Wippich, Institute for Occupational Safety and Health of the German Social Accident Insurance, Germany.

3:55 p.m. - 4:15 p.m.

Lights, Camera, Fog! A Study of Theatrical Fog Use

Mona Shum, Aura Health and Safety Corporation.

D2: Rondo alla Turca: Dealing with Cappadocia Erionite

3:15 p.m. - 4:15 p.m.

Room 104

Moderator: Kim Carlson, BSI EHS Services and Solutions. **Presenters:** Andrey Korchevskiy, Chemistry & Industrial Hygiene, Inc.; Robyn Ray, EMSL Analytical, Inc.

D3: The Academic Climate: Industrial Hygiene and Related Programs 3:15 p.m. - 4:15 p.m.

Moderator & Presenter: Roger Lewis, Saint Louis University. Presenter: Lawrence Whitehead, University of Texas at Houston, Texas Medical Center.

## Monday, May 21 Education Sessions

D4: Emerging Issues in IH: Electronics Recycling, Nail Technician Intervention, and Odor Evaluation

3:15 p.m. - 4:15 p.m. Room 108B

Moderator: Erin Higgins, UCSF. 3:15 p.m. - 3:35 p.m.

Safety and Health Issues in the **Electronics Recycling Industry** Lloyd Andrew, EnvirOSH Services, Inc. 3:35 p.m. - 3:55 p.m.

Development of an Intervention Program for Vietnamese Nail Technicians

Tran Huynh, Drexel University, Dornsife School of Public Health.

3:55 p.m. - 4:15 p.m.

What's that Smell? Expanding the Boundaries of the Industrial Hygienist Tina Berceli-Boyle, Haley & Aldrich, Inc.

D5: Keeping Up with Recent Changes to OSHA's Recordkeeping Rule

Room 115BC 3:15 p.m. - 4:15 p.m.

Moderator & Presenter: Zoe Frances, VelocityEHS, Canada.

D6: Come Watch a Speaker's Epic Failure (So You Don't Experience

3:15 p.m. - 4:15 p.m. **Room 112** 

Presenter: Jonathan Klane, Arizona State University.

D7: Current Challenges in Sampling & Analysis: Rules, Strategies, and **Devices** 

3:15 p.m. - 4:15 p.m. Room 113BC

Moderator: Sarath Seneviratne, FDA/ CBER. 3:15 p.m. - 3:35 p.m.

The New Rule on Silica Demands More From Your Lab!

Daniel Johansen, US DOL/ OSHA Salt Lake Technical Center.

3:35 p.m. - 3:55 p.m.

Dilemmas with Silica Sampling Strategies and Interpretation

Lydia Renton, BluMetric Environmental Inc. 3:55 p.m. - 4:15 p.m.

**Direct Reading Plus Sample Collection** in One Device

Peter Briscoe. Nanozen.

D8: Transforming Risk Culture with Intention and Leadership

3:15 p.m. - 4:15 p.m. Room 111

Moderator: Fred Boelter. RHP Risk Management, Inc. Presenters: Charles Redinger, Redinger 360, Inc.; Scott Dotson, Cardno; Jeanne Fallon-Carine, General Electric.

D9: Household Exposure: Correlating **Cumulative Exposure with Lung Digestion Analyses** 

3:15 p.m. - 4:15 p.m. Room 117

Moderator: Eric Rasmuson, Chemistry & Industrial Hygiene, Inc. Presenters: Fred Boelter, RHP Risk Management Inc.; James Rasmuson, Chemistry & Industrial Hygiene, Inc.; Victor Roggli, Duke University School of Medicine.

D10: Nanotechnology: Updates and Challenges for the Future, Part 2

3:15 p.m. - 4:15 p.m. Room 108A

Moderator: William Collier, UC Merced. Presenters: Candace Sujung Tsai, Colorado State University; Martin Barrie, Oak Ridge Associated Universities; Kevin Dunn, NIOSH.

D11: How a Laboratory Fire Death Lead to a New Safety Initiative

3:15 p.m. - 4:15 p.m. **Room 116** 

Moderator: Caroline Holtzman, DuPont. Presenters: Craig Merlic, University of California, Davis; Jeff Fackler, DuPont Protection Technologies.

D12: Exposure Implications of **Electronic Cigarette Surface** Contamination

Room 105 3:15 p.m. - 4:15 p.m.

Moderator: Warren Friedman, U.S. Department of Housing and Urban Development. Presenters: Cheri Marcham, Embry-Riddle Aeronautical University; Evan Floyd, University of Oklahoma.

D13: Upton Sinclair Lecture: North America's Invisible Workers

3:15 p.m. - 4:15 p.m. **Room 119** 

Moderator: Suzanne Monahan, SCIEX. Presenter: Sara Mojtehedzadeh, Toronto Star.

D14: How Can We Make Improved Risk Management Decisions With Occupational Exposure Banding and Checklist Tools? Part 2

3:15 p.m. - 4:15 p.m. Room 103

Moderator: Lauralynn McKernan, CDC/ NIOSH. Presenters: Thomas Lentz, NIOSH; Anne Bracker, Connecticut OSHA; Andrew Maier, University of Cincinnati.

D15: Emerging Issues in Beryllium Regulation, Part 2

3:15 p.m. - 4:15 p.m. Room 109

Moderator: Michael Brisson. Savannah River National Laboratory. Presenters: Dan Field, National Nuclear Security Agency; Nicole Bernholc, Brookhaven National Laboratory.

#### **Student Poster Session**

Author Attend Time 3:15 p.m. - 4:15 p.m. Student Posters Zone, The Hub, Exhibit Hall B

#### Expo Hall Networking Reception



4:30 p.m. - 5:30 p.m.

This annual networking tradition gets the night started with some tasty nibbles and a free drink (ticket included in badge materials).

# Late Night Learning

Safety and Industrial Hygiene Efforts in Response to Recent Disasters

8:00 p.m. - 10:00 p.m. Marriott, Room 302/303

- Laura Weems, U.S, Army Corps of
- Edward Primeau, USCG Atlantic Strike
- Antonio Cofresi, U.S. Coast Guard
- Patrick Wallace, United States Coast Guard, Safety & Environmental Health Division
- Pablo Sanchez Soria, Center for Toxicology and Environmental Health, LLC
- Craig Groman, United States Coast Guard IMAT.



# Stop by and see what's happening at AIHA's RESOURCE CENTER!



#### MEET...

**Rich Karlgaard** — Book signing Monday, May 21 from 12:15 p.m. – 1:00 p.m.

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

**RECHARGE...** Visit our complimentary Re-Charge Lounge for your mobile devices as well as our NEW daily snack breaks to refresh you! We have lots of new AIHA swag this year. Join us for treats during our NEW coffee and snack hours as well as partaking of our Candy Wall!

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

**DISCOVER...** by participating in demos of the new AIHA online community/networking platform, Catalyst.

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

Enjoy 20% off AND free shipping on the Top 20 AIHA Bestsellers, as well as these NEW titles:

- 2018 ERPG/WEEL Handbook
- Incident Safety and Health Management Handbook, 2nd edition
- Storage Rack Safety Guideline, 2nd edition
- Technical Guide for Wildfire Impact Assessments for the OEHS Professional
- Direct-Reading Colorimetric Indicator Tube Manual, 3rd edition





# Tuesday At-a-Glance

As of April 4, 2018

#### Tuesday, May 22

#### 6:00 a.m. - 8:00 a.m.

 Real Time Detection Systems Committee, Marriott, Room 402/403

#### 6:30 a.m. - 8:00 a.m.

- Academic Special Interest Group, Marriott, Room 301
- Fun Run/Walk

#### 8:00 a.m. - 9:00 a.m.

#### General Session

Mitigating Opioid Exposure Risks to First Responders -What's Been Done, What's Left to Do & How You Can Help Ballroom AB

Moderator: Steven Lacey, Indiana University Fairbanks School of Public Health

Presenters: Kemp Chester, Office of National Drug Control Policy; Donna Heidel, Bureau Veritas North America; John Howard, NIOSH; Adam Thiel, Philadelphia Fire Department.

#### 9:00 a.m. - 10:00 a.m.

 AIHA-ACGIH Interaction Committee (by invitation) only), Marriott, Room 308

#### 9:00 a.m. - 4:00 p.m.

CareerAdvantage Development Fair Open, The Hub, Hall B

- Online Job and Resume Postings all day
- Resume Critiquing 9:00 a.m. 10:00 a.m.
- Mock Interviewing 10:00 a.m. Noon
- On-Site Interviews 1:00 p.m. 3:00 p.m.
- Resume Critiquing 1:00 p.m. 3:00 p.m.
- Speed Networking Event 3:00 p.m. 4:00 p.m.

#### 9:30 a.m. - 9:55 a.m.

- Student Poster Winner "Best in Show Gold." Education in the Learning Zone, The Hub, Hall B
- Chair Yoga, Health and Wellness in the Learning Zone, The Hub. Hall B

#### 10:00 a.m. - 10:25 a.m.

- Student Poster Winner "Best in Show Silver." Education in the Learning Zone, The Hub, Hall B
- Q & A Session/Superfoods/Nutrition Takeaways, Health and Wellness in the Learning Zone, The Hub, Hall B

#### 10:00 a.m. - 11:00 a.m.

• E1: Studies in Real-Time Detection Systems: Measuring Exposures, Room 113BC

- E2: Developing Countries: Industrial Hazards and Exposure Potential, Room 104
- E3: The Emerging Cannabis Industry: Worker Safety and Health, Part 1, Room 103
- E4: The Value of Work: Injury Prevention and Management Best Practices, Room 109
- E5: Biological Monitoring of Manganese, Room 117
- E6: How to Win Friends and Influence People (the EHS Edition), Room 111
- E7: Challenges and Innovations in Sampling & Analysis Methodology, Room 108A
- E8: Legal Aspects of the IH Profession: Things You Should Care About, Room 119
- E9: Women in IH: Leadership Journeys to Success, Part 1, Room 118
- E10: Hazardous Atmosphere Estimation, Room 105
- E11: Design Review for Industrial Hygienists, Part 1, Room 108B
- E12: The Snook & Ciriello Tables for Manual Material Handling Analysis, Room 112
- E13: A Review on Airborne Fungal Spore Sampling Devices, Room 116
- E14: SDS Authoring & Reviewing, Part 1, Room 113A
- E15: Jeffrey S. Lee Lecture: Big Bangs and Black Holes - Past, Present, and Future Opportunities and Challenges for Industrial Hygiene, Room 115BC
- E16: Ask the Experts: Opioids Panel, Room 106

#### 10:30 a.m. - 10:55 a.m.

- Student Poster Winner "Best in Show Bronze." Education in the Learning Zone, The Hub, Hall B
- Mindfulness and Stress Release, Health and Wellness in the Learning Zone, The Hub, Hall B

#### 11:00 a.m. - 12:00 p.m.

Publications Committee Meeting, Marriott, Room 310

#### 11:00 a.m. - 12:30 p.m.

 Student Local Sections Council Business Meeting, Room 202A

#### 11:15 a.m. - 12:15 p.m.

- F1: Toward a Holistic Approach to Occupational Safety and Health: NIOSH's Early Explorations,
- F2: Effective Safety Communication, Room 113BC
- F3: The Emerging Cannabis Industry: Health, Safety, and Laboratory Issues, Part 2, Room 103
- F4: Legionella and Water Management: Control Measures, Trend Data, and Chemical Treatment, Room 108A
- F5: STPA Hazard Evaluation Technique: A New Tool in the IH/OS Tool Box, Room 105
- F6: What Is Best in Class Contractor Management?. Room 109

- F7: The Complexities of Soil Sampling for Asbestos and Other Mineral Fibers. Room 111
- F8: Risk Assessment & Management in Industry, Room 115BC
- F9: Women in IH: Develop Your Professional Brand, Part 2, Room 118
- F10: So Now You're the RSO: Introduction to Radiation Safety Programs, Room 117
- F11: Design Review for Industrial Hygienists, Part 2, Room 108B
- F12: Helping Academic Research Labs Identify Chemical Hazards: A GHS Spreadsheet Tool,
- F13: How to Conduct Sampling for Fire-Related Particulates and Odors, Room 113A
- F14: SDS Authoring and Reviewing, Part 2, Room 116
- Poster Session 2 Author Attend Time. Professional Posters Zone. The Hub. Exhibit Hall B Topics: Exposure Assessment Strategies, Sampling and Analysis, Exposure Banding/Occupational **Exposure Limits**

#### 12:30 p.m. - 1:30 p.m.

• NIOSH Tech Talks: Current Topics, Table Topics Zone, The Hub. Exhibit Hall B

#### 2:00 p.m. - 2:25 p.m.

- Gifting Strategies That Still Make Sense. Education in the Learning Zone, The Hub, Hall B
- · Breathing and Stretching: The Dance of Health, Health and Wellness in the Learning Zone, The Hub, Hall B

#### 2:00 p.m. - 3:00 p.m.

- G1: On-Site: Safe Site, Room 104
- G2: Bring Out Your Dead: Changing Exposures in the Death Industry, Room 116
- G3: On Becoming a "Senior" IH: Embracing Change and Challenging Ageism, Room 111
- G4: Healthy by Design: Building for Wellness,
- G5: Help! I'm Being Audited by OSHA, Room 103
- G6: Sampling and Analysis of Air Contaminants,
- G7: Preventing Worker Distractions Before They Result in Injury. Room 105
- G8: Topics in Noise: Hearing Conservation Programs, Room 108A
- G9: When Disaster Strikes: OS&H Professional Support During the Hurricane Harvey Response,
- G10: Current Ergonomic Challenges and Assessment Tools, Room 113A
- · G11: Exposure Assessment: Past, Present, and Future, Room 113BC

#### Events take place at the Pennsylvania Convention Center, unless otherwise noted.

- G12: Interesting and Unusual NIOSH Health Hazard Evaluations. Part 1. Room 119
- G13: William P. Yant Award Lecture: Reflections on the Past, Present, and Future of Occupational Hygiene. Room 115BC
- G14: Movie Matinee: COMPLICIT, Room 108B

#### 2:00 p.m. - 4:00 p.m.

 Local Sections Council Business Meeting, Room 203AB

#### 2:00 p.m. - 4:30 p.m.

OHSMS Auditor Registry Exam, Marriott, Room 301

#### 2:30 p.m. - 2:55 p.m.

- How to Be a Catalyst in 20 Minutes!, Education in the Learning Zone, The Hub, Hall B
- Walking for Health, Health and Wellness in the Learning Zone, The Hub, Hall B

#### 3:00 p.m. - 3:25 p.m.

- New ISO 45001 Risks and Opportunities for the OH&S Management System, Education in the Learning Zone, The Hub, Hall B
- Healthy Eating: Eating at the Workplace, Health and Wellness in the Learning Zone, The Hub, Hall B

#### 3:00 p.m. - 4:30 p.m.

OHTA Stakeholders Meeting, Room 100AB

#### 3:15 p.m. - 4:15 p.m.

- H1: Studies in Respiratory Protection: Assessment Challenges and Solutions, Room 103
- H2: Ill in Russia and the United States: Countries Far At art, Colleagues Nearby Roon 104
- H3: Student Internships: Lessons Learned From the Field, Room 111
- H4: Implications of USP 800 in Healthcare Systems and Pharmacies. Room 113A
- H5: Hazard Analysis Lessons Learned, Room 118
- H6: Microbes in All the Wrong Places: Monitor and Manage Risks from Microbial Pathogens, Room 105
- H7: Selling Safety to the Front Line Employee, Room 109
- H8: Sampling & Analysis Studies: Potentially Unexpected Exposures for Workers & Consumers,
- H9: R sk Management: A Simple Technical Application Room 11386
- H10: Computers and IH: New Applications in Data Center Evaluation, Smart Inventory Management, and Software for Silica Monitoring, Room 117
- H11: Current Topics in Laboratory Health and Safety: Chemical Exposures & Ventilation, Room 108A
- H12: Interesting and Unusual NIOSH Health Hazard Evaluations, Part 2, Room 119
- H13: Henry J. Smyth Jr. Award: Find the Need and Fill it, Room 115BC

#### 3:30 p.m. - 3:55 p.m.

- What to Expect with the New ISO 17025, Education in the Learning Zone, The Hub, Hall B
- Power & Engagement/Visualize & Realize Success, Health and Wellness in the Learning Zone, The Hub, Hall B

#### 4:00 p.m. – 4:30 p.m.

Guideline Foundation, Marriott, Room 308

#### 4:00 p.m. - 6:00 p.m.

- Philadelphia Section AIHA Reception, Marriott, Room 409
- University of Cincinnati Kettering Fellows, Field House Restaurant

#### 4:30 p.m. - 5:30 p.m.

- Exposure Assessment Strategies Committee -Dermal Project Team, Marriott, Grand Ballroom L
- Fellows Special Interest Group, Room 204A

#### 4:30 p.m. - 6:00 p.m.

- AIHF Board of Trustees Meeting, Marriott, Room 308
- University of California, Berkeley Alumni Gathering, Marriott, Room 407
- University of Michigan Alumni and Friends Reception, Marriott, Room 408
- University of Texas and University of Houston-Clear Lake Alumni, Marriott, Room 406

#### 4:30 p.m. - 5:30 p.m.

• Standards Panel Meeting, Marriott, Room 310

#### 4:30 p.m. - 6:00 p.m.

 Conference Program Committee Meeting, Marriott, Room 306

#### 4:30 p.m. - 6:30 p.m.

- International Affairs Committee, Marriott, Room
- Mining Working Group, Marriott, Room 414/415
- Non-Ionizing Radiation Committee, Marriott, Room 410
- Risk Committee, Marriott, Room 401
- Stewardship and Sustainability Committee. Marriott, Room 309
- Women in IH, Room 201A

#### 5:00 p.m. - 6:30 p.m.

 Joint Industrial Hygiene Ethics Education Committee (JIHEEC), Marriott, Room 304

#### 5:00 p.m. - 7:00 p.m.

- Indoor Environmental Quality Committee, Marriott, Room 404
- Minority Special Interest Group, Marriott, Room 405
- Safety Committee, Marriott, Room 411

#### 5:00 p.m. - 8:00 p.m.

 xRapid Environment Meet and Greet (by invitation only), Ritz Carlton, Arden Mellon Balcony

#### 5:30 p.m. - 6:30 p.m.

- Biosafety and Environmental Microbiology Committee, Marriott, Room 307
- Confined Spaces Committee, Marriott, Room 412

#### 5:30 p.m. - 7:30 p.m.

· Sampling and Laboratory Analysis Committee, Marriott, Room 413

#### 6:00 p.m. - 7:00 p.m.

AlHce Power Hour, Marriott, Grand Ballroom

#### 6:30 p.m. - 7:30 p.m.

Aerosol Technology Committee, Marriott, Room 305

#### 7:00 p.m. – 8:00 p.m.

 Environmental Issues Committee, Marriott, Room 301

#### 8:00 p.m. - 10:00 p.m.

 Late Night Learning: Case Studies in Ethics: Making the Right Choices, Marriott, Room 302/303



#### Tuesday, May 22, 2018 6:30 p.m. - 7:30 p.m.

#### Philadelphia Marriott Downtown, Grand Ballroom H

The AIHce Power Hour is an extremely popular, fun, high-energy atmosphere perfect for networking. Attendees can unwind after a full day of presentations and discuss their takeaways with each other while making new connections. The timing is perfect for pre-dinner conversation and arranging dinner plans with new friends! Take advantage of this opportunity to regroup before heading out to try some of Philadelphia's incredible restaurants.

# Tuesday, May 22 Education Sessions



Steven Lacey, PhD, CIH. CSP



Kemp Chester



Donna Heidel, CIH, **FAIHA** 



John Howard, MD, MPH, JD, LLM, MBA



Adam Thiel. Fire Commissioner

#### General Session

Mitigating Opioid Exposure Risks to First Responders — What's Been Done, What's Left to Do & How You Can Help

8:00 a.m. - 9:00 a.m., Ballroom AB

Moderator: Steven Lacey, PhD, CIH, CSP, Indiana University Fairbanks School of Public Health

Presenters: Kemp Chester, Office of National Drug Control Policy; Donna Heidel, CIH, FAIHA, Bureau Veritas North America; John Howard, MD, MPH, JD, LLM, MBA, NIOSH; Adam Thiel, Fire Commissioner, Philadelphia Fire Department.

Opioid addiction is causing an unprecedented public health crisis that requires the collaboration and action of our leading national organizations dedicated to countering addiction. However, we must also consider the potential for our nation's first responders, including law enforcement, emergency medical technicians, and crime lab analysts, to be exposed to opioids while on the job. This moderated roundtable discussion will raise awareness about the drugs, addiction crisis, and precautions first responders must take when responding to medical emergencies and investigating illicit drug activity. Session panelists will provide information on the work that has been done by nonprofit organizations, Federal and State governments, and how industrial hygiene professionals can support the development and implementation of exposure controls and educational materials for first responders.

#### Morning Sessions in The Hub



Hall B

9:30 a.m. - 9:55 a.m.

- Student Poster Winner "Best in Show Gold," Education in the Learning Zone
- Chair Yoga Session 2, Health and Wellness in the Learning Zone
- Cooking Demonstration: Breakfast Egg Salad Wrap, Center column

10:00 a.m. - 10:25 a.m.

- Student Poster Winner "Best in Show **Silver,"** Education in the Learning Zone
- Q & A Session/Superfoods/Nutrition Takeaways, Health and Wellness in the Learning Zone
- Cooking Demonstration: PB&J Power Smoothie, Center column

10:30 a.m. - 10:55 a.m.

- Student Poster Winner "Best in Show Bronze," Education in the Learning Zone
- Mindfulness and Stress Release, Health and Wellness in the Learning Zone
- **Cooking Demonstration: Sweet Potato** Hash, Center column

E1: Studies in Real-Time Detection Systems: Measuring Exposures 10:00 a.m. - 11:00 a.m. Room 113BC

Moderator: Jennifer Maclachlan, PID Analyzers, LLC.

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

Side by Side Evaluation of Real-time Personal Monitors for Respirable Dust Emanuele Cauda, NIOSH.

10:20 a.m. - 10:40 a.m.

Intra-Sampling Period Variability: Strengths and Weaknesses of Real-Time Detection

Philip Smith, US DOL/ OSHA. 10:40 a.m. - 11:00 a.m.

Rapid Systems for the Detection of Legionella Bacteria

Michael Berg, EMLab P&K South.

E2: Developing Countries: Industrial Hazards and Exposure Potential 10:00 a.m. - 11:00 a.m. Room 104

Moderator: Maharshi Mehta, International Safety Systems, Inc. Presenters: Ankit Sharma, International Safety Systems, Inc.; Muhammad Akram, University of the Punjab- Lahore, Pakistan.



Full session descriptions may be found in the mobile app. Events take place at the Pennsylvania Convention Center unless otherwise noted.

#### **Exhibitor Product Demos and Presentations**

9:00 a.m. - 2:00 p.m., Expo Learning Pavilions 1 & 2, Hall A

SGS GALSON

RISK & SAFETY

nanozen

ESIS®

SOLUTIONS

# Learning Pavilion 1 (behind the AIHA Booth)

Learning Pavilion 2
(Aisle 2000)

9:10 a.m. - 9:35 a.m.

Smart Sense: Air Sampling HERE, When You're THERE!

riicii iou ie iiilkl:

SGS Galson

Introducing SGS Galson Smart Sense, a web-based real-time monitoring system that can be deployed anywhere in the world, with as many sensors as you like. Stop by for a live demo of the industry's first modern networking technology — an instant connection to your data, air quality profiles, downloads, warnings, and reports.

9:10 a.m. - 9:35 a.m.

Manage Your Portable Gas Detection Fleet (Compliance, Alarms, and More) in Real Time With MSA ALTAIR Grid

MSA The Safety Company

Manage your gas detection fleet (including compliance, gas exposure alarms, and other worker safety alerts) in real time from anywhere in the world with the MSA ALTAIR Grid.

9:45 a.m. - 10:10 a.m.

#### Innovation in the Pump Calibration

Casella

Casella has designed the first airflow calibrator to check compliance to ISO 13137 for pulsations on any manufacturer's pump, across a flow of 20mL/min to 5,000 mL/min.

9:45 a.m. - 10:10 a.m.

#### A New CNC-Based Fit Tester

Kanomax USA/Accutec-IHS

AccuTec-IHS announces a new condensation nucleus-counting instrument for fit testing tight-fitting respirators in accordance with 29.CFR 1010.134. The instrument was a collaborative development project with Kanomax and Kanomax FMT to provide an extremely reliable, cost-effective, and user-friendly alternative to existing systems. We'll talk about the history of the project and the advantages of the new instrument.

12:15 p.m. - 12:40 p.m.

# Hazard and Exposure Monitoring Management Made Easy

Risk and Safety Solutions

Risk and Safety Solutions will demonstrate Monitor, a simple online solution for tracking data related to monitoring personnel and locations for exposures to chemicals and other hazards. We'll show how you can improve compliance while easily monitoring current researchers and locations and efficiently referencing archived exposure records.

12:15 p.m. - 12:40 p.m.

# Can You Hear Me Now? Noise Control Methodologies

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 p.m. - 1:15 p.m.

#### Real-Time Dust Monitoring With a Personal Wearable Device: Case Studies

Nanozen Industries Inc.

Review a number of case studies, how they altered dust monitoring approaches, and led to new SoPs.

12:50 p.m. - 1:15 p.m.

# Leveraging the Power of Tablet-Based Audiometry to Bring Your Hearing Conservation Program Into the 21st Century

SHOEBOX Audiometry a division of Clearwater Clinical

Tablet-based audiometric solutions have the power to revolutionize your hearing conservation program. Join us for a 15-minute presentation as we discuss how switching to a tablet-based system can dramatically increase the efficiency and reduce the cost of your hearing conservation program.

1:25 p.m. - 1:50 p.m.

# Meeting the New Chromium TLVs — Assessing Workplace Exposure to Chromium Metal, Trivalent Chromium and Hexavalent Chromium

ESIS Health Safety & Environmental

The newly adopted TLV for trivalent and hexavalent chromium requires new risk assessment where chromium is used in the workplace. Additionally, new sampling requirements and analytical methods are needed to perform these assessments. This presentation will cover the changes and how-to of assessing workers' chromium risk.

1:25 p.m. - 1:50 p.m.

# Cab Pressurization and Filtration for Compliance and Worker Protection

Sy-Klone International

Machine operators can spend their day breathing contaminated air within a cab enclosure if that cab is not properly sealed and pressurized. Sy-Klone invites you to see areas of the cab that must be addressed to ensure worker health and safety and learn to meet regulatory compliance with proper filtration.



AccuTec



SY-KLONE®

## Education Sessions Tuesday, May 22

E3: The Emerging Cannabis Industry: Worker Safety and Health, Part 1 10:00 a.m. - 11:00 a.m.

Moderator: Robert Kleinerman, Kleinerman & Associates, EHS Consulting, LLC. Presenters: Bradley King, NIOSH; Michael Kosnett, University of Colorado School of Medicine; Roberta Smith, Colorado Department of Public Health & Environment.

E4: The Value of Work: Injury **Prevention and Management Best Practices** 

10:00 a.m. - 11:00 a.m. Room 109

Moderator: Karen O'Hara, WorkCare, Inc. Presenter: Peter Greaney, WorkCare, Inc.

E5: Biological Monitoring of Manganese

10:00 a.m. - 11:00 a.m. Room 117

Moderator & Presenter: Shane Que Hee, University of California at Los Angeles. Presenters: Boris Reiss; Lee Blum, NMS LABS.

E6: How to Win Friends and Influence People (the EHS Edition) 10:00 a.m. - 11:00 a.m. **Room 111** 

Moderator: Michelle Coutu Presenters: Braxton Lewis, Noblis; Charles Redinger, Redinger 360, Inc.; David Roskelley, R&R Environmental, Inc.

E7: Challenges and Innovations in Sampling & Analysis Methodology 10:00 a.m. - 11:00 a.m. Room 108A

Moderator: Lee Monteith, University of Washington.

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

The Difference Between NOA and ACM is More Than Just Two Letters Robyn Denton-Ray, EMSL Analytical, Inc. 10:20 a.m. - 10:40 a.m.

Production of Reference Materials for the Measurement of Metal Oxides Dietmar Breuer, IFA, Germany. 10:40 a.m. - 11:00 a.m.

A Comparison of Sampling & Testing Options for Fire Damage Investigations Eugenia Mirica, EMSL Analytical, Inc.

E8: Legal Aspects of the IH Profession: Things You Should Care About

10:00 a.m. - 11:00 a.m. Room 119

Moderator: Jeanine Prud'homme. New York City Department of Environmental Protection. Presenter: Neil Feldscher, New York City Department of Environmental Protection.

E9: Women in IH: Leadership Journeys to Success, Part 1

10:00 a.m. - 11:00 a.m. **Room 118** 

Moderator: Ivory Iheanacho, Foster Wheeler. Presenters: Aileen Yankowski, Safety Management Solutions; Toral Mehta, Novartis, Austria; Isabel Zuclich, PPG.

E10: Hazardous Atmosphere **Estimation** 

10:00 a.m. - 11:00 a.m. Room 105

Moderator & Presenter: Arnold Ferguson, WRPS.

E11: Design Review for Industrial Hygienists, Part 1

10:00 a.m. - 11:00 a.m. Room 108B

Moderator: Kevin Dunn, NIOSH. Presenters: Kimberly Parks, Arthur Belden, U.S. Army Public Health Center, Aberdeen Proving Ground.

E12: The Snook & Ciriello Tables for Manual Material Handling Analysis 10:00 a.m. - 11:00 a.m. Room 112

Moderator: Gary Downey, The Ergonomics Center. Presenter: Blake McGowan, Humantech.

E13: A Review on Airborne Fungal Spore Sampling Devices

10:00 a.m. - 11:00 a.m. Room 116

Moderator: Michael McGuinness, R.K. Occupational and Environmental Analysis. Presenter: Wei Tang, QLab.

E14: SDS Authoring & Reviewing, Part 1

10:00 a.m. - 11:00 a.m. Room 113A

Presenters: Denese Deeds, Chandra Gioiello, Industrial Health and Safety Consultants, Inc.

E15: Jeffrey S. Lee Lecture: Big Bangs and Black Holes - Past, Present, and Future Opportunities and Challenges for Industrial Hygiene

10:00 a.m. - 11:00 a.m. Room 115BC

Presenter: Charles Geraci, NIOSH.

E16: Ask the Experts: Opioids Panel 10:00 a.m. - 11:00 a.m. Room 106

Moderator: Steven Lacey, Indiana University Fairbanks School of Public Health. Presenters: Kemp Chester, Office of National Drug Control Policy; Donna Heidel, Bureau Veritas North America: John Howard, NIOSH; Adam Thiel, Philadelphia Fire Department.

F1: Toward a Holistic Approach to Occupational Safety and Health: **NIOSH's Early Explorations** 11:15 a.m. - 12:15 p.m. **Room 119** 

Moderator & Presenter: Paul Middendorf, CDC/NIOSH/OD/ADSO. Presenters: L. Casey Chosewood, CDC/ NIOSH; Thomas Lentz, NIOSH.

F2: Effective Safety Communication 11:15 a.m. - 12:15 p.m. Room 113BC

Moderator: Christine Knezevich, Wright Patterson AFB. Presenter: Curt Wittman, Colden Corporation.

F3: The Emerging Cannabis Industry: Health, Safety, and Laboratory Issues, Part 2

11:15 a.m. - 12:15 p.m.

Moderator: Cheri Marcham, Embry-Riddle Aeronautical University. Presenters: David Kahane, Forensic Analytical; Donald Weekes, InAIR Environmental, Ltd.; George Bearer, U.S. Department of Health and Human Services.

F4: Legionella and Water Management: Control Measures, Trend Data, and Chemical Treatment 11:15 a.m. - 12:15 p.m. Room 108A

Moderator: Megan Canright, Forensic Analytical Consulting Services. Presenters: J. Krause, Alexis Jones, Alex LeBeau, Forensic Analytical Consulting Services.

F5: STPA Hazard Evaluation Technique: A New Tool in the IH/OS Tool Box

11:15 a.m. - 12:15 p.m. Room 105

Moderator & Presenter: Kelsey Forde, Parvati Consulting LLC. Presenter: Timothy Stirrup, Parvati Consulting LLC.

F6: What Is Best in Class Contractor Management?

11:15 a.m. - 12:15 p.m. Room 109

Moderator & Presenter: David Bibby, ISN.

F7: The Complexities of Soil Sampling for Asbestos and Other Mineral Fibers

11:15 a.m. - 12:15 p.m. **Room 111** 

Moderator & Presenter: Ed Cahill, EMSL Analytical. Presenter: Tim Frederick, EPA.

# Tuesday, May 22 Education Sessions

F8: Risk Assessment & Management in Industry

11:15 a.m. - 12:15 p.m. Room 115BC

Moderator: Dawn Bolstad-Johnson, PHI AIR MEDICAL.

11:15 a.m. - 11:35 a.m.

**Customized IH Qualitative Risk** Assessment Model for Pharmaceutical Industries

Toral Mehta, Novartis, Austria. 11:35 a.m. - 11:55 a.m.

Developing a Health-Based Surface Clean up Level (SCL) for Metals

Michael Strange, ESIS. 11:55 a.m. - 12:15 p.m.

Risk Assessment for the Use of a Phenolic Biocide

Luke Nienhaus, RHP Risk Management,

F9: Women in IH: Develop Your Professional Brand, Part 2

Room 118 11:15 a.m. - 12:15 p.m.

Moderator: Ivory Iheanacho, Foster Wheeler. Presenter: Aileen Yankowski, Safety Management Solutions.

F10: So Now You're the RSO: Introduction to Radiation Safety **Programs** 

11:15 a.m. - 12:15 p.m.

Moderator: Laurie Vivekanand, Hudson Valley Community College. Presenters: Stephen Bump, Dade Moeller/NV5; Michael Finnamore, Baxter International, Inc.; Norman Henry, Safety and Health By Protection.

F11: Design Review for Industrial Hygienists, Part 2

11:15 a.m. - 12:15 p.m. Room 108B

Moderator: Kevin Dunn, NIOSH. Presenters: Arthur Belden, Kimberly Parks, U.S. Army Public Health Center, Aberdeen Proving Ground.

F12: Helping Academic Research Labs Identify Chemical Hazards: A **GHS Spreadsheet Tool** 

Room 104 11:15 a.m. - 12:15 p.m.

Moderator & Presenter: Courtney Stanion, Duke University.

F13: How to Conduct Sampling for Fire-Related Particulates and Odors 11:15 a.m. - 12:15 p.m. Room 113A

Moderator: Mike Smith, Amec Foster Wheeler, Presenter: Michelle David, Amec Foster Wheeler.

F14: SDS Authoring and Reviewing, Part 2

11:15 a.m. - 12:15 p.m. Room 116

Presenters: Denese Deeds. Chandra Gioiello, Industrial Health and Safety Consultants. Inc.

#### Poster Session 2

Author Attend Time 11:15 a.m. - 12:15 p.m. Professional Posters Zone, The Hub, Exhibit Hall B

Topics: Exposure Assessment Strategies, Sampling and Analysis, Exposure Banding/Occupational Exposure Limits

See page 48 for posters on this topic. For a full list of co-authors and detailed abstracts, see the AIHce 2018 website.

#### **Expo Hall Activities**

12:00 p.m. - 2:00 p.m.

Hall A at the columns in the 1300 and 1700 aisles and in the AIHA Booth 1039

Hank's Ice Cream Float Bar - Hanks' Gourmet Beverages is a Philly family business. Enjoy a float featuring one of their 7 famous flavors!

#### NIOSH Tech Talks: **Current Topics**

12:30 p.m. - 1:30 p.m.

Table Topics Zone, The Hub, Exhibit Hall B

G1: On-Site: Safe Site

2:00 p.m. - 3:00 p.m.

Room 104

Moderator: Randy Eyermann, Edge Eyewear. Presenter: Neil Powell, Edge Eyewear.

G2: Bring Out Your Dead: Changing Exposures in the Death Industry 2:00 p.m. - 3:00 p.m. **Room 116** 

Moderator & Presenter: Eva Glosson, WA State Department of Labor and Industries. Presenter: Kat Gregerson, WA State Department of Labor and Industries.

G3: On Becoming a "Senior" IH: **Embracing Change and Challenging** Ageism

2:00 p.m. - 3:00 p.m. **Room 111** 

Moderator: Corrine Balcaen, Teck Resources Inc., Canada. Presenters: Marshall Denhoff, University of Calgary, Canada; Harry Beaulieu, Industrial Hygiene Resources; Michael Amster, M.B. Amster & Associates, Inc.

G4: Healthy by Design: Building for Wellness

2:00 p.m. - 3:00 p.m. **Room 117** 

Moderator: Jennifer Taranto. Structure Tone. Presenters: Kate Rube, International WELL Building Institute; Kathryn Tart,

G5: Help! I'm Being Audited by **OSHA** 

2:00 p.m. - 3:00 p.m. Room 103

Moderator: Bryan Heard, Sustainable Workplace Alliance. Presenter: David Casavant, Sustainable Workplace Alliance.

G6: Sampling and Analysis of Air Contaminants

2:00 p.m. - 3:00 p.m. Room 118

Moderator & Presenter: Ryan LeBouf, NIOSH. Presenters: Charles Manning, Maria Peralta, Assay Technology; Scott Van Etten, EMSL Analytical Inc.

**G7: Preventing Worker Distractions** Before They Result in Injury Room 105

2:00 p.m. - 3:00 p.m.

Moderator & Presenter: Brendan Moriarty, Chubb Insurance. Presenter: Greg Griffith, Chubb Insurance.

**G8: Topics in Noise: Hearing Conservation Programs** 

2:00 p.m. - 3:00 p.m. Room 108A

Moderator: Janet Kivuyo, Department of Defense, Corpus Christi Army Depot.

2:00 p.m. - 2:20 p.m.

Use of Statistical Analysis & Modeling for Hearing Conservation Programs

Rob Brauch, Occupational Health and Safety Solutions.

2:20 p.m. - 2:40 p.m.

Cost and Effectiveness of Hearing Conservation Programs

Richard Neitzel, University of Michigan School of Public Health.

2:40 p.m. - 3:00 p.m.

Receipt of Noise Training to Prevent Occupational Hearing Loss

MK Fletcher, CPWR-The Center for Construction Research and Training.

G9: When Disaster Strikes: OS&H Professional Support During the Hurricane Harvey Response

2:00 p.m. - 3:00 p.m. Room 109

Moderator: Stephan Graham, U.S. Army MEDCOM PHC (Retired). Presenters: Laura Weems, U.S. Army Corps of Engineers; Craig Groman, United States Coast Guard IMAT; Edward Primeau, USCG Atlantic Strike Team.

### Education Sessions Tuesday, May 22

#### G10: Current Ergonomic Challenges and Assessment Tools

2:00 p.m. - 3:00 p.m.

Room 113A

Moderator: Chris Sparks, Bureau Veritas North America, Inc.

2:00 p.m. - 2:20 p.m.

#### Occupational Safety and Ergonomics Training Challenges Posed by Generation Z

Robert Thomas, Auburn University. 2:20 p.m. - 2:40 p.m.

#### DUET: A Practitioner-Friendly Upper **Extremity Risk Assessment Tool**

Sean Gallagher, Auburn University. 2:40 p.m. - 3:00 p.m.

#### **Ergonomic Hazards for Non-routine** Work at an Equipment Assembly Plant

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

#### G11: Exposure Assessment: Past, Present, and Future

2:00 p.m. - 3:00 p.m.

Room 113BC

Moderator: Erin Higgins, UCSF. 2:00 p.m. - 2:20 p.m.

#### Re-creation of Historical Community **Exposures to Dusts and Metals**

Michael Posson, Exponent, Inc. 2:20 p.m. - 2:40 p.m.

Samples of Formaldehyde in 12,000 U.S. Homes: What We Learned

Ankur Singhal, Exponent, Inc. 2:40 p.m. - 3:00 p.m.

#### Exposure Assessment: Computational Fluid Dynamics (CFD) Versus Tracer **Gas Results**

Daniel Hall, Chemistry and Industrial Hygiene.

#### G12: Interesting and Unusual NIOSH Health Hazard Evaluations, Part 1 2:00 p.m. - 3:00 p.m.

Moderator: Lydia Renton, BlueMetric Environmental, Inc., Canada. Presenter: Leonard Zwack, NIOSH. Presenters: Kendra Broadwater, Karl Feldmann, CDC/NIOSH.

#### G13: William P. Yant Award Lecture: Reflections on the Past, Present, and Future of Occupational Hygiene 2:00 p.m. - 3:00 p.m. Room 115BC

Moderator: Lydia Renton, BluMetric Environmental, Inc., Canada. Presenter: Andrea Sass-Kortsak, University of Toronto.

#### G14: Movie Matinee: COMPLICIT 2:00 p.m. - 3:00 p.m. Room 108B

Moderator: Scott Schneider, Retired. Producer & Co- Director: Heather White, COMPLICIT documentary.

#### Afternoon Sessions in The Hub



#### 2:00 p.m. – 2:25 p.m.

- Gifting Strategies That Still Make Sense, Education in the Learning Zone
- Breathing and Stretching: The Dance of Health, Health and Wellness in the Learning Zone
- Cooking Demonstration: Curried Vegetable Salad with Yogurt Sauce, Center

#### 2:30 p.m. – 2:55 p.m.

- How to Be a Catalyst in 20 Minutes!, Education in the Learning Zone
- Walking for Health, Health and Wellness in the Learning Zone
- Cooking Demonstration: Tuna Nicoise, Center column

#### 3:00 p.m. - 3:25 p.m.

- New ISO 45001 Risks and Opportunities for the OH&S Management System, Education in the Learning Zone
- Healthy Eating: Eating at the Workplace, Health and Wellness in the Learning Zone
- Cooking Demonstration: Roman Panzanella, Center column

#### 3:00 p.m. - 4:00 p.m.

Speed Networking Event, CareerAdvan-

#### 3:30 p.m. – 3:55 p.m.

- What to Expect with the New ISO 17025. Education in the Learning Zone
- Power & Engagement/Visualize & Realize Success. Health and Wellness in the Learning Zone

#### H1: Studies in Respiratory **Protection: Assessment Challenges** and Solutions

3:15 p.m. - 4:15 p.m.

Room 103

Moderator: Michael Parham, 3M. 3:15 p.m. - 3:35 p.m.

#### **Respiratory Protection for Abrasive** Blasting and Thermal Arc Spray Cladding

Ankit Sharma, International Safety Systems, Inc.

3:35 p.m. - 3:55 p.m.

#### Simulated Workplace Evaluation of a Respirator Seal Integrity Monitor Bingbing Wu, University of Cincinnati. 3:55 p.m. - 4:15 p.m.

Testing of Used Respirator Cartridges **Confirm Change Schedules** 

Charles Manning, Assay Technology.

H2: IH in Russia and the United States: Countries Far Apart,

Colleagues Mearby

3:15 .may riting DRAWNRoom 104

Mode rator: Fric Rocmuson, Chemistry & Industrial Hygiene, Inc. **Presenter:** Andrey Korchevskiy, Chemistry & Industrial Hygiene, Inc.

#### H3: Student Internships: Lessons Learned From the Field

3:15 p.m. - 4:15 p.m.

**Room 111** 

Moderator: Jake Shedd, University of Alabama at Birmingham. Presenters: Teniope Adewumi-Gunn, UCLA; Ashley Price, University of Alabama at Birmingham; Andrea Guytingco, University of Michigan.

#### H4: Implications of USP 800 in **Healthcare Systems and Pharmacies** 3:15 p.m. - 4:15 p.m. Room 113A

Moderator: Amanda Scott, The Children's Hospital of Philadelphia. Presenters: Colleen Marie Battista, The Children's Hospital of Philadelphia; Melissa McCullough, Dana Farber Cancer Institute; Jeffrey Voepel, Maxxam Analytics.

#### H5: Hazard Analysis Lessons Learned

3:15 p.m. - 4:15 p.m.

Room 118

Moderator & Presenter: Timothy Stirrup, Parvati Consulting LLC. Presenter: Kelsey Forde, Parvati Consulting LLC.

#### H6: Microbes in All the Wrong Places: Monitor and Manage Risks from Microbial Pathogens

3:15 p.m. - 4:15 p.m.

Room 105

Moderator: Kerry Ann Jaggassar, Ramboll Environ.

3:15 p.m. - 3:35 p.m.

#### Legionella Amplification in Potable Cold Water Systems' Carbon Filters

Robert McNeely, Forensic Analytical Consulting Services.

3:35 p.m. - 3:55 p.m.

#### Ice Machines and Legionellosis

Larry Lee, Pacific Industrial Hygiene. 3:55 p.m. - 4:15 p.m.

#### The Role of Hospital Toilets in Microbial Dissemination

Jesse Cooper, Aura Health and Safety.

#### H7: Selling Safety to the Front Line **Employee**

3:15 p.m. - 4:15 p.m.

Room 109

Moderator & Presenter: Patrick Karol. Karol Safety Consulting, LLC.

# Tuesday, May 22 Education Sessions

H8: Sampling & Analysis Studies: Potentially Unexpected Exposures for Workers & Consumers

3:15 p.m. - 4:15 p.m.

Room 116

Moderator: Thomas Slavin, Slavin OSH Group, LLC.

3:15 p.m. - 3:35 p.m.

Bisphenol A Exposure in U.S. Manufacturing Workers: Should We Be Concerned?

Cynthia Hines, NIOSH. 3:35 p.m. - 3:55 p.m.

Asbestos in Consumer Products: A **Continued Health Risk** 

Robert DeMalo, EMSL Analytical, Inc. 3:55 p.m. - 4:15 p.m.

Proficiency Testing Scheme: Aldehydes in Workplace Air Samples

Franziska Nürnberger, Institute for Occupational Safety and Health, German Social Accident Insurance, Germany.

H9: Risk Management: A Simple Technical Application

RAWNON 113BC 3:15 r.m. - 4:15 p.m. Moderator & Presenter: Fernando De

Melo, Pacific Sarety Consulting, Canada. Presenter: Scott Lescak, Pacific Safety Consulting, Canada.

H10: Computers and IH: New **Applications in Data Center Evaluation, Smart Inventory** Management, and Software for Silica Monitorina

3:15 p.m. - 4:15 p.m.

**Room 117** 

Moderator: Iris Wang, Western Digital Technologies.

3:15 p.m. - 3:35 p.m.

New Applications for IH Evaluation Methods in Large Data Centers

Daniel Chute, BSI EHS Services and Solutions. Inc.

3:35 p.m. - 3:55 p.m.

\*WITHDRAWN\* Managing IH Equipment **Inventory Using Smart Connected** Technology

Eli Miller. 3M.

3:55 p.m. - 4:15 p.m.

New NIOSH Software for Field-based Crystalline Silica Monitoring Emanuele Cauda, NIOSH.

H11: Current Topics in Laboratory Health and Safety: Chemical **Exposures & Ventilation** 

3:15 p.m. - 4:15 p.m.

Room 108A

Moderator: Garth Graham, W. L. Gore & Associates.

3:15 p.m. - 3:35 p.m.

A Comprehensive Policy for the Management of Time Sensitive Chemicals

Alyssa Brand, Lawrence Berkeley National Laboratory.

3:35 p.m. - 3:55 p.m.

**Direct Reading Methods for Assessing VOC Exposures** 

Kenneth Brown, NIOSH.

3:55 p.m. - 4:15 p.m.

Laboratory Ventilation: Impact on the **Building Environment** 

Michael Menz, EMSL Analytical.

H12: Interesting and Unusual NIOSH Health Hazard Evaluations, Part 2 3:15 p.m. - 4:15 p.m.

Moderator: Leonard Zwack. NIOSH. Presenters: Eric Glassford, Catherine Beaucham, Michael Grant, CDC/NIOSH.

H13: Henry J. Smyth Jr. Award: Find the Need and Fill it

3:15 p.m. - 4:15 p.m.

Room 115BC

Moderator: Elizabeth Pullen, Clarient Corp. Presenter: Cheri Marcham, Embry-Riddle Aeronautical University.

# Late Night Learning

Case Studies in Ethics: Making the Right Choices

8:00 p.m. - 10:00 p.m. Marriott, Room 302/303

Presenter: Mark Katchen, The Phylmar Group, Inc.



www.aihce2019.org



# TSI+ OUR FOC



TSI IS PROUD TO EXPAND ITS
PORTFOLIO WITH INDUSTRY LEADING
INSTRUMENTATION FROM QUEST.

- + Personal Noise Dosimeters
- + Sound Level Meters
- + Heat Stress Monitors
- + Indoor Air Quality/
  Particulate Monitors

Learn more at www.tsi.com/quest



#### INTELLIGENT FIT TEST SOLUTIONS

The new PortaCount® Respirator Fit Tester provides users with intelligent fit test solutions, increasing staff safety and program productivity.

- + Automate testing and drive consistency with animated fit test steps
- + Quickly identify the right mask fit and improve staff training with FitCheck Mode™
- + Fit test any respirator type, including N95 filtering facepieces

www.tsi.com/intelligentsolutions





## The 11th International Occupational Hygiene Association (IOHA) International Scientific Conference

September 24-26, 2018 | Washington, DC, USA | #IOHA2018USA

## What is IOHA 2018 and Why should you attend?

The 11th IOHA International Scientific Conference (IOHA 2018) is a special event, whose mission is to create a global appeal to an international audience of multi-disciplined professionals with a focus on worker health protection and exposure control. The conference will provide a unique integrated platform of workplace health and well-being in a professional and scientific arena ideal for hearing the latest science and viewpoints, as well as networking and professional development opportunities.

## **ANNOUNCING**

Keynote Speaker
Nancy Leppink - Branch Chief
International Labour Organization,
(LABADMIN/OSH)
Genève, Switzerland

Ms. Leppink will present worker health issues in a global economy dominated by large multinational corporations with

access to labor in lesser developed countries, the impacts of such dependencies on worker well-being and rights, and the occupational health infrastructure needs in developing countries to address these new challenges.



## Where will IOHA 2018 be located?

The IOHA conference will be held in Washington, DC, USA at the Marriott Marquis Hotel, 901 Massachusetts Avenue, NW.



- Professional Development Course (PDC)
   Presentations September 22-23 & 27, 2018
- Conference September 24-26, 2018

Sponsors

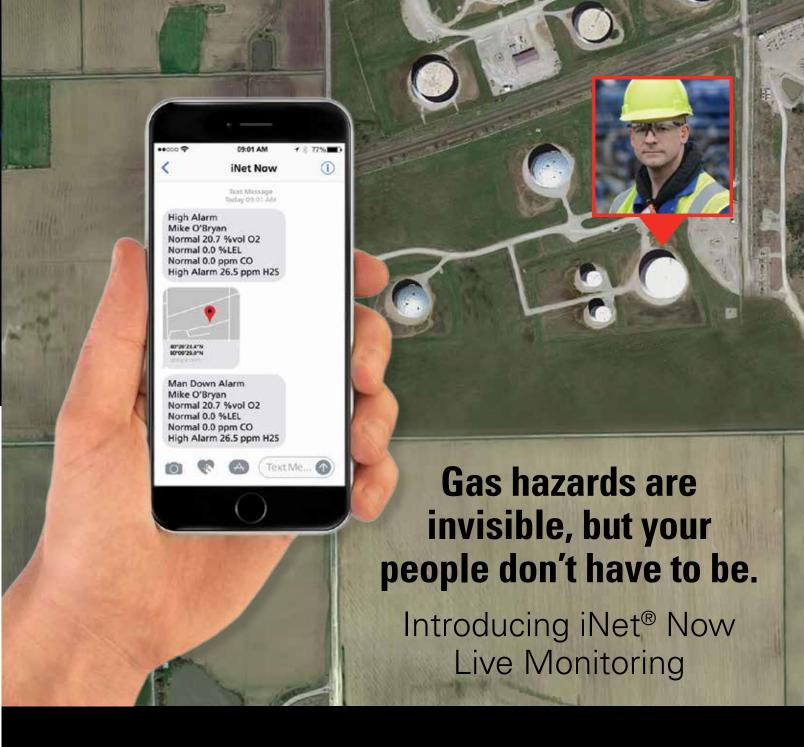












Track worker and instrument status even when you're away from the office thanks to real-time text messages, email alerts, and a live map accessible from any web-connected device.

THE MOMENT IS NOW. Visit us at Booth #1615





## Wednesday At-a-Glance

As of April 4, 2018

## Wednesday, May 23

6:30 a.m. - 8:00 a.m.



Mark of Excellence Breakfast

Ballroom AB

### 9:00 a.m. - 10:00 a.m.

- I1: Aerosol Measurements: Cyclonic and Spectroscopic Measurement, Room 113BC
- I2: You Are What You Write: Communication Methods Using Digital Media, Room 111
- 13: Emerging Issues in IH: Law Enforcement and National Security, Room 115BC
- 14: Bloodborne Pathogens: The First 25 Years of OSHA Enforcement. Room 108A
- 15: Which Asbestos Is Asbestos? Dealing With Ambiguous Minerals, Room 109
- 16: Strategic Partnerships for Reducing Health Risks in the Workplace, Room 108B
- 17: Risk Analysis Using Layer of Protection Analysis (LOPA), Room 105
- 18: Leverage Digital EHS Inspection and Asset Management Systems, Room 116
- 19: Environmental Exposure Assessments for Patients With Hypersensitivity Pneumonitis, Room 117
- 110: IH Perspective in Emergency Response to a Process Plant Fire, Room 113A
- I11: Using Anthropometrics for Industrial Workplace Design, Room 112
- 112: TLVs: Use, Misuse, and Misunderstandings, Room 103
- 113: Low-Cost 3-D Printing and Fabrication: Not Low in Fume Emission, Room 118
- I14: Donald E. Cummings Memorial Award Lecture,
- 115: Days of Our Lives: Practical Applications for the IH Laboratory and their Customers. Part 1: The Storms of Sampling and Analysis, Room 104

## 9:00 a.m. - 11:00 a.m.

ACTIONS Committee Meeting. Room 202B

## 9:00 a.m. - 4:00 p.m.

CareerAdvantage Development Fair Open, The Hub, Hall B

- Online Job and Resume Postings all day
- On-Site Interviews 9:00 a.m. Noon
- Resume Critiquing 9:00 a.m. Noon
- On-Site Interviews 1:00 p.m. 3:00 p.m.

### 9:30 a.m. - 9:55 a.m.

- Submitting a Session Proposal for AIHce EXP 2019, Education in the Learning Zone, The Hub, Hall B
- Chair Yoga, Health and Wellness in the Learning Zone, The Hub. Hall B

## 10:00 a.m. - 10:25 a.m.

- Dos, Don'ts, and Hints for Applying for the CIH Exam, Education in the Learning Zone, The Hub, Hall B
- Your Breath as a Meditative Focus to Claim and Reset the Mind, Health and Wellness in the Learning Zone, The Hub, Hall B

### 10:15 a.m. - 11:15 a.m.

- J1: Real-Time Sensor Technology: Applications By IH Students. Room 113BC
- J2: Protecting African Workers: A Focus on East Africa. Room 117
- J3: Should You Be Worried? EHS Professionals in Jail. Room 103
- J4: Flash Fire and Explosions Caused by Electrostatic Discharges, Room 108A
- J5: Leadership and The Industrial Hygienist: A Perfect Combination!, Room 118
- J6: Developments in Beryllium Regulation, Sampling, and Laboratory Analysis, Room 105
- J7: Risk Assessment & Management Case Studies: Focus on Legislation and Policy, Room 109
- J8: Additive Manufacturing: Workplace Health and Safety, Part 1, Room 108B
- J9: Notable Confined Spaces: Some Awareness Issues, Part 1, Room 115BC
- J10: Topics in Controls: Respirable Crystalline Silica, Fit-Test, and Welding Fume, Room 111
- J11: Exposure Assessments in Aviation and Live Weapons Training, Room 113A
- J12: How Are Innovative Technologies Affecting Your Culture?. Room 116
- J13: Stokinger Lecture: The Importance of Confirming Protection from Risks in All the Places We Live, Learn, Work, and Play, Room 119
- J15: Days of Our Lives: Practical Applications for the IH Laboratory and their Customers. Part 2: Drama Implementing Sustainable Continuous Improvement Program: Benefits, Hurdles, and Culture, Room 104
- Poster Session 3 Author Attend Time, Professional Posters Zone, The Hub, Exhibit Hall B Topics: Healthcare, Occupational and Environmental Epidemiology, Regulation & Legislation.

### 10:30 a.m. - 10:55 a.m.

- Core Competencies for the Practice of Industrial/ Occupational Hygiene, Education in the Learning Zone, The Hub. Hall B
- A Healthy Lifestyle The Components, Health and Wellness in the Learning Zone, The Hub, Hall B

## 1:00 p.m. - 1:25 p.m.

- Synergist/JOEH, Education in the Learning Zone, The
- Power Stretches, Health and Wellness in the Learning Zone, The Hub, Hall B

### 1:00 p.m. - 2:00 p.m.

- K1: Case Studies on the Respiratory Deposition of Metal Fume Particles. Room 105
- K2: Topics in Protective Clothing and Equipment: Focus on Respirators and Gowns, Room 113BC
- K3: Innovations That Ignite Worker Health, Room 118
- K4: Healthcare Worker Occupational Exposure to Hazardous Drugs, Room 108A
- K5: Current Issues in Regulatory Policy: Updates on Lead and Legionella, Room 111
- K6: AIHA Local Sections: Managing, Marketing, Collaborating, & Engaging, Room 116
- K7: Biosafety and IH in Animal Research, Room 117
- K8: Additive Manufacturing: Workplace Health and Safety, Part 2, Room 108B
- K9: Notable Confined Spaces: Solutions to Improve Outcomes, Part 2, Room 115BC
- K10: Interesting OSHA Health Cases, Part 1, Room 103
- K11: How To Make Your March Staff
- K12: Waterborne Pathogens Mysteries Solved,
- K13: Mock Trial: Use of Expert IH Testimony in a Wrongful Termination Case, Part 1, Room 119
- K15: Days of Our Lives: Practical Applications for the IH Laboratory and their Customers. Part 3: A Reawakening: ISO/IEC 17025:2017 Evolving Mindset of the International Laboratory Standard, Room 104

## 1:00 p.m. - 3:00 p.m.

ABET Session, Marriott, Room 304

### 1:30 p.m. - 1:55 p.m.

- How Being Mentored Can Help You as a Student, Education in the Learning Zone, The Hub, Hall B
- · Healthy Eating: Eating Out, Health and Wellness in the Learning Zone, The Hub, Hall B

## Events take place at the Pennsylvania Convention Center, unless otherwise noted.

### 1:30 p.m. - 3:30 p.m.

 WHWB – Workplace Health Without Borders Meetings, Marriott, Liberty Ballroom B

## 2:00 p.m. - 2:25 p.m.

- · Standards Advisory Panel of the AIHA: Outlook for the Future, Education in the Learning Zone, The Hub,
- Flower Essences: Botanical Sprays for Health and Well Being, Health and Wellness in the Learning Zone, The Hub, Hall B

## 2:15 p.m. - 3:15 p.m.

- L1: Laboratory Considerations for Analysis of Radiologically Contaminated IH Samples, Room 113A
- L2: Nanotechnology Updates: Focus on Nanoparticles, Room 113BC
- L3: Emergency Preparedness and Response After Crisis and Catastrophe, Room 115BC
- L4: A New Silica Control Tool in British Columbia. Canada, Room 111
- L5: Applying ISO 45001 to Manage Your Workplace Ergonomics Program, Room 105
- L6: Exposure Assessment: Estimating Methods, Room 118
- L7: Legionnaires' Disease, a Re-emerging Threat: Latest Investigative Tools, Room 108A

- L8: Inside the Building Environment: Fungal Guidelines and Discoveries, Room 108B
- L9: Understanding Exposure in Talc-Attributed Disease, Room 109
- L10: Interesting OSHA Health Cases, Part 2, Room 103
- L11: Bolivian Mineral Mining and Milling: Characterizing Dust, Room 117
- L13: Mock Trial: Use of Expert IH Testimony in a Wrongful Termination Case, Part 2, Room 119
- L14: NIOSH Research on Reducing Welding Fume Exposures in Electric Power Generation, Room 116
- L15: Days of Our Lives: Practical Applications for the IH Laboratory and their Customers. Part 4: A Stranger in Town: HSE Role in Protecting Worker Encounters with Illicit Drugs, Room 104

## 2:30 p.m. - 2:55 p.m.

- Synergist Panel 2, Education in the Learning Zone, The Hub, Hall B
- Spices: Not just for taste, they keep you healthy to!, Health and Wellness in the Learning Zone, The Hub,

## 3:30 p.m. - 4:30 p.m.

**Closing Session** Total Exposure Health: A Revolutionary Way to Think of Exposure and Primary Prevention

Col.(ret.) Kirk Phillips, LJB Inc. Ballroom AB

## 4:30 p.m. - 6:30 p.m.

- Communication and Training Methods Committee, Marriott, Room 404
- Laboratory Health and Safety Committee, Marriott, Room 402/403

## 4:45 p.m. - 5:15 p.m.

 AIHA Annual Business Meeting, Marriott, Liberty Ballroom A

## 5:00 p.m. - 6:30 p.m.

• Oil and Gas Working Group, Marriott, Room 411/412

## 5:00 p.m. - 7:00 p.m.

- · Career and Employment Services Committee, Marriott, Grand Ballroom J
- Incident Preparedness and Response Working Group, Marriott, Room 414/415

## 5:30 p.m. - 6:30 p.m.

 AIHA Board of Directors/Staff Meeting (by invitation only), Marriott, Grand Ballroom K

## 6:00 p.m. - 8:00 p.m.

 University of South Florida Sunshine ERC Reception, Field House; 1150 Filbert Street; Philadelphia, PA 19107

## Thursday At-a-Glance

As of April 4, 2018 ★ denotes a NEW PDC

## Thursday, May 24

## 7:00 a.m. - 7:30 a.m.

PDC Monitor Meeting, Room 107AB

## 7:00 a.m. - 1:00 p.m.

• Registration, Arch Street Bridge

## 7:00 a.m. - 5:00 p.m.

• Speaker Ready Room, Room 107AB

## 8:00 a.m. - Noon

- ★ PDC 901: Applying Industrial Hygiene to **Environmental Infection Control in Healthcare** Settings, Room 117
- PDC 902: Risk Assessment during an Incident Response, Room 109AB
- PDC 903: Designing Effective EHS Organizations Using Management Systems, Room 105AB

## 8:00 a.m. - 5:00 p.m.

- PDC 801: Train The Trainer Improving IH Exposure Judgments, Room 119A
- ★ PDC 802: Preparing for the Crisis OHS Planning and Risk Communication, Room 108B
- PDC 803: Legal Issues and Exposures in Your IH Practice, Room 111AB
- PDC 804: The Sub-Microgram World Guidance for Compliance with the OSHA Beryllium Standard, Room 108A
- ★ PDC 805: Heat Stress The Forgotten IH Fundamental, Room 104AB
- PDC 806: Hearing Loss Prevention Beyond the Basics, Room 116

- ★ PDC 807: OSHA Recordkeeping The Good, the Bad, and the Ugly, Room 121C
- ★ PDC 808: How to Implement a Fatigue Risk Management System, Room 122A
- PDC 809: Risk Assessment Boot Camp Environmental and Occupational Health Applications, Room 119B
- ★ PDC 810: Using the Business Case for Prevention through Design (PtD) Interventions, Room 120C

## Noon - 1:00 p.m.

PDC Lunches, Room 201ABC

## 1:00 p.m. - 5:00 p.m.

 ★ PDC 1001: Qualitative Risk Analysis — A Redbook Tool for the IH/OS Tool Box, Room 117

## Wednesday, May 23 **Education Sessions**



I1: Aerosol Measurements: Cyclonic and Spectroscopic Measurement 9:00 a.m. - 10:00 a.m. Room 113BC

Moderator: Sarath Seneviratne. FDA/

9:00 a.m. - 9:20 a.m.

Collection Efficiency: Parallel-Particle Impactor vs. Aluminum Cyclone Vincent Daliessio, EMSL Analytical Inc.

9:20 a.m. - 9:40 a.m. Field and Laboratory Study of End-of-Shift Cyclone for Quartz Measurement Taekhee Lee, CDC/NIOSH.

9:40 a.m. - 10:00 a.m.

Preparation of Mineral Calibration Samples for Fourier Transform Infrared Spectroscopy (FTIR)

Teresa Barone, NIOSH.

## I2: You Are What You Write: **Communication Methods Using** Digital Media

9:00 a.m. - 10:00 a.m. **Room 111** 

Moderator: Andrew Burgie, NYU CGPH. Presenters: Aileen Yankowski, Safety Management Solutions; Chandra Gioiello, Industrial Health and Safety Consultants, Inc.



Full session descriptions may be found in the mobile app. Events take place at the Pennsylvania Convention Center unless otherwise noted.

13: Emerging Issues in IH: Law **Enforcement and National Security** 9:00 a.m. - 10:00 a.m. Room 115BC

Moderator: Chris Laszcz-Davis, The Environmental Quality Organization, LLC. 9:00 a.m. - 9:20 a.m.

## Evaluation of Thermal Stress in Law **Enforcement Personnel**

Stephanie Griffin, University of Arizona Tucson.

9:20 a.m. - 9:40 a.m.

## Opioid Exposure Prevention for Law **Enforcement Agencies**

Robert Kirkby, Michigan State Police. 9:40 a.m. - 10:00 a.m.

The 21st Century: The Role of the IH in **Global Commerce and National Security** Christine Knezevich, Wright Patterson AFB.

I4: Bloodborne Pathogens: The First 25 Years of OSHA Enforcement 9:00 a.m. - 10:00 a.m. Room 108A

Moderator & Presenter: Michael Pannell, NASA. Presenters: Michael Hodgson, OSHA; Amber Mitchell, International Safety Center.

### **I5: Which Asbestos Is Asbestos? Dealing With Ambiguous Minerals** 9:00 a.m. - 10:00 a.m. Room 109

Moderator: Eric Rasmuson, Chemistry & Industrial Hygiene, Inc. Presenters: Andrey Korchevskiy, Chemistry & Industrial Hygiene, Inc.; Dan Hernandez, Flatiron Corp.

## 16: Strategic Partnerships for Reducing Health Risks in the Workplace

9:00 a.m. - 10:00 a.m. Room 108B

Moderator: Sara Webb, ExxonMobil. Presenters: Vicky Tay, ExxonMobil, Singapore; Cameron Isaacs, Jennifer Sheffer, ExxonMobil.

### 17: Risk Analysis Using Layer of Protection Analysis (LOPA) 9:00 a.m. - 10:00 a.m. Room 105

Moderator & Presenter: Kelsey Forde, Parvati Consulting LLC. Presenter: Timothy Stirrup, Parvati Consulting LLC.

## 18: Leverage Digital EHS Inspection and Asset Management Systems 9:00 a.m. - 10:00 a.m.

Moderator: Elizabeth Vold, 3M. Presenters: David Stein, Perry Logan, 3M.

19: Environmental Exposure Assessments for Patients With Hypersensitivity Pneumonitis 9:00 a.m. - 10:00 a.m. Room 117

Moderator: Michael Krause, Veritox, Inc. Presenters: Coreen Robbins, Karen Michael, Veritox, Inc.

### I10: IH Perspective in Emergency Response to a Process Plant Fire 9:00 a.m. - 10:00 a.m. Room 113A

Moderator: Steve Graham, U.S. Army Medcom PHC (Retired). Presenters: Edward Primeau, USCG Atlantic Strike Team; Eugene Satrun, Industrial Hygiene Advisor; Glenn Lamson, OSHA Health Response Team.

### **I11:** Using Anthropometrics for Industrial Workplace Design 9:00 a.m. - 10:00 a.m. Room 112

Moderator: Gary Downey, The Ergonomics Center. Presenter: Ellen Gallo, The Hartford.

## I12: TLVs: Use, Misuse, and Misunderstandings

9:00 a.m. - 10:00 a.m.

Moderator: William Mills, Northern Illinois University. Presenters: Theodore Hogan, Northern Illinois University; Susan Arnold, University of Minnesota.

## I13: Low-Cost 3-D Printing and Fabrication: Not Low in Fume Emission

9:00 a.m. - 10:00 a.m.

Room 103

Moderator: Wei-Chung Su, University of Texas Health Science Center. **Presenter:** Jun Wang, University of Oklahoma.

## 114: Donald E. Cummings Memorial **Award Lecture**

9:00 a.m. - 10:00 a.m. **Room 119** 

Moderator: Susan Arnold, University of Minnesota; Gurumurthy Ramachandran, Johnson Hopkins Bloomberg School of Public Health. Presenter: Mark Stenzel, Exposure Assessment Applications, LLC.

I15: Days of Our Lives: Practical Applications for the IH Laboratory and their Customers. Part 1: The Storms of Sampling and Analysis 9:00 a.m. - 10:00 a.m. Room 104

Presenters: Laura Parker, Maxxam Analytics; Cindy Ostrowski, CAO Consulting, LLC.



## Morning Sessions in The Hub



Hall B

### 9:30 a.m. - 9:55 a.m.

- Submitting a Session Proposal for Al-Hce EXP 2019, Education in the Learning
- Chair Yoga Session 3, Health and Wellness in the Learning Zone

## 10:00 a.m. - 10:25 a.m.

- Dos, Don'ts, and Hints for Applying for the CIH Exam, Education in the Learning Zone
- Your Breath as a Meditative Focus to Claim and Reset the Mind. Health and Wellness in the Learning Zone

## 10:30 a.m. - 10:55 a.m.

- Core Competencies for the Practice of Industrial/Occupational Hygiene, Education in the Learning Zone
- A Healthy Lifestyle The Components, Health and Wellness in the Learning Zone

## J1: Real-Time Sensor Technology: **Applications By IH Students**

10:15 a.m. - 11:15 a.m. Room 113BC

**Moderator:** Roger Lewis, Saint Louis University. Presenters: Justin Cathey, Northern Illinois University; Leslie Allsopp, University of North Texas Health Science Center; Brandon Jensen, University of Minnesota.

## J2: Protecting African Workers: A Focus on East Africa

10:15 a.m. - 11:15 a.m. Room 117

Moderator: Marianne Levitsky, Workplace Health Without Borders/ECOH. Presenters: Lvdia Renton. BluMetric Environmental Inc.; Thomas Fuller, Illinois State University.

## J3: Should You Be Worried? EHS Professionals in Jail

10:15 a.m. - 11:15 a.m. Room 103

Moderator: Jeanine Prud'homme, New York City Department of Environmental Protection. Presenter: Neil Feldscher, New York City Department of Environmental Protection.

### J4: Flash Fire and Explosions Caused by Electrostatic Discharges 10:15 a.m. - 11:15 a.m. Room 108A

Moderator & Presenter: John Wincek, DEKRA Process Safety.

J5: Leadership and The Industrial Hygienist: A Perfect Combination! 10:15 a.m. - 11:15 a.m. **Room 118** 

Moderator & Presenter: James Withers. American Packaging Corporation.

## J6: Developments in Beryllium Regulation, Sampling, and **Laboratory Analysis**

10:15 a.m. - 11:15 a.m. Room 105

Moderator: Nicola Watson, Markes International. **Presenters:** Maureen Ruskin. OSHA; Michael Brisson, Savannah River National Laboratory; Seuri Taruru, Nevada National Security Site.

## J7: Risk Assessment & Management Case Studies: Focus on Legislation and Policy

10:15 a.m. - 11:15 a.m.

**Room 109** 

Moderator: David Hicks, Architect of the Capitol.

10:15 a.m. - 10:35 a.m.

Pursuing Balance: An Integrated OEHS Internal Auditing Approach

Craig Torres, Gates Corporation. 10:35 a.m. - 10:55 a.m.

Case Study on Risk Management **Determinations Under TSCA** Matthew Lloyd, US EPA.

10:55 a.m. - 11:15 a.m.

Going from Zero to Hero: A Case Study of How One Company Took on Fatigue Mike Harnett, Six Safety Systems, Canada.

### J8: Additive Manufacturing: Workplace Health and Safety, Part 1 10:15 a.m. - 11:15 a.m. Room 108B

Moderator: Kevin Dunn. NIOSH/DSHEFS. Presenters: Srinivas Durgam, GE Additive; Megan Sandy, Dartmouth College.

## J9: Notable Confined Spaces: Some Awareness Issues, Part 1

10:15 a.m. - 11:15 a.m. Room 115BC

Moderator: Warren Brown, VOS. Presenters: Bonnie Lockhart, Ameren Corporation; Jay Gieseke, Andeavor/St. Paul Park Refining.

## J10: Topics in Controls: Respirable Crystalline Silica, Fit-Test, and Welding Fume

10:15 a.m. - 11:15 a.m. **Room 111** 

Moderator: Michael Malter, Karl Environmental Group.

10:15 a.m. - 10:35 a.m.

Effectively Reduce Employee Exposures to Respirable Crystalline Silica Natalie Fox, Ramboll.

10:35 a.m. - 10:55 a.m.

Respirator Fit Capability Test for Full Facepiece Air-Purifying Respirators Ziqing Zhuang, NIOSH. 10:55 a.m. - 11:15 a.m.

\*WITHDRAWN\* Realistic Issues While Assessing Welding Fume Exposures Tauseef Badar, Naval Hospital Camp Pendleton.

### J11: Exposure Assessments in **Aviation and Live Weapons Training** 10:15 a.m. - 11:15 a.m. Room 113A

Moderator: Dirk Yamamoto, USAF School of Aerospace Medicine, Wright Patterson AFB. Presenters: Christin Grabinski, TSgt Jerimiah Jackson, Danielle McKenzie-Smith, USAF School of Aerospace Medicine, Wright Patterson AFB.

### J12: How Are Innovative **Technologies Affecting Your Culture?** 10:15 a.m. - 11:15 a.m. Room 116

Moderator: Eric Glass, UL EHS Sustainability. Presenter: Phillip Dement, UL EHS Sustainability.

J13: Stokinger Lecture: The Importance of Confirming Protection from Risks in All the Places We Live, Learn, Work, and Play 10:15 a.m. - 11:15 a.m. **Room 119** 

Presenter: Mark Hoover, NIOSH/CDC.

J15: Days of Our Lives: Practical Applications for the IH Laboratory and their Customers. Part 2: Drama Implementing Sustainable Continuous Improvement Program: Benefits, Hurdles, and Culture 10:15 a.m. - 11:15 a.m. Room 104

Presenters: Pamela Kostle, University of Wisconsin-Madison; Shawn Kusma, Maxxam Laboratories.

### Poster Session 3

Author Attend Time 10:15 a.m. - 11:15 a.m. Professional Posters Zone, The Hub, Exhibit Hall B

## Topics: Healthcare, Occupational and Environmental Epidemiology, Regulation & Legislation

See page 48 for posters on this topic. For a full list of co-authors and detailed abstracts, see the AIHce 2018 website.

## Education Sessions Wednesday, May 23

## **Expo Hall Activities**



11:30 a.m. - 1:30 p.m.

Hall A at the columns in the 1300 and 1700 aisles and in the AIHA Booth 1039

Build Your Own Trail Mix - Fuel your brain for a strong finish to AIHce EXP 2018. What a perfect grab-and-go for your train, drive, or flight home!

### K1: Case Studies on the Respiratory **Deposition of Metal Fume Particles** 1:00 p.m. - 2:00 p.m. Room 105

Moderator: Kirsten Koehler, Johns Hopkins School of Public Health. Presenters: Jun Wang, University of Oklahoma; Ashley Newton, Johns Hopkins School of Public Health; Wei-Chung Su, University of Texas Health Science Center.

## K2: Topics in Protective Clothing and **Equipment: Focus on Respirators** and Gowns

1:00 p.m. - 2:00 p.m. Room 113BC

Moderator: Diana Peroni, BioMarin Pharmaceutical.

1:00 p.m. - 1:20 p.m.

Effect of Stockpiling Conditions on **Respirators and Surgical Gowns** Lee Greenawald, CDC/NIOSH/NPPTL. 1:20 p.m. - 1:40 p.m.

Evaluation of the Performance of Reusable Isolation Gowns

F. Selcen Kilinc-Balci, CDC/NIOSH. 1:40 p.m. - 2:00 p.m.

A Manikin-Based Assessment of Powered Air-Purifying Respirators Michael Bergman, NIOSH/NPPTL.

## K3: Innovations That Ignite Worker Health

1:00 p.m. - 2:00 p.m. **Room 118** 

Moderator & Presenter: Cathy White, The Dow Chemical Company. Presenters: Curtis Hintz, Karen Millison, The Dow Chemical Company.

## K4: Healthcare Worker Occupational **Exposure to Hazardous Drugs**

1:00 p.m. - 2:00 p.m. Room 108A

Moderator & Presenter: Christine Roussel, Doylestown Hospital.

K5: Current Issues in Regulatory Policy: Updates on Lead and Legionella

1:00 p.m. - 2:00 p.m. Room 111

Moderator: Karen Jones, Bureau Veritas North America, Inc.

1:00 p.m. - 1:20 p.m.

## **HUD's Lead Safe Housing Programs in a Changing Regulatory Environment**

Warren Friedman, U.S. Department of Housing and Urban Development. 1:20 p.m. - 1:40 p.m.

## New Cost Benefit Analysis of Policies to Prevent Childhood Lead Exposure

David Jacobs, National Center for Healthy Housing.

1:40 p.m. - 2:00 p.m.

## New Standards and Regulation for Legionella Control in Building Water Systems

Zhe Zhang, SanAir Technologies Laboratory.

## K6: AIHA Local Sections: Managing, Marketing, Collaborating, & Engaging

1:00 p.m. - 2:00 p.m. **Room 116** 

Moderator & Presenter: Bernard Fontaine, The Windsor Consulting Group, Inc.

## K7: Biosafety and IH in Animal Research

1:00 p.m. - 2:00 p.m.

Moderator: Dawn Toon. UMass Amherst. Presenter: James Stubbs, University of Utah.

### **K8: Additive Manufacturing:** Workplace Health and Safety, Part 2 1:00 p.m. - 2:00 p.m. Room 108B

Moderator: Srinivas Durgam, GE Additive. Presenters: Duane Hammond, NIOSH; Kevin Dunn, NIOSH/DSHEFS.

## **K9: Notable Confined Spaces:** Solutions to Improve Outcomes, Part 2

1:00 p.m. - 2:00 p.m. Room 115BC

Moderator: Warren Brown, VOS. Presenters: Michael Palmer, EnSafe, Inc.; Neil McManus, Northwest, Canada.

## K10: Interesting OSHA Health Cases, Part 1

1:00 p.m. - 2:00 p.m. Room 103

Moderator: Anthony Towey, USDOL/OSHA. Presenters: Catherine Brescia, USDOL/ OSHA; Margaret Rawson, USDOL/OSHA NY Regional Office; Dena Stone, USDOL/ OSHA Allentown Area Office.

## K12: Waterborne Pathogens Mysteries Solved

1:00 p.m. - 2:00 p.m. Room 109

Moderator: John Martinelli. Forensic Analytical Consulting Services, Inc. Presenters: Megan Canright, Ben Kollmeyer, J. Krause, Forensic Analytical Consulting Services.

## K13: Mock Trial: Use of Expert IH Testimony in a Wrongful Termination Case. Part 1

1:00 p.m. - 2:00 p.m.

Moderator: Kurt Dreger, Lawrence Livermore National Laboratory. Presenters: Robert Kleinerman, Kleinerman & Associates, EHS Consulting, LLC.; Margaret Norman, Law Offices of Margaret Norman, ESQ; Philip Platcow, Astute & Practical Solutions.

K15: Days of Our Lives: Practical Applications for the IH Laboratory and their Customers. Part 3: A Reawakening: ISO/IEC 17025:2017 **Evolving Mindset of the International Laboratory Standard** 

1:00 p.m. - 2:00 p.m.

**Room 104** 

Presenter: Warren Merkel, National Institute of Standards and Technology.

## Afternoon Sessions in The Hub



Hall B

1:00 p.m. - 1:25 p.m.

- Synergist/JOEH, Education in the Learning Zone
- Power Stretches, Health and Wellness in the Learning Zone
- 1:30 p.m. 1:55 p.m.
- How Being Mentored Can Help You as a Student, Education in the Learning Zone
- Healthy Eating: Eating Out, Health and Wellness in the Learning Zone

## 2:00 p.m. - 2:25 p.m.

- Standards Advisory Panel of the AIHA: Outlook for the Future, Education in the Learning Zone
- Self Healing Massage, Health and Wellness in the Learning Zone

## 2:30 p.m. – 2:55 p.m.

- A Live Synergist Ethics Case, Education in the Learning Zone
- Spices: Not just for taste, they keep you healthy to!, Health and Wellness in the Learning Zone

## **Education Sessions** Wednesday, May 23

Room 115BC

L1: Laboratory Considerations for Analysis of Radiologically **Contaminated IH Samples** 

2:15 p.m. - 3:15 p.m. Room 113A

Moderator: Scott Van Etten, EMSL Analytical Inc. Presenters: Vincent Daliessio, EMSL Analytical Inc.; Michael Menz, EMSL Analytical Inc.

L2: Nanotechnology Updates: Focus on Nanoparticles

2:15 p.m. - 3:15 p.m. Room 113BC

Moderator: Katherine Serrano, Los Alamos National Laboratory.

2:15 p.m. - 2:35 p.m.

Control Banding for Engineered Nanomaterials Case Studies

Michele Shepard, Colden Corporation. 2:35 p.m. - 2:55 p.m.

NIOSH 7402 and the Tsai Diffusion Sampler Methods for Carbon Nanotubes

Jared Khattak, Colorado State University. 2:55 p.m. - 3:15 p.m.

**Emissions from Printed Paper and Cell Toxicity Test with Paper Particles** Nara Shin, Colorado State University.

2:15 p.m. - 2:35 p.m. Chlorine Exposure During a Biological **Decontamination Study** 

L3: Emergency Preparedness and

Response After Crisis and Catastrophe

Moderator: Penney Stanch, NASA Johnson

John Archer, U.S. EPA. 2:35 p.m. - 2:55 p.m.

2:15 p.m. - 3:15 p.m.

Space Center.

The Flint Water Crisis: Institutional **Ethics Considerations** 

Steven Neilson, U.S. Department of Energy. 2:55 p.m. - 3:15 p.m.

Industrial Hygiene in the Wake of a Catastrophe

Theodore Rowland, Terracon Consultants, Inc.

L4: A New Silica Control Tool in British Columbia, Canada 2:15 p.m. - 3:15 p.m. **Room 111** 

Moderator: Mona Shum, Aura Health and Safety Corporation, Canada. Presenters: Levi Kimble, Aura Health and Safety Corporation, Canada; Hugh Davies, Melanie Gorman-Ng, University of British Columbia, Canada.

L5: Applying ISO 45001 to Manage Your Workplace Ergonomics **Program** 

2:15 p.m. - 3:15 p.m. Room 105

Moderator: Blake McGowan, Humantech. Presenter: Walt Rostykus, Humantech, Inc.

L6: Exposure Assessment: **Estimating Methods** 

2:15 p.m. - 3:15 p.m.

**Room 118** 

Moderator: Jooyeon Hwang, Western Kentucky University.

2:15 p.m. - 2:35 p.m.

**US Air Force Exposure Assessment** Strategy

Matthew Ferreri, US Air Force. 2:35 p.m. - 2:55 p.m.

Translating Dermal Lead Accumulation into Dose

Rachel Seymour, Army Public Health Center.

2:55 p.m. - 3:15 p.m.

Novel Method for Estimating Dermal Contact with Hand-Applied Cleaning

Ryan Lewis, Exponent, Inc.





Visit us at Booth 1304 to get your Pathway Stamp!

## ANALYTICAL SERVICES

- Mold/Fungi
- Legionella & Bacteria
- Asbestos
- USP 797/800
- Industrial Hygiene
- PCR
- Lead
- Radon

EMLab P&K is a leading commercial indoor air quality (IAQ) laboratory that offers:

- Nationwide network of service and drop-off locations across the United States
- · Turnaround times to meet your needs
- Extensive list of accreditations and certifications
- Full range of analytical lab services
- · Online store to purchase sampling supplies and equipment

www.emlab.com

## Education Sessions Wednesday, May 23

L7: Legionnaires' Disease, a Re-emerging Threat: Latest **Investigative Tools** 

2:15 p.m. - 3:15 p.m. Room 108A

Moderator: J. Krause, Forensic Analytical Consulting Services. **Presenter:** Hung Cheung, Cogency Environmental, LLC.

L8: Inside the Building Environment: **Fungal Guidelines and Discoveries** 2:15 p.m. - 3:15 p.m. Room 108B

Moderator: Penny Pietrowski, US Army Materiel Command.

2:15 p.m. - 2:35 p.m.

Guidelines for IAQ to Include Spore Traps, Dust Fungi Culture and Airborne **Particles** 

Richard Billups, Air Allergen Mold Testing. 2:35 p.m. - 2:55 p.m.

Aspergillus Versicolor Clade and Their **Growing Significance as Emerging Pathogens** 

Zeljko Jurjevic, EMSL Analytical, Inc. 2:55 p.m. - 3:15 p.m.

Mold Contaminated Buildings: Advances in Metagenomic Sequencing Jason Dobranic, EMSL Analytical, Inc.

L9: Understanding Exposure in Talc-Attributed Disease

2:15 p.m. - 3:15 p.m. Room 109

Moderator & Presenter: Nadia Moore, Veritox, Inc. Presenters: Bryan Hardin, Karin Hayman, Veritox, Inc.

L10: Interesting OSHA Health Cases,

2:15 p.m. - 3:15 p.m. Room 103

Moderator: Anthony Towey, US DOL/ OSHA. Presenters: Zahinira Pietri, USDOL/ OSHA Peoria Area Office; Derek Rusin, USDOL/ OSHA Houston North Area Office; Edward Parsons, US DOL/OSHA.

L11: Bolivian Mineral Mining and Milling: Characterizing Dust

2:15 p.m. - 3:15 p.m. Room 117

Moderator: Ben Heckman, RHP Risk Management Inc. Presenters: Fred Boelter, Jacob Persky, RHP Risk Management Inc.; Drew Van Orden, R.J. Lee Group.

L13: Mock Trial: Use of Expert IH Testimony in a Wrongful Termination Case, Part 2

2:15 p.m. - 3:15 p.m. Room 119

Moderator: William Collier, UC Merced. Presenters: Samuel Celly, Celly Services, Inc.; Dan Napier, Dan Napier & Associates — DNA Industrial Hygiene; Steven Sherman, Self-employed.

L14: NIOSH Research on Reducing Welding Fume Exposures in Electric **Power Generation** 

2:15 p.m. - 3:15 p.m.

**Room 116** 

Moderator: Darrell Dechant, Keene State College. **Presenters:** Arlen Siert, Xcel Energy; Michael Keane, NIOSH.

L15: Days of Our Lives: Practical Applications for the IH Laboratory and their Customers. Part 4: A Stranger in Town: HSE Role in **Protecting Worker Encounters with Illicit Druas** 

2:15 p.m. - 3:15 p.m.

Room 104

Presenters: Roberta Smith, Colorado Department of Public Health & Environment; Donna Heidel, Bureau Veritas North America.



## Closing General Session

Total Exposure Health: A Revolutionary Way to Think of Exposure and Primary Prevention

3:30 p.m. - 4:30 p.m., Ballroom AB

Presenter: Col.(ret.) Kirk Phillips, LJB Inc.

Total Exposure Health (TEH) is a bold solution to capture workplace, environmental, and lifestyle exposures to the individual using advances in science, technology, and informatics to help reduce shortand long-term health risks to individuals and to provide clinically relevant information individuals and their providers to prevent disease, enhance human performance. By educating individuals about their exposure profile, TEH will enable individuals and families to make healthy lifestyle choices tailored to their exposure profile as a minimum and also to their adverse genetic proclivity when known. TEH is a holistic approach to integrating science, technology, informatics, and medicine into interconnected preventive health systems. This emphasis on "Personalized Healthcare" moves industrial hygienists from worker health to exposure sciences for diverse populations capitalizing on the rapidly accelerating advances in sensor technology, genomic sciences, health information technology, and precision medicine to enable new knowledge and understanding to protect and prevent disease, encourage patient/provider interaction, and improve population health and well-being.

# Ftealth, Safety & the Pursuit of SAVINGS!

## at the ACGIH® Pavilion at AlHCe EXP 20181

## 20% OFF on Select Cash & Carry Publications! Plus...10% OFF other publications!

AlHce EXP 2018 will be held in Philadelphia, Pennsylvania – one of America's most historic cities. Visit the ACGIH® Pavilion (Booth 1839) while you are in Philly and receive huge savings. You'll find new 2018 editions of the *TLVs® and BEIs® book*, *Guide to Occupational Exposure Values*, and the *TLVs® and BEIs® with the 7th Edition Documentation CD-ROM*. These publications, along with select other ACGIH® *Signature Publications* will be available at a 20% Cash and Carry discount while supplies last.\* Members receive an additional 20% off of the Cash and Carry discount price.\*\*

Other publications will be offered at a special 10% Conference discount. And our Clearance Publications will be offered at drastic discounts. Come early for the best selection!

We will also have information on the unbeatable value of ACGIH® Membership, Upcoming ACGIH® Educational Events, the Sustainable TLV®/BEI® Program, and the ACGIH® General Fund.

- \* To receive the 20% discount, payment is required at the time of purchase. Books must be taken with you shipping is not available.
- \*\* Membership will be verified at the checkout counter. You may sign up for membership on site and receive the Member Cash and Carry discount. Discounts may not be combined with any other offer, and are only available during the Conference.



Visit us at Booth 1839 to Get Your Copies!

## **EXPO HOURS:**

Monday, May 21 9:00 a.m. – 5:30 p.m.

Tuesday, May 22 9:00 a.m. – 3:00 p.m.

Wednesday, May 23 8:00 a.m. – 1:30 p.m.



## **Poster Sessions**

For a full list of co-authors and detailed abstracts, please see the AIHce EXP 2018 website or mobile app.

All posters are on display in The Hub, Exhibit Hall B.

## Poster Session 1

## Monday, May 21 **Author Attend Time** 11:15 a.m. - 12:15 p.m.

Area: Professional Posters Zone

Topics: Aerosols, Construction, Indoor Environmental Quality/Indoor Air Quality

- 198 Asbestos Fiber Transport from Facilities into the Community. Presenter: Anders Abelmann, Cardno ChemRisk.
- 203 Respirator Use and Exposures During Road Building and Repair. Presenter: Brent Doney, NIOSH/CDC, Respiratory Health Division.
- 206 Exposures among Workers at an Indium Tin Oxide Production Facility. Presenter: Brie Hawley, NIOSH/CDC.
- 209 Dust Exposure while Using a Woodworking Mobile Dust Collector. Presenter: Donna Vosburgh, University of Wisconsin-Whitewater.
- 246 Exposures during Use of a Powered Abrasive Saw to Cut Asbestos-Containing Cement Pipe. Presenter: Joshua Maskrey, Cardno ChemRisk.
- 277 Solving an Indoor Air Quality Concern: Sampling, Analyses, and IH Expertise. Presenter: Amanda Scott, The Children's Hospital of Philadelphia.
- 292 Take-home Exposure to Asbestos from Handling Contaminated Clothing. Presenter: Jason Lotter, Cardo ChemRisk.
- 332 Efficiencies of Gloves, Barrier Creams, and Skin Care Products against Metalworking Fluids. Presenter: Shih-Wei Tsai, National Taiwan University, Taiwan.
- 446 Exposure to Residual Polycyclic Aromatic Hydrocarbons (PAH) in Firefighter Vehicles. Presenter: Jooyeon Hwang, Western Kentucky University.
- 476 Chemical Markers of Occupational Exposure to Wood Dust. Presenter: Mariella Carrieri, Department of Cardiologic, Thoracic and Vascular Sciences, University of Padova.
- 481 Respirator Service Life Estimation Model for Spraying Pesticides. Presenter: Michael Krause, Veritox.
- 499 Overexposure to Flour Dust in Small to Mid-size Bakeries. Presenter: Debra Corbin, SAIF Corporation.

- 514 Engineering Controls for Crystalline Silica Exposures During Concrete Grinding. Presenter: Edgar Reed, Liberty Mutual Insurance Company.
- 548 Hearing Impairment among Construction Workers: Occupational Hearing Loss Dataset. Presenter: Rebecca Katz, The Center to Protect Worker's Rights.
- 635 Assessment of Diesel Exhaust Exposure in Municipal Fire Halls in Ontario. Presenter: Sheila Kalenge, Occupational Cancer Research Centre, Cancer Care Ontario.
- 657 Remotely Piloted Aircraft Ground Control Station IAQ Issues. Presenter: David Wertz, U.S. Air Force.
- 671 Evaluation of Indoor Air Quality in Four Ohio Nursing Home Facilities. Presenter: Hope Tebbe, University of Toledo.
- 724 Respirable Silica Associated with Drywall Installation and Finishing Operations. Presenter: Jan Koehn, Jan Koehn, MS. CIH. Inc.
- 760 Air Sampling to Characterize Airborne Theatrical Fog. Presenter: Chris Wesley, Colden Corporation.
- 762 Facial Hair and Respirator Fit. Presenter: Evan Floyd, University of Oklahoma.

## Student Posters

## Monday, May 21 **Author Attend Time**

3:15 p.m. - 4:15 p.m.

Area: Student Posters Zone For authors and full details, please check the AIHce FXP website.

## Poster Session 2

## Tuesday, May 22 **Author Attend Time**

Area: Professional Posters Zone

11:15 a.m. - 12:15 p.m.

Limits

Topics: Exposure Assessment Strategies, Sampling and Analysis, Exposure Banding/Occupational Exposure

- 169 Exposures Related to Riding All-terrain Vehicles (ATVs) with Asbestos-containing Brakes. Presenter: Jennifer Ellis, Ramboll Environ, Inc.
- 174 Asbestos Exposures with the Manipulation of Molded Phenolic Products. Presenter: Abigail McEwen, Cardno ChemRisk.

- 281 Exposure to Nanomaterials Released During the Life-cycle of Nanocomposites. Presenter: Cha-Chen Fung, Cardno ChemRisk.
- 371 Variability of Concentration between Sorbent Tubes, Sampling and Analytical Methods, and Extraction Conditions. Presenter: Jhy-Charm Soo, NIOSH/CDC.
- 386 Using a Silicone Wristband as a Personal Sampler. Presenter: Yu-Chen Lee, National Taiwan University.
- 439 Exposure Assessment Aboard the AC-130J Gunship, Presenter: Christin Grabinski, U.S. Air Force, School of Aerospace Medicine.
- 473 Exposure Assessment of 1-Bromopropane Workers and Recommended Exposure Limit in Taiwan. Presenter: Nai Yun Cheng, Institute of Labor, Occupational Safety and Health, Ministry of Labor, Taiwan.
- 505 Personal Sampling Instruments for Semivolatile Organic Chemicals. Presenter: Yoshihiro Suzuki. Sibata Scientific Technology Ltd., Japan.
- 508 Changes in OEL Values for Chemicals in the Working Environment in Poland. Presenter: Sławomir Michał Czerczak, Nofer Institute of Occupational Medicine. Poland.
- 525 Beryllium Air and Swipe Sampling. Presenter: Gina McComb, U.S. Air Force.
- 558 Exposure Assessment for Naturally Generated Diacetyl in Food Products. Presenter: Shannon Gaffney, Cardno ChemRisk.
- 571 Near-source Community Exposure to Asbestos: A Review. Presenter: Melanie Nembhard, Cardno ChemRisk,
- 598 Procedures to Determine Parabens, Triclosan and Bisphenol A in Personal Care Products. Presenter: Yu-Chen Liu, National Taiwan University, Taiwan.
- 619 Protecting Against the Unknown: Safe Exposures to Low-Data Chemicals. Presenter: Jerald Ovesen, University of Cincinnati.
- 632 Unmanned Aerial Vehicles Use in Reducing Hazards during Emergency Response. Presenter: Michael Valigosky, University of Toledo.
- 636 Asbestos Monitoring of Gasket Replacement on All-terrain Vehicles (ATVs). Presenter: Jennifer Ellis, Ramboll Environ, Inc.



- 653 Exposure to HF from a Thermal Runaway Event in an Airplane Cockpit. Presenter: Claire McMenamy, Cardno ChemRisk.
- 670 Workplace Environmental Exposure Levels (WEELs) for Refrigerants Registered with ASHRAE. Presenter: Ann Parker, University of Cincinnati.
- 679 Enhanced Darkfield Microscopy and Hyperspectral Mapping for Analysis of Nanoparticulates. Presenter: Adrienne Eastlake, NIOSH/CDC.
- 711 Exposure to the Cosmetic Preservative Kathon CG: The IH SkinPerm Model. Presenter: Neva Joacobs, Cardno
- 713 Historical Exposure Matrix Reconstruction: Shipyard vs. Non-shipyard Insulators. Presenter: Alexander Riordan, Cardno ChemRisk.
- 720 Human Ambient Asbestos Exposure Potential: A Review. Presenter: Dana Hollins, Cardno ChemRisk.

## Poster Session 3

Wednesday, May 23 **Author Attend Time** 11:15 a.m. - 1:15 p.m.

Area: Professional Posters Zone Topics: Healthcare, Occupational and Environmental Epidemiology, Regulation & Legislation

- 156 Perceptions of Workers Regarding Noise in Meat Processing Facilities. Presenter: Chun-Yip Hon, Ryerson University.
- 208 Safety Solution for Laboratory Facilities. Presenter: Lawrence Meisenzahl, Vortex Hoods, LLC.
- 314 Diesel Engine Exhaust and **Cancer: Current State of Population** Risk. Presenter: Frank Pagone, RHP Risk Management, Inc.
- 337 Assessment of Risk for Safe Handling of Hazardous Drugs. Presenter: Emma Hooks, Barnes-Jewish Hospital.
- 340 Health Hazard Evaluation of Diesel Exhaust at Two Fire Stations. Presenter: Jessica Li, NIOSH/CDC.
- 363 Translation Inconsistencies in Published EHS Regulations Worldwide. Presenter: Douglas Strock, Global Language Translations and Consulting, Inc.

- 370 Ethylene Oxide and Human Cancer Risk: Literature Review and Meta-Analysis. Presenter: Gary Marsh, Cardno ChemRisk.
- 382 Exposure to VOCs in Electrosurgical Smoke Resulting from Surgeries. Presenter: Nai Yun Cheng, Institute of Labor, Occupational Safety and Health, Ministry of Labor, Taiwan.
- 433 Efforts to Reduce Environmental Surface Contamination in Healthcare Settings. Presenter: Shari Solomon, Clean-Health Environmental, LLC.
- 460 Risk Assessment of Residential Exposure to Radiation from Coal Ash. Presenter: Neva, Jacobs, Cardno Chem-
- 527 Exposure Monitoring in a Human Anatomic Pathology (HAP) Laboratory. Presenter: Andrew Wagner, U.S. Air Force.
- 579 Personal Exposure Assessment Results from Washington State Department of Labor and Industries. Presenter: Todd Schoonover, Washington State Department of Labor & Industries.
- 604 Preventive Medicine Professionals: Ways to Educate Our Medical Providers on Exposure Concerns. Presenter: Andrew Wagner, U.S. Air Force.
- 637 Army Isoflurane Occupational Exposure Limit: 2 ppm Ceiling. Presenter: Shih-houng Young, U.S. Army Public Health Center.
- 649 Back Compressive Forces During Asymmetrical and Symmetrical Lifting Activities. Presenter: John Pentikis, U.S. Army Public Health Center.
- 652 Recommendations from the FACE Reports on Worker Fatalities in Confined Spaces. Presenter: Kwangseog Ahn, University of Wisconsin-Whitewater.
- 673 Different Definitions of Peak **Exposures in Epidemiological Studies** Lead to Different Conclusions. Presenter: Evan Anderson, Ramboll Environ, Inc.
- 675 Assessment of Hazardous Drug Exposures at Army Medical Facilities. Presenter: Paul Lilley, U.S. Army Public Health Center.
- 681 The Development and Dissemination of NIOSH Pocket Guide Mobile App. Presenter: Sarah Unthank, NIOSH/CDC.
- 763 Legionella Water Testing: Comparing 1 Liter to 250 ml Sample Volume. Presenter: Shaiasia Itwaru-Womack. Forensic Analytical Consulting Services.

- 764 The Interaction of CO2 Exposures for Select Brewery Job Tasks. Presenter: David Huizen, Grand Valley State University.
- 765 H&S Knowledge, Skills and Work Practices of Vocational College Graduates. Presenter: Anca Bejan, HealthPartners Institute.
- 866 Virulent strains of Legionella in a Public Water Distribution System. Presenter: Jazmin Ricks, Cogency Environmental.
- 869 Establishing Community Prevalence by investigating Legionella in the Public Water Distribution System. Presenter: Jazmin Ricks, Cogency Environmental.

ADVERTISERS' INDEX		
ADVERTISER	PAGE	
ABIH	56	
ACGIH	47	
AIHA	26	
Alliant	15	
ALS	3	
Casella	27	
DuPont	16	
EM Lab P&K	46	
Euro Safety & Health	15	
Gasmet Technologies	59	
Industrial Scientific	39	
Nanozen	15	
PureFlo (Gentex)	Inside Back Cover	
RJ Lee Group	62	
Sibata USA	55	
SiteHawk	63	
SKC	Back Cover	
TSI Incorporated	36 & 37	
US Navy	4	
xRapid Environmental	Inside Front Cover	

## **Expo Hours** Expo Floor Plan Monday, May 21 9:00 a.m. - 5:30 p.m. As of April 6, 2018 Tuesday, May 22 9:00 a.m. - 3:00 p.m. **Exhibitor Exhibitor Service Desk** Lounge Wednesday, May 23 8:00 a.m. - 1:30 p.m. Learning Pavilion 1 1039 1839 **ACGIH** AIHA Hamilton Club To/From The Hub Lounge Learning 1415 Pavilion 2 1307 Main Entrance

## **Expo Highlights**

## **Expo Hours**

## Monday, May 21 - 9:00 a.m. - 5:30 p.m.

Expo Only Non-Compete Hours:

9:30 a.m. - 10:00 a.m., 12:15 p.m. - 1:45 p.m., and 4:00 p.m. - 5:30 p.m.

## Tuesday, May 22 - 9:00 a.m. - 3:00 p.m.

Expo Only Non-Compete Hours:

9:00 a.m. - 10:00 am and 12:15 p.m. - 1:45 p.m.

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

Expo Only Non-Compete Hours:

8:00 a.m. - 9:00 a.m. and 11:15 a.m. - 12:45 p.m

## Refuel and Recharge Snack Breaks

## **Exhibit Hall A, PCC**

AIHce EXP is thrilled to introduce these great networking events on the Expo floor. Mix, mingle, network, and grab some snacks as you meet exhibitors, visit with colleagues, and learn about new products and services from AIHA and ACGIH. Your conference badge is required to attend these events.

### Monday, 12:00 p.m. - 2:00 p.m.

Afternoon Healthy Break - Healthy snacks will help boost your energy for more education, networking, and the evening's events!

### Monday, 4:30 p.m. - 5:30 p.m.

Expo Hall Networking Reception - This annual networking tradition gets the night started with some tasty nibbles and a free drink (ticket included in badge materials).

## Tuesday, 9:00 a.m. - 10:00 a.m.

Coffee and Pastries - Start your morning with some coffee and a bagel or pastry. This a great time to chat with exhibitors about products and services that can help improve your workplace.

## Tuesday, 9:00 a.m. - 10:00 a.m.

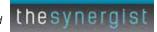
Barista Bar presented by Catalyst - AIHA's new Catalyst Community launches at AIHce EXP! Visit Booth



1039 to walk through the system, sign up, and start posting - and grab an espresso to jump start your Tuesday EXPerience! Exclusively in the AIHA Booth!

## Tuesday, 12:00 p.m. - 2:00 p.m.

Hank's Ice Cream Float Bar presented by The Syneraist - Hanks' Gourmet



Beverages is a Philly family business. Enjoy a float featuring one of their 7 famous flavors!

### Wednesday, 11:30 a.m. - 1:30 p.m.

Build Your Own Trail Mix - Fuel your brain for a strong finish to AlHce EXP 2018. What a perfect grab-and-go for your train, drive, or flight home!

## AIHA Booth 1039 Happenings

## **Keynote Book Signing**

Monday, May 21 - 12:45 p.m. - 1:15 p.m.

Come meet our keynote speaker, Rich Karlgaard, and have your book signed!

### Learn more about The Hamilton Club

Are you interested in learning about how a strategic alliance between AIHA and your organization could result in a more targeted outreach to our members and event attendees? Stop by the AIHA booth for more information!



## Welcome to the Catalyst Community!

AIHA's new online community, The Catalyst, debuts at AIHce EXP 2018. Stop by the booth for a demonstration, sign up, and begin posting! On Tuesday, May 22 from 9:00 a.m. - 10:00 a.m., the Catalyst will offer a Barista Bar – grab an espresso to jump start your morning!

Recharge and Relax!

Give your devices a recharge at the AIHA Booth 1039.

## **Pathway Passport**

Have your Pathway Passport stamped by participating exhibitors? Drop your completed entry in the box in the AIHA Booth (1039), by noon on Wednesday, May 23. Winning names will be drawn at 12:30 p.m. The Grand Prize is a trip to AIHce EXP 2019 in Minneapolis, MN. Second Prize is \$1,000.

## **New Exhibitor Pavilion**

## Booths 1509-1533 and 1608-1632

Be sure to stop by to visit these first time AIHce EXP exhibitors who have new and exciting products and services to share! The aisles around these booths are carpeted in red to make them even easier to find!

## Learning Pavilions

## Located behind the AIHA booth (Learning Pavilion 1) and in the 2000 aisle, next to the University Pavilion (Learning Pavilion 2)

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.

## Crack the code for prizes by playing **CODENAME: IH!**

Join us for a lively scavenger hunt to enter drawings for our many prizes. Show off your sleuthing skills locating and scanning QR codes around the convention center. More details may be found in the AIHce EXP 2018 mobile app.

## **Pathway Passport Sponsors**



Have your Pathway Passport stamped by participating exhibitors, and drop your completed entry in the box in the AIHA Booth (Booth 1039) by noon on Wednesday, May 23. Winning names will be drawn at 12:30 p.m. The Grand Prize is a round trip and registration for AIHce EXP 2019 in Minneapolis, Minnesota. Second Prize is \$1,000.

Chemtrec CHEMTREC	Booth 1555
Colden Corporation  Conporation  Conspational Health, Safety & Environmental Consultants	Booth 1438
Dakota Software	Booth 1931
EMLab P&K - TEST AMERICA  EMLab P&K  A TestAmerica Company	Booth 1304
Essilor Prescription Safety Eyewear PRESCRIPTION SAFETY EYEWEAR	Booth 1840
Gas Clip Technologies, Inc.	Booth 1214
Industrial Scientific Corporation  INDUSTRIAL SCIENTIFIC	Booth 1615
Kinetics Noise Control  KINETICS Noise Control	Booth 1810

Magid Safetyat work*	Booth 1443
MilliporeSigma Sigma	Booth 1830
RAECO Rents	Booth 1210
S.E. International, Inc.	Booth 1232
Scientific Analytical Institute, Inc.	Booth 1314
SiteHawk SiteHawk	Booth 1627
Uniphos Envirotronic Inc.	Booth 1211

## Thanks to Our Sponsors

















**Hamilton Club Partners** 

**PLATINUM** 





















**SILVER** 















## **Exhibitors by Aisle**

As of March 23, 2018

1000
Taylor & Francis Inc 1002
Bioscience International, Inc1003
Pulpstream1004
1Source Safety and
Health, Inc1005
Global Language Translations
and Consulting, Inc 1006
MAXAIR Systems1008
RPB Safety LLC1009
National Library of
Medicine1010
SAP1012
NIOSH
Entech Instruments, Inc 1015 Chemdoc1017
Morphix Technologies1021
Advanced Chemical
Testing1023
American Board of
Industrial Hygiene1026
ORAU1027
SPAN Safety Workshops 1028
All American Restoration 1029
SHOEBOX Audiometry
a division of Clearwater Clinical1030
Worksite Medical®1031
SEER Technology1032
MPSA,
a division of Airline1033
AIHA1039
1100
Mycometer, Inc1102 Bureau Veritas/Maxxam1103
Wavecontrol Inc1104
Particles Plus1109
GASTEC Corporation1114
Aerobiology Laboratory
Associates, Inc1115
Sper Scientific1116
Industrial Hygiene News/
Rimbach Publishing Inc1117
INDOOR Biotechnologies, Inc1119
Lakeland Industries 1120
Pharmaceutical Containment
Technologies1121
SafeBridge
Consultants, Inc1123
Fike Analytical
Technologies, LLC1126 EHS Solutions LLC1127
US Navy Recruiting
Command1128
AIHA Laboratory Accreditation
Programs, LLĆ1129

Working Concepts, Inc	113	80
Occupational Health & Safety	113	1
Miller Electric Mfg Co		
Markes International, Inc.		
NRCC		
T K Group, Inc	115	5
Grace Lone Worker		
Affygility Solutions	116	1
1200		
WorkCare, Inc		
Verisk 3E		
IDEXX		
Sibata USA Inc		
SW Safety Solutions Inc <sup>*</sup> RAECO Rents		
Uniphos Envirotronic Inc		
Gas Clip Technologies, Inc.		
Armor Guys Inc		
Met One Instruments, Inc.		
San Air Tachnalagias		
Laboratory, Inc	122	20
Zefon International, Inc´		
Cority		
AMETEK MOCON		
Tiger-Vac Inc. (USA)		
The Ergonomics Center´ Workrite Uniform	1 Z Z	8.
Company	122	29
Schneider Laboratories Global Inc		
S.E. International, Inc´	123	22
PathCon Laboratories´		
lon Science Inc		
Mesa Laboratories Inc´		
Airthinx, Inc	124	5
Sy-Klone International´		
Bruker Detection Corporation		
Portagas by Praxair		
	ΙZi	00
1300	100	
Nanozen´ EMLab P&K +	ΙЗL	JΖ
TestAmerica	130	14
SKC Inc		
Air Systems International.		
Scientific Analytical		
Institute, Inc.		
Honeywell		
Bowen EHS		
QuanTEM Laboratories	132	. /
Compliance Management International	132	8
Alliant Insurance		
Services, Inc	133	80

RKI Instruments	
Kitagawa America, LLC	
Examinetics, Inc	1338
GfG Instrumentation, Inc	1339
Innolytics, LLC	1342
Netronix, Inc	1344
AirClean Systems	1352
xRapid Environment	
Indoor Air Quality Association (IAQA)	1359
1400	
3M1409,	1415
Assay Technology, Inc./	
AT Labs/MNR Services	1426
Kanomax USA/ AccuTec-IHS	
Acculec-IHS	1427
Labconco Corporation	1430
Pine	
OHD, LLLP	
Colden Corporation	
RJ Lee Group, Inc	1439
UL EHS Sustainability	1440
DataChem Software, Inc	1441
Magid	1443
PerkinElmer	
Humantech	
CDC NCEH/ATSDR	1450
ISN	
1511	1430
1500	
	1509
EnviroThinx	
EnviroThinx	
EnviroThinxAdvanced Test Equipment Rentals	1515
EnviroThinxAdvanced Test Equipment Rentals Tyndale Company	1515 1517
EnviroThinx	1515 1517 1519
EnviroThinx	1515 1517 1519 1521
EnviroThinx	1515 1517 1519 1521 1523
EnviroThinx	1515 1517 1519 1521 1523 1523
EnviroThinx	1515 1517 1519 1521 1523 1523
EnviroThinx	1515 1517 1519 1521 1523 1526 1527
EnviroThinx	1515 1517 1519 1521 1523 1526 1527 1528
EnviroThinx	1515 1517 1519 1521 1523 1523 1528 1529 1530
EnviroThinx	1515 1517 1519 1521 1523 1526 1527 1528 1529 1530 1531
EnviroThinx	1515 1517 1519 1521 1523 1526 1527 1528 1529 1530 1531
EnviroThinx	1515 1517 1519 1521 1523 1526 1527 1530 1531 1533
EnviroThinx	1515 1517 1519 1521 1523 1526 1527 1528 1530 1531 1533
EnviroThinx	1515 1517 1519 1521 1523 1526 1527 1528 1530 1531 1533
EnviroThinx	1515 1517 1519 1521 1523 1526 1528 1530 1531 1533 1538
EnviroThinx	1515 1517 1519 1521 1523 1526 1527 1538 1533 1538 1538 1539
EnviroThinx	1515 1517 1519 1521 1523 1526 1527 1528 1531 1533 1538 1539 1541 1542
EnviroThinx	1515 1517 1519 1521 1523 1526 1527 1528 1531 1533 1538 1539 1541 1542
EnviroThinx	1515 1517 1519 1521 1523 1526 1527 1528 1531 1533 1538 1538 1534 1541 1542
EnviroThinx	1515 1517 1519 1521 1523 1526 1527 1528 1531 1533 1538 1538 1534 1541 1542 1544

CleanSpace1552
U.S. Micro-Solutions, Inc 1553
Sustainable Workplace
Alliance1554
CHEMTREC1555
C la starras auto
International1556
Materion Brush Inc1557
Marlin1559
ORCHSE Strategies, LLC 1561
Global Glove & Safety
Mfg., Inc1608
3,
1600
SGS Galson1609
Special Pathogens
Laboratory1614
Industrial Scientific
Corporation1615
SAFER Systems1616
Kem Medical
Products Corp1618
Faztek, LLC1620
International Asbestos
Testing Laboratories
(iATL)1622
Breezer Holdings1626
SiteHawk1627
HC Info1628
Environmental Safety
Technologies1630
Casella CEL Inc1631
Sentinel Health International1632
Center for Toxicology
and Environmental Health, LLC1638
ESIS Health, Safety and Envi-
ronmental1639
DEKRA1641
Columbia Southern
University1643
HCI (Health
Conservation, Inc.)1645
L3 Narda Safety Test
Solutions1647
CORE Occupational
Medicine
Intelex Technologies Inc 1653
Workplace Material
Handling & Safety
Medtronic Zephyr Performance Systems 1658
National Safety Council 1659
Risk and Safety Solutions . 1660
1700
ALS Environmental 1707
ILC Dover1711
120 20101

TSI Inc. .....1715



Open Range
Software LLC1726
RightAnswer.com1728
Nextteq, LLC1729
Golder Associates Inc 1730
SDSpro1738
Board of Certified Safety Professionals (BCSP)1739
Industrial Safety & Hygiene
News1740
Liberty Mutual Insurance .1741
Ohio Lumex Company1742
Bullard1744
IES Engineers1752
AllOne Health1753
Alliance of Hazardous
Materials Professionals1754
The El Group1759
1800
Chemwatch
Americas, LLC1803
DuPont Protection
Solutions1806
Sensidyne, LP1809
Kinetics Noise Control 1810

15
21
29
30
32
33
38
39
40
52
E 2
53 54
54
55
58
02
03
04
09

VelocityEHS1913
Fiberlock
Technologies, Inc 1915
A.P. Buck Inc1928
Heuresis Corporation 1930
Dakota Software1931
Health & Safety Institute 1932
Restek Corp1933
VICI Metronics, Inc
Hazard Technology1953
DENTEC SAFETY
SPECIALISTS1955
G. 200.2.0.0
2000
Western Kentucky
University2002
University of Alabama at
Birmingham -
Deep South ERC2003
Johns Hopkins Bloomberg
School of Public Health 2004
University of Michigan2005

University of Washington -Environmental & Occupational Health

Sciences......2007



Sibata is ready to answer your needs!!!

**Mask Fit Tester** Complies to OSHA & ANSI Protocols

Visit SIBATA at Booth 1208:

Sibata legacy continues today a family business to offer worldwide solutions. Sibata will celebrate 100 years in 2020, as a "True Pioneer Company". Our mission is to protect Industrial Safety and the Environment by developing and promoting solutions.

Sampling Pump & **Sorbent Tubes** 





Sibata products are available in USA at;

NEW STAR Environmental Inc. Phone: 770-509-7484 or

770-998-0296

www.NewStarEnvironmental.com

**USA Dealers Contact**: SIBATA USA Inc. Phone: 770-883-2697 sales@sibatausa.com www.sibatausa.com

Outside USA Contact: SIBATA Scientific Technology Ltd. Phone: +81-48-933-1582 overseas@sibata.co.jp www.sibata.co.jp/english/

## **Exhibitors by Alphabet**

As of March 23, 2018

## 1Source Safety and Health, Inc......1005

140 S Village Ave., Suite 130 Exton, PA 19341 www.1SSH.com 610-524-5525 x14

3M......1409, 1415

Bldg. 235-2W-70 St. Paul. MN 55144 www.3M.com/workersafetv 800-328-1667 3mppesafety@mmm.com



7101 Presidents Drive, Ste. 110 Orlando, FL 32809 www.apbuck.com 407-851-8602 apbuck@apbuck.com

## ABET......2008

415 N. Charles Street Baltimore, MD 21201 www.abet.org 410-347-7700 comms@abet.org



1330 Kemper Meadow Drive Cincinnati, OH 45240-4148 www.acgih.org 513-742-2020 mail@acgih.org

## **Advanced Chemical Testing. 1023**

101-B Glades Rd. Boca Raton, FL 33432 www.acsbadge.com 561-338-3116

## **Advanced Test Equipment** Rentals.....1515

10401 Roselle Street San Diego, CA 92121 www.atecorp.com 888-488-2832 rentals@atecorp.com

## **Aerobiology Laboratory** Associates, Inc......1115

43760 Trade Center Place, Suite 100 Dulles, VA 20166 www.aerobiology.net 877-648-9150 info@aerobiology.net

## Affygility Solutions.....1161

390 Interlocken Crescent, Suite 350 Broomfield, CO 80021 www.affygility.com 303-884-3028 dcalhoun@affygility.com

## AIHA® ......1039

3141 Fairview Park Drive, Ste. 777 Falls Church, VA 22042 www.aiha.org 703-849-8888 infonet@aiha.org

## **AIHA Laboratory Accreditation** Programs, LLC.....1129

3141 Fairview Park Drive, Ste. 777 Falls Church, VA 22042 www.aihaaccreditedlabs.org 703-846-0789 infonet@aiha.org

## AIHA Mentoring Program.....2012

3141 Fairview Park Drive, Suite 777 Falls Church, VA 22042 www.aiha.org/get-involved/Accolades andAwardPrograms/Pages/ Become-a-Mentor.aspx mike\_finnamore@baxter.com



For company descriptions visit www.aihce2018.org/exhibitordirectory or download the AIHce EXP 2018 Mobile App

## **BIH** Recognition for Your Great Achievements...



Lifetime Achievement Award



John Mulhausen, PhD, CIH, CSP G. Scott Dotson, PhD, 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 Monday, May 21st from 11:15 AM to 12:15 PM at the AlHce meeting in Philadelphia, PA where we will celebrate and thank these remarkable professionals, and be sure to visit the ABIH booth at the AIHce



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.













Air Systems International 1308	Air	Systems	International	1308
--------------------------------	-----	---------	---------------	------

829 Juniper Crescent Chesapeake, VA 23320 www.airsystems.com 800-866-8100 sales@airsystems.com

## AirClean Systems......1352

2179 E. Lvon Station Rd. Creedmoor, NC 27522 919-255-3220

## Airthinx, Inc......1245

200 Spectrum Center Drive Suite 300 Irvine. IL 92618 www.airthinx.io support@airthinx.io

## All American Restoration..... 1029

1820 State Highway 35 North South Amboy, NJ 08879 www.allamericanrestoration.com 732-792-9612 carrie@allamericanrestoration.com

## **Alliance of Hazardous Materials** Professionals ..... 1754

337 Little Quarry Road Gaithersburg, MD 20878 www.ahmpnet.org 301-208-0000 info@ahmpnet.org

## **Alliant Insurance Services,** Inc.....1330

4530 Walney Rd. Suite 200 Chantilly, VA 20151 www.aiha.alliant.com 703-547-6287 aiha-questions@alliant.com

### AllOne Health......1753

100 N. Pennsylvania Ave Wilkes-Barre, PA 18701 www.allonehealth.com 877-720-7770 inquiry@allonehealth.com

## ALS Environmental......1707

960 West LeVoy Drive Salt Lake City. UT 84123 www.alsglobal.com 800-356-9135 maleah.forbes@alsglobal.com

## **American Board of Industrial** Hygiene.....1026

6005 W St Joe Hwy Ste 300 Lansing, MI 48917 www.abih.org 517-321-2638 abih@abih.org

## American Heart Association... 2016

7272 Greenville Ave. Dallas, TX 75231 www.heart.org/workforcetraining 877-242-4277 info@heart.org

## AMETEK Arizona Instrument.. 1526

3375 N Delaware St Chandler, AZ 85225 www.azic.com/aihce 601-783-8825 salesall.azic@ametek.com

## AMETEK MOCON......1226

19661 US Highway 36 PO Box 649 Lyons, CO 80540 www.baseline-mocon.com 303-823-6661 info.baseline@ametek.com

## Analytics Corporation......1909

10329 Stony Run Lane Ashland, VA 23005 www.analyticscorp.com 804-365-3000 jspink@analyticscorp.com

## Armor Guys Inc..... 1215

10990 Wilshire Blvd. Suite 250 Los Angeles, CA 90024 www.armorguys.com 310-504-1380 contact@armorguys.com

## Assay Technology, Inc./AT Labs/ MNR Services......1426

1382 Stealth St Livermore, CA 94551 www.assaytech.com 800-833-1258 custservice@assaytech.com

## Bio-Rad Laboratories ...... 1531

2000 Alfred Nobel Dr. NEW Hercules, CA 94547 www.bio-rad.com/en-us/food-science 510-741-1000 loreta vargas@bio-rad.com

## Bioscience International, Inc...1003

11333 Woodalen Drive Rockville, MD 20852 www.biosci-intl.com 301-231-7400 bioinfo@biosci-intl.com

## **Board of Certified Safety** Professionals (BCSP).....1739

8645 Guion Road Indianapolis, IN 46268 www.bcsp.org 317-593-4800 info@bcsp.org

## Bowen EHS ......1326

141 Providence Road Suite 200 Chapel Hill, NC 27514 www.bowenehs.com 866-264-5852 support@bowenlearn.com

## Breezer Holdings......1626

550 SW 12 Ave. #550 Deerfield Beach, FL 33442 www.powerbreezer.com 844-418-3706 info@powerbreezer.com

## **Bruker Detection**

40 Manning Rd Billerica, MA 01821 www.brukerdetection.com 978-663-3660 x1308 frank.thibodeau@brukerdetection.us

Corporation ...... 1253

## **BSI EHS Services and**

Solutions ...... 1853 2150 N. 1st Street Suite 450 San Jose, CA 95131 www.bsigroup.com/ehs 800-790-6236 ehs@bsigroup.com

## Bullard ..... 1744

1898 Safety Way Cynthiana, KY 41031 859-539-4544

## **Bureau Veritas/** Maxxam ...... 1103

1601 Sawgrass Corporate Parkway, Ste. 400 Fort Lauderdale, FL 33323 www.us.bureauveritas.com/home/ our-services/health\_safety\_ environmental 888-357-7020 usinfo@us.bureauveritas.com

## Casella CEL Inc......1631

415 Lawrence Bell Drive. Unit 4 Buffalo, NY 14221 www.casellasolutions.com 800-366-2966 info-us@casellasolutions.com

## CDC NCEH/ATSDR .....1457

1600 Clifton Road MS F 61 Atlanta, GA 30329 www.cdc.gov 770-488-0589

NEW

## Center for Toxicology and Environmental Health, LLC... 1638

5120 Northshore Drive North Little Rock, AR 72118 www.cteh.com 501-801-8500 webquestion@cteh.com

## CH Technologies USA, Inc.... 2033

778 Carver Ave. Westwood, NJ 07675-2605 www.chtechusa.com 201-264-6776 squilantik@chtechusa.com



Unit 2 B / Annacotty Business Park www.chemdoc.com 800-274-0380 shane.irwin@chemdoc.com





## Exhibitors by Alphabet

## For company descriptions visit www.aihce2018.org/exhibitordirectory or download the AIHce EXP 2018 Mobile App

CHEMTREC 1555	Cority1222	E.A.R., Inc1546	EnviroThinx1509
2900 Fairview Park Drive	250 Bloor Street East	PO Box 18888	1735 Market Street,
Falls Church, VA 22042-4513	9th Floor	Boulder, CO 80308	Suite A465
www.chemtrec.com	Toronto, ON M4W 1E5	www.earinc.com	Philadelphia, PA 19103
703-741-5500	Canada	303-447-2619	www.envirothinx.io
marketing@chemtrec.com	www.cority.com	help@earinc.com	215-475-5133
•	416-863-6800	·	support@envirothinx.io
Chemwatch Americas, LLC 1803		Edge Eyewear1902	
P.O. Box 737	Dakota Software1931	PO Box 845	Ergo Advantage2032
Fenton, MI 48430	1375 Euclid Ave	Layton, UT 84041	1 Matthias Place
www.chemwatch.net	Suite 500	www.edgeeyewear.com	Maryhill, ON N0B2B0
810-516-7047	Cleveland, OH 44115	866-953-7325	Canada
sales@chemwatch.net	www2.dakotasoft.com/	Tradeshows@EdgeEyewear.com	www.advantagemats.com
	I/64192/2016-02-05/69k59b		519-791-4989
CleanSpace 1552	216-455-1932	EHS Solutions LLC1127	shannon@advantagemats.com
GF, 16 - 18 Carlotta Street	svanmeenen@dakotasoft.com	1530 W Altorfer Drive	-
Artarmon, NSW 2064		Peoria, IL 61615	The Ergonomics Center1228
Australia	DataChem Software, Inc 1441	www.ehsnow.com	3701 Neil Street
www.cleanspacetechnology.com	69 Milk Street, Suite 216	309-282-9121	Raleigh, NC 27607
888-804-0038	Westborough, MA 01581	sales@ehsnow.com	www.ErgoCenter.NCSU.edu
sales@cleanspacetechnology.com	www.datachemsoftware.com		919-515-2052
	800-377-9717	The El Group, Inc1759	mcnierne@ncsu.edu
Colden Corporation1438	cliff.goede@datachemsoftware.com	2101 Gateway Centre Blvd.	
630 Sentry Parkway East		Suite 200	ESIS Health, Safety and
Suite 110	Defiant Technologies, Inc 1544	Morrisville, NC 27560	Environmental1639
Blue Bell, PA 19422	6814 Academy Parkway W NE Ste A	www.ei1.com	436 Walnut Street
www.colden.com	Albuquerque, NM 87109	800-717-3472	Philadelphia, PA 19106
215-496-9237	www.defiant-tech.com		www2.esis.com/esis-en/services-
colden@colden.com	505-999-5880	EMLab P&K + TestAmerica 1304	solutions/esis-health-safety-
	info@defiant-tech.com	1501 W. Knudsen Drive	environmental-services.aspx
Columbia Southern	DEV.D.4	Phoenix, AZ 85027	866-357-3797
University 1643	DEKRA1641	www.emlab.com	HSE@ESIS.com
21982 University Lane	10525 N. Ambassador, Suite 200	800-651-4802	Evilla Barristina Orfit
Orange Beach, AL 36561	Kansas City, MO 64153	EMLab-Information@	Essilor Prescription Safety
www.columbiasouthern.edu	www.dekra-insight.com	testamericainc.com	Eyewear 1840
251-923-4055	800-888-9596	ENOL A . I I'm I I	5205 HWY 169 N
ernie.smith@columbiasouthern.edu	bridgett.johnson@dekra.com	EMSL Analytical, Inc1821	Minneapolis, MN 55442
Compliance Management	DENTEO CAFETY	200 Route 130 North	www.essilorpse.com
Compliance Management International	DENTEC SAFETY SPECIALISTS1955	Cinnaminson, NJ 08077	800-553-9705
		www.emsl.com	Eurofins CEI1519
1350 Welsh Road	8101 Lenexa Drive	800-220-3675	
Oulle 200	Lenexa, NO 00214	info@emsl.com	730 SE Maynard Road
North Wales, PA 19454	www.dentecsafety.com	Entoch Instrumente Inc. 1015	Cary, NC 2/511
www.complianceplace.com	905-953-9946	Entech Instruments, Inc 1015	www.ceilabs.com
215-699-4800	david@dentecsafety.com	2207 Agate Court	919-481-1413
cmi@complianceplace.com	<b>DuPont Protection Solutions 1806</b>	Simi Valley, CA 93065	carly@ceilabs.com
CORE Occupational		www.entechinst.com	Examinetics, Inc1338
Medicine1652	5401 Jefferson Davis Hwy.	805-527-5939	
10059 North Reiger Rd	Richmond, VA 23234	Environmental Safety	10561 Barkley Place
Baton Rouge, LA 70809	www.personalprotection.dupont.com	Technologies1630	Suite 400 Overland Park, KS 66212
www.coreoccupational.com	800-931-3456		www.examinetics.com
886-446-2673	E Instruments International 1556	1815 Brownsboro Road	913-748-2000
Lbriner@coreoccupational.com		Louisville, KY 40206 www.estechlab.com	sales@examinetics.com
Ebiliel & coleocoupational.com	402 Middletown Blvd, Suite 216	502-893-6080	3a163 @ 6Aa11111161163.60111
	Langhorne, PA 19047	JUZ-033-0000	

www.E-Inst.com 215-750-1212 info@E-inst.com









NEW





## Fauske & Associates, LLC.... 1541

16W070 83rd Street Burr Ridge, IL 60527 www.fauske.com 630-323-8750

## Faztek, LLC......1620

6935 Lincoln Parkway Fort Wayne, IN 46804 www.faztek.net 855-270-0768 insidesales@faztek.net



## Fiberlock Technologies, Inc.. 1915

150 Dascomb Road Andover, MA 01810 www.fiberlock.com 800-342-3755 info@fiberlock.com

## Fike Analytical Technologies, LLC.....1126

9800 Reese Clarkston, MI 48348 www.fikeanalytical.com 248-241-6713 randall@reagan.com

## Flow Sciences, Inc...... 1258

www.flowsciences.com Leland, NC 28451 www.flowsciences.com 9103324841 ddamatta@flowsciences.com

## Gas Clip Technologies, Inc. .. 1214

305 W. FM 1382 Suite 540 Cedar Hill, TX 75104 www.gascliptech.com 972-775-7577 info@gascliptech.com



## Gasmet Technologies Inc..... 2030

956A, The Queensway Toronto, Ontario M8Z 1P5 Canada www.gasmet.com 866-685-0050 sales@gasmet.com



## GASTEC Corporation.....1114

8-8-6 Fukayanaka Ayase-city, Kanagawa 252-1195 Japan www.gastec.co.jp 81-467-79-3910 international@gastec.co.jp

## GfG Instrumentation, Inc...... 1339

1194 Oak Valley Drive, Suite 20 Ann Arbor, MI 48108 www.goodforgas.com 800-959-0329 info@goodforgas.com

## GHD Services, Inc.....2010

11719 Hinson Road Suite 100 Little Rock, AR 72212 www.ghd.com 501-224-1926 jennifer.cable@ghd.com

## Global Glove & Safety Mfg., Inc. ..... 1608

13915 Radium St NW Suite A Ramsey, MN 55303 www.globalglove.com 763-452-7419 sales@GlobalGlove.com

## **Global Language Translations** and Consulting, Inc. ..... 1006

4608 N. Saginaw Rd. Midland, MI 48640-2310 www.gltac.com 989-839-5804

## Golder Associates Inc......1730

9428 Baymeadows Road Suite 400 Jacksonville, FL 32256-7979 www.golder.com ebonnell@golder.com

## Grace Lone Worker.....1159

305 Bend Hill Road Fredonia, PA 16124 www.graceindustries.com 724-962-9231



NEW

## Grainger...... 1854

www.grainger.com Lake Forest, IL 60045 www.grainger.com patti.julius@grainger.com



## **GrayWolf Sensing**

Solutions ...... 1903 6 Research Drive

Shelton, CT 06484 www.graywolfsensing.com 203-402-0477

## Hazard Technology ...... 1953

P.O. Box 1920 Pasadena, MD 21123 www.hazardtechnology.com 800-852-3698

## HC Info......1628

1425 Broadway #28037 Seattle, WA 98122 www.hcinfo.com 206-494-0267 support@hcinfo.com

## **HCI** (Health Conservation, Inc.).....1645

415 Financial Ct. Rockford, IL 61107 www.hcihealth.com 815-964-4465 info@hcihealth.com

## Health & Safety Institute ...... 1932

1450 Westec Drive Eugene, OR 97402 www.hsi.com 800-447-3177 hvanoeveren@hsi.com

## HETI ......1542

54 Nonset Path Acton, MA 01720 www.hetiservices.com 978-263-4044 development@hetiservices.com

## Heuresis Corporation......1930

330 Nevada Street Newton, MA 02460 www.heuresistech.com 617-467-5526 sales@heureistech.com



## Exhibitors by Alphabet

## For company descriptions visit www.aihce2018.org/exhibitordirectory or download the AIHce EXP 2018 Mobile App

Honeywell	Industrial Hygiene News/ Rimbach Publishing Inc1117 8650 Babcock Boulevard	Ion Science Inc	L3 Narda Safety Test Solutions1647 435 Moreland Road
www.honeywellindustrialsafety.com 800-538-0363	Pittsburgh, PA 15237 www.rimbach.com 412-364-5366	www.ionscience.com 877-864-7710	Hauppauge, NY 11788 www.narda-sts.com 631-231-1700
Humantech1453	info@industrialhygienenews.com	ISN1458	nardasts@l3t.com
1161 Oak Valley Drive Ann Arbor, MI 48108 www.humantech.com	Industrial Safety & Hygiene News1740	3232 McKinney Ave. Dallas, TX 75204 www.isn.com	Labconco Corporation1430 8811 Prospect Ave.
734-663-6707	2401 W. Big Beaver, Ste 700	800-976-1303	Kansas City, MO 64132
info@humantech.com	Troy, MI 48084 www.ishn.com	customerservice@isn.com	www.labconco.com 816-333-8811
IDEXX1207	248-244-6498	J3 Resources, Inc 1533	Lakeland Industries1120
One IDEXX Drive	greenr@bnpmedia.com	6110 W 34th Street	3555 Veterans Memorial Highway
Westbrook, ME 04092 www.IDEXX.com/water	Industrial Scientific	Houston, TX 77092 www.J3Resources.com	Suite C
800-321-0207	Corporation1615	713-290-0221	Ronkonkoma, NY 11779
water@idexx.com	1 Life Way	reports@j3resources.com	www.lakeland.com
IES Engineers1752	Pittsburgh, PA 15205 www.indsci.com	Johns Hopkins Bloomberg	256-350-3873 info@lakeland.com
1720 Walton Road	412-788-4353	School of Public Health 2004	iiio e iakeiaiid.com
Blue Bell, PA 19422	info@indsci.com	615 N. Wolfe Street,	Larson Davis1833
www.iesengineers.com	Innolytics, LLC1342	Room W7517	3425 Walden Avenue
610-828-3078	72377 Magnesia Falls Drive	Baltimore, MD 21205 www.jhsph.edu/erc	Depew, NY 14043 www.larsondavis.com
ILC Dover1711	Rancho Mirage, CA 92270	410-502-0742	716-926-8243
One Moonwalker Road	www.ovocontrol.com		sales@larsondavis.com
Frederica, DE 19946	949-388-3671	Kanomax USA/AccuTec-IHS 1427	Liberty Mutual Insurance 17/1
www.ilcdover.com 302-335-3911	info@ovocontrol.com	219 US Hwy 206 Andover, NJ 07821	Liberty Mutual Insurance 1741 71 Frankland Road
customer_service@ilcdover.com	Intelex Technologies Inc 1653	www.kanomax-usa.com	Hopkinton, MA 01748
	70 University Avenue	800-247-8887	www.libertymutual.com
Indiana University Richard M. Fairbanks School of Public Health	Toronto, Ontario M5J 2M4	Kem Medical Products Corp 1618	800-230-6363 x27371
(IUPUI)2011	Canada www.Intelex.com	400 Dreadballow Dand	lmihlaboratory@libertymutual.com
1050 Wishard Boulevard	416-599-6009	Suite 2	Magid1443
Indianapolis, IN 46202	intelex@intelex.com	Farmingdale, NY 11735	1300 Naperville Dr
www.fsph.iupui.edu	International Asbestos Testing	www.kemmed.com	Romeoville, IL 60446
317-274-2000 Iteme@iu.edu	Laboratories (iATL)1622	800-553-0330 mail@kemmed.com	www.magidglove.com 800-867-1083
	9000 Commerce Parkway	man o nominousom	marketing@magidglove.com
Indoor Air Quality Association	Suite B	Kinetics Noise Control 1810	Maylea International Inc. 4400
(IAQA)	Mt. Laurel, NJ 08054 www.iatl.com	6300 Irelan Place	Markes International, Inc 1133
Atlanta, GA 30329	856-231-9449	Dublin, OH 43017 www.kineticsnoise.com	2355 Gold Meadow Way Suite 120
www.iaqa.org		877-457-2695	Gold River, CA 95670
844-802-4103	International Safety Systems, Inc1538	industrialsales@kineticsnoise.com	www.markes.com
info@iaqa.org	13831 Northwest Fwy	Kitagawa America, LLC 1332	866-483-5684
INDOOR Biotechnologies,	Suite 104	200 Wanague Ave., Suite 204	enquiries@markes.com
Inc1119	Houston, TX 77040	Pompton Lakes, NJ 07442	Marlin1559
700 Harris Street	www.issehs.com	www.kitagawa-america.com	10 Research Parkway
Charlottesville, VA 22903 www.inbio.com	203-751-0400 ankit.sharma@issehs.com	973-616-5410	wallingford, C1 06492
434-984-2304	anni.onanna wiootho.com	info@kitagawa-america.com	www.themarlincompany.com 800-344-5901
mail@inbio.com			info@themarlincompany.com







OHD, LLLP.....1432

336 Harris Hill Rd

716-867-1754

Williamsville, NY 14221

sales@ohssgroup.com

2687 John Hawkins Pkwy

Hoover, AL 35244

www.ohdusa.com 888-464-3872

www.ohssgroup.com







Materion Brush Inc1557	MPSA, a division of Airline 1033	NIOSH1014	Ohio Lumex Con
6070 Parkland Boulevard	3557 Progress Drive	1150 Tusculum Avenue	30350 Bruce Indu
Mayfield Heights, OH 44124	Bensalem, PA 19020	Mail Stop C18	Solon, OH 44139
www.materion.com	www.mpsasafety.com/	Cincinnati, OH 45226	www.ohiolumex.co
MAXAIR Systems1008	215-638-4700	www.cdc.gov/niosh	440-264-2500 mail@ohiolumex.c
17171 Daimler Street	sales@mpsasafety.com	eidtechinfo@cdc.gov	man@onioiumex.c
Irvine, CA 92614	MSA1815	Noise Control Engineering,	Open Range Soft
www.maxair-systems.com	1000 Cranberry Woods Drive	LLC1838	PO Box 80
800-443-3842	Cranberry Twp., PA 16066	799 Middlesex Turnpike	1141 Hebbertsbur
info@maxair-systems.com	www.msasafety.com/global	Billerica, MA 01821	Crab Orchard, TN
	724-776-8600	www.noise-control.com	www.openrangeso
Medtronic Zephyr Performance	us.cs@msasafety.com	978-670-5339	800-669-6742
Systems1658		Northoast Laboratory	OPAU
1 Annapolis St	Mycometer, Inc1102	Northeast Laboratory Services1523	ORAU
Annapolis, IVID 21401		227 China Pd	100 ORAU Way
www.zephyranywhere.com 303-518-3110	5002 S. MacDill Avenue Tampa, FL 33611	Winslow, ME 04901	Oak Ridge, TN 37
303-310-3110	www.mycometer.com	www.nelabservice.com	www.orau.org 865-335-9979
Mesa Laboratories Inc1243	813-831-6511	207-873-7711	barbara.neill@ora
12100 W 6th Ave	010 001 0011	info@nelabservices.com	barbara.rioiii @ ora
Lakewood, CO 80228	Nanozen1302		ORCHSE Strateg
www.mesalabs.com	Suite 302	NRCC1153	2021 L Street NW
303-987-8000	25 East 6th Avenue	125 Rose Ann Ln	Suite 101-357
customerservice@mesalabs.com	Vancouver, BC V5T 1J3	West Grove, PA 19390	Washington, DC 2
Mat One Instruments Inc. 1010	Canada	610-322-0657	www.orchse.com
Met One Instruments, Inc 1218	www.nanozen.ca	Occupational Health &	202-510-0509
1600 NW Washington Blvd.	1-844-NANOZEN	Safety1131	Oxility B.V
Grants Pass, OR 97526	peter.briscoe@nanozen.ca	14901 Quorum Dr.	•
www.metone.com 541-471-7111	National Library of Medicine 1010	Suite 425	Esdoornstraat 11
sales@metone.com	8600 Rockville Pike	Dallas, TX 75254	Best, Nederland 5
oaloo omotono.oom	Bethesda, MD 20894	www.ohsonline.com	Netherlands
Miller Electric Mfg Co1132	www.nlm.nih.gov	972-687-6700	www.oxility.com
1635 W Spencer St	888-FIND-NLM	smay@1105media.com	31-648-070-024
Appleton, WI 54912	tehip@teh.nlm.nih.gov	•	
www.millerwelds.com		Occupational Health & Safety	Particles Plus
920-734-9821	National Safety Council 1659	Assistances Inc., Shanghai 1855	31 Tosca Drive
Milline ve Ciama 4000	1121 Spring Lake Dr.	13F, 1188 Siping Rd,	Stoughton, MA 02
MilliporeSigma1830	Itasca, IL 60143	Yangpu District	www.particlesplus
595 North Harrison Road	www.nsc.org	Shanghai, 200082 China	781-341-1850
Bellefonte, PA 16823	800-621-7615	www.ohsa.com.cn/en/	hello@particlespl
www.sigma-aldrich.com/air_ monitoring	Netronix, Inc1344	xihai mi@ohsa.com.cn	PathCon Laborat
814-359-3441	3401 Grays Ferry Ave	<u>.</u> 0 011041001111011	270 Scientific Driv
kristen.schultz@sial.com	Building 6212	Occupational Health and Safety	Peachtree Corner
Tariotoria de Gialidolli	Dulluling 0212	Solutions 1529	. Cachinee Collies

Philadelphia, PA 19146

www.netronixgroup.com

support@netronixgroup.com

8406 Benjamin Rd., Ste. J

Tampa, FL 33634

www.nextteq.com

877-312-2333

Nextteq, LLC.....1729

215-475-5133

Morphix Technologies ...... 1021

2557 Production Road

www.morphtec.com

757-431-2260 sales@morphtec.com

Virginia Beach, VA 23454

Ohio Lumex Company1742 30350 Bruce Industrial Parkway Solon, OH 44139 www.ohiolumex.com 440-264-2500 mail @ ohiolumex.com
Open Range Software LLC 1726 PO Box 80 1141 Hebbertsburg Rd Crab Orchard, TN 37223 www.openrangesoftware.com 800-669-6742
ORAU
ORCHSE Strategies, LLC 1561 2021 L Street NW, Suite 101-357 Washington, DC 20036 www.orchse.com 202-510-0509
Oxility B.V
Particles Plus
PathCon Laboratories
PerkinElmer

www.perkinelmer.com

ehevents@perkinelmer.com

781-663-6900

## Exhibitors by Alphabet

## For company descriptions visit www.aihce2018.org/exhibitordirectory or download the AIHce EXP 2018 Mobile App

## **Pharmaceutical Containment** Technologies......1121 1000 Larkin Williams Industrial Ct Fenton, MO 63026 www.pctamericas.com 314-795-1439 brian@pctamericas.com Pine.....1431 Windsor Industrial Park

92 North Main Street Windsor, NJ 08561 www.pine-environmental.com 800-301-9663 pinenews@pine-environmental.com

## Portagas by Praxair.....1255

1202 E. Sam Houston Pkwv S Pasadena, CA 77503 www.portagas.com/ 800-548-2268 support@portagas.com



2625 Denison Drive, Ste. D Mt. Pleasant, MI 48858 www.pati-air.com 989-772-5088 prism@pati-air.com

## ProcessMAP......1832

13450 West Sunrise Blvd Suite 160 Sunrise, FL 33323 www.processmap.com 954-908-4000 info@processmap.com

## **Protective Industrial** Products, Inc......1545

968 Albany Shaker Road Latham, NY 12110 www.pipusa.com 800-262-5755

## Pulpstream.....1004

21088 Tamarind Ct Cupertino, CA 95014 www.pulpstream.com 408-449-0296 sales@pulpstream.com

## Pureflo ...... 1530

324 Main St Carbondale, PA 18407 www.gentexcorp.com/industrialsafety 617-603-2477

## QuanTEM Laboratories ....... 1327

2033 Heritage Park Drive Oklahoma City, OK 73120 www.quantem.com 800-822-1650 marketing@quantem.com

## RAECO Rents......1210

135 Bernice Drive Bensenville, IL 60106 www.raecorents.com 866-736-8347 rents@raecorents.com

## Restek Corp ...... 1933

110 Benner Circle Bellefonte, PA 16823 www.restek.com 814-353-1300 csreps@restek.com

## RightAnswer.com ...... 1728

2900 Rodd Street PO Box 1911 Midland, MI 48641 www.rightanswer.com 989-835-5000 salessupport@rightanswer.com

## Risk and Safety Solutions .... 1660

202 Cousteau Place Davis, CA 95618 www.riskandsafety solutions.com/ service@RiskandSafety Solutions.com

## RJ Lee Group, Inc......1439

350 Hochberg Rd. Monroeville, PA 15146 www.rjlg.com 724-325-1776

## RKI Instruments......1331

33248 Central Avenue Union City, CA 94587 www.rkiinstruments.com 800-754-5165

## RMCOEH - University of Utah.. 2017

391 Chipeta Way, Ste. C Salt Lake City, UT 84108 www.medicine.utah.edu/rmcoeh 801-581-8719

## RPB Safety LLC ......1009

2807 Samoset Rd Royal Oak, MI 48073 www.rpbsafety.com 866-494-4599 sales@rpbsafety.com

## S.E. International, Inc. ...... 1232

PO Box 39 Summertown, TN 38483-0039 www.seintl.com 800-293-5759 radiationinfo@seintl.com



## SafeBridge Consultants, Inc. 1123

1924 Old Middlefield Way Mountain View, CA 94043 www.safebridge.com 650-961-4820 info@safebridge.com

## **SAFER Systems......1616**

310 North Westlake Blvd. Suite 200 Westlake Village, CA 91362 www.SAFERsystem.com 805-383-9711 info@safersystem.com

## Safety In Motion, Inc...... 1852

610 SW Broadway Suite 310 Portland, OR 97205 www.safetyinmotion.com 503-241-7233 inbox@safetyinmotion.com

## Safeware Inc......1521

4403 Forbes Blvd. Lanham, MD 20706 www.safewareinc.com/ 800-331-6707 info@safewareinc.com





- » Laboratory Services (standard & enhanced crystalline silica, beryllium, asbestos, lead, nanotechnology, acid mists, heavy metals, solvents & vapors)
- » Surface Contamination
- **Product Stewardship**
- Method Development



» Environmental Technology

## Visit Us at Booth #1439!

We provide more than just data delivery. We provide solutions. go.rjlg.com/ehs-services | 724.519.9068







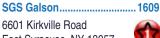






SanAir Technologies Laboratory, Inc......1220

1551 Oakbridge Drive, Suite B Powhatan, VA 23139 www.sanair.com 804-897-1177 IAQ@SANAIR.com



East Syracuse, NY 13057 www.sgsgalson.com 888-432-5227 ehs.clientcare@sgs.com



Sunset CES Inc......1858

8281 E Evans Rd Ste 103 Scottsdale, AZ 85260 www.sperdirect.com 480-719-3468

9403 SW Nimbus Ave

Beaverton, OR 97008



33278 Central Avenue Suite 102 Union City, CA 94587 www.swsafety.com 510-429-8692 info@swsafety.com

SAP ......1012

3999 West Chester Pike Newtown Square, PA 19073 www.sap.com michael.censurato@sap.com



1306 Wellington St. W Suite 501 Ottawa, ON K1Y 3B2 Canada www.shoebox.md

877-349-9934

Suite D221

770-883-2697

info@shoebox.md

2959 Chapel Hill Road

Douglasville, GA 30135

sales@sibatausa.com

www.sibata.co.jp/english/

503-670-8335

Sustainable Workplace Alliance......1554

www.cooperenvironmental.com/

216 E Stuart Ave Lake Wales, FL 33853 www.sustainablewp.org 863-676-4100

Sy-Klone International ....... 1252 4390 Imeson Rd Jacksonville, FL 32219

www.sy-klone.com 904-448-6563 bonalyn.boyd@sy-klone.com

**Schneider Laboratories** Global Inc ...... 1230

2512 West Cary Street Richmond, VA 23220-5117 www.slabinc.com 804-353-6778 info@slabinc.com

info@sustainablewp.org

T K Group, Inc......1155

1781 S. Bell School Rd Rockford, IL 61016 www.tkontheweb.com 815-332-3460 chrisbennett@tkgrouphearing.com

## **Scientific Analytical**

4604 Dundas Drive Greensboro, NC 27407 www.sailab.com 877-292-3888 lab@sailab.com



SDSpro ......1738

1300 E. 68th Avenue, #208A Anchorage, AK 99518 www.sdspro.com 907-272-6635 sales@SDSpro.com

2681 Parleys Way, Suite 201

Salt Lake City, UT 84109

www.seertechnology.com

info@seertechnology.com

St. Petersburg, FL 33716

www.sensidyne.com

info@sensidyne.com

800-451-9444

801-746-7888

**SEER Technology ......1032** 

Sensidyne, LP ...... 1809

1000 112th Circle North, Suite 100



Sibata USA Inc......1208

709 Nissan Drive Smyrna, TN 37167 www.sitehawk.com 877-483-4295 info@sitehawk.com



863 Valley View Road Eighty Four, PA 15330 www.skcinc.com 800-752-8472





skcorder@skcinc.com



SPAN Safety Workshops...... 1028

#111 Nixa, MO 65714





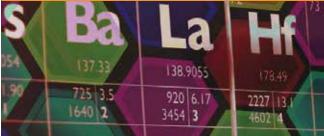
www.spansafety.com 417-724-2881 info@spansafety.com

**Special Pathogens** Laboratory......1614

NEW

1401 Forbes Ave., Ste 401 Pittsburgh, PA 15219 www.specialpathogenslab.com 412-281-5335 info@specialpathogenslab.com





Successful EHS leaders in virtually every industry worldwide leverage our expertise and chemical data management solutions to maintain compliance, reduce risk, drive product development and make better business decisions.

Visit us in Booth #1627!

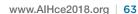
1-877-483-4295 SiteHawk.com/CDM

SiteHawk **>** 



Sentinel Health International... 1632

Newtown, PA 18940 www.sentinelhealth.net 215-932-8025 info@sentinelhealth.net



## Exhibitors by Alphabet

## For company descriptions visit www.aihce2018.org/exhibitordirectory or download the

AIHce EXP 2018 Mobile	Арр	·	
Taylor & Francis Inc1002	UL EHS Sustainability1440	University of Toledo2009	Wood1904
6000 Broken Sound Parkway NW	5000 Meridian Blvd.	3000 Arlington Ave., MS 1027	11810 Northcreek Pkwy North
#300	Suite 600	Toledo, OH 43614	Bothell, WA 98011
Boca Raton, FL 33487	Franklin, TN 37067	www.utoledo.edu/med/pubhealth	www.woodplc.com
www.tandfonline.com	www.ulehssustainability.com	419-383-3976	425-368-0969
561-430-4833	615-312-1245	University of Washington -	mike.s.smith@woodplc.com
jennifer.humke@taylorandfrancis.com	Uniphos Envirotronic Inc 1211	Environmental & Occupational	WorkCare, Inc1203
Terracon Consultants Inc 1829	2245 Texas Drive	Health Sciences2007	300 S. Harbor Boulevard, Ste. 600
18001 W. 106th St., Ste. 300	Suite 300	1959 NE Pacific Street	Anaheim, CA 92805
Olathe, KS 66061	Sugar Land, TX 77479	Seattle, WA 98195	www.workcare.com
www.terracon.com	www.uniphosamericas.com	www.deohs.washington.edu	800-455-6155
913-599-6886	832-956-0800	206-543-6991	info@workcare.com
T	orders.usa@uniphos-envirotronic.com	ehadmin@uw.edu	W-11 0
Testo Inc1527	Univ. of Illimaia/Creat Lakes Contars	US Navy Recruiting	Working Concepts, Inc1130
40 White Lake Road	Univ. of Illinois/Great Lakes Centers for Occupational & Environmental	Command1128	PO Box 1345
Sparia, NJ 07071	Safety & Health2014	5722 Integrity Drive	Gresham, OR 97030
www.testo.com 800-227-0729	2121 West Taylor Street	Millington, TN 38054	www.softknees.com 503-663-3374
info@testo.com	Chicago, IL 60612	www.navy.com	orders@softknees.com
1110 @ te3to.com	www.uic.edu/sph/glakes		orders & sortkriees.com
Tiger-Vac Inc. (USA)1227	312-996-6904	VelocityEHS	Workplace Material Handling
11 S.W. 12th Ave. Bldg. 112		(formerly MSDSonline)1913	& Safety 1656
Dania, FL 33004	University of Alabama at	222 W. Merchandise Mart Plaza	809 Central Ave.
www.tiger-vac.com	Birmingham - Deep South	Suite 1750	Ste. 200
954-925-3625	ERC2003	Chicago, IL 60654	Fort Dodge, IA 50501
sales@tiger-vac.com	1720 2nd Ave South,	www.ehs.com	www.workplacemhs.com
Travelers Laboratory 1539	RPHB 520A Birmingham, AL 35294-0022	888-362-2007 velocity@ehs.com	586-227-9344
90 Lamberton Road	www.uab.edu/dsc	velocity @ ens.com	Workrite Uniform Company 1229
Windsor, CT 06095	205-934-7178	Verisk 3E1205	1701 N. Lombard Street
www.travelerslab.com	200 00 1 1 1 1 0	3207 Grey Hawk Ct., #200	Suite 200
800-842-0355	University of Cincinnati	Carlsbad, CA 92010	Oxnard, CA 93030
tberkan@travelers.com	Environmental and Occupational	www.Verisk3E.com	www.workritefr.com
	Hygiene2013	760-602-8700	800-521-1888
TSI Inc1715	Kettering Lab	info@Verisk3E.com	WR_info@vfc.com
500 Cardigan Rd	160 Panzeca Way	VICI Metronics, Inc1952	Weylerite Medical® 4004
Shoreview, MN 55126	Cincinnati, OH 45267-0056 www.eh.uc.edu/ih/		Worksite Medical®1031
www.tsi.com	513-558-2809	26295 Twelve Trees Lane Poulsbo, WA 98370	510 Jamison Avenue
800-874-2811 answers@tsi.com	kermit.davis@uc.edu	www.vici.com	Ellwood City, PA 16117 www.WorksiteMed.com
answers@tsi.com		360-697-9199	844-622-8633
Tyndale Company1517	University of Michigan2005	metronics@vici.com	info@worksitemed.com
5050 Applehutter Boad	1415 Washington Heights		
Pipersville, PA 18947	Ann Arbor, MI 48109-2029	Wavecontrol Inc1104	xRapid Environment1353
www.tyndaleusa.com	www.cohse.umich.edu/	301 Route 17 North, Suite 402	111 Congress Ave. #473
215-766-5660	734-936-0749	Rutherford, NJ 07070	Austin, TX 78701
Marketing@tyndaleusa.com	umcohse-info@umich.edu	www.wavecontrol.com	www.xRapid-Environment.com
U.S. Micro-Solutions, Inc 1553	University of South Florida	201-479-9022 jordi-accensi@wavecontrol.com	512-862-4474
1075 South Main Street	Sunshine ERC2015	jorur-accensie wavecontiol.com	Bill@xrapid.com
Suite 104	13201 Bruce B. Downs Boulevard	Western Kentucky University 2002	Zefon International, Inc 1221
Greensburg, PA 15601	MDC 56	1906 College Heights Blvd #11082	5350 SW 1st Lane
www.USMSLAB.com	Tampa, FL 33612-3805	Academic Complex 133	Ocala, FL 34474
724-853-4047	www.health.usf.edu/publichealth/	Bowling Green, KY 42101	www.zefon.com
into Quamalah sam	eoh/index.htm	www.wku.edu/nublichealth/	252 054 0000

www.wku.edu/publichealth/

public.health@wku.edu

270-745-2015

352-854-8080

ZefonCS@zefon.com

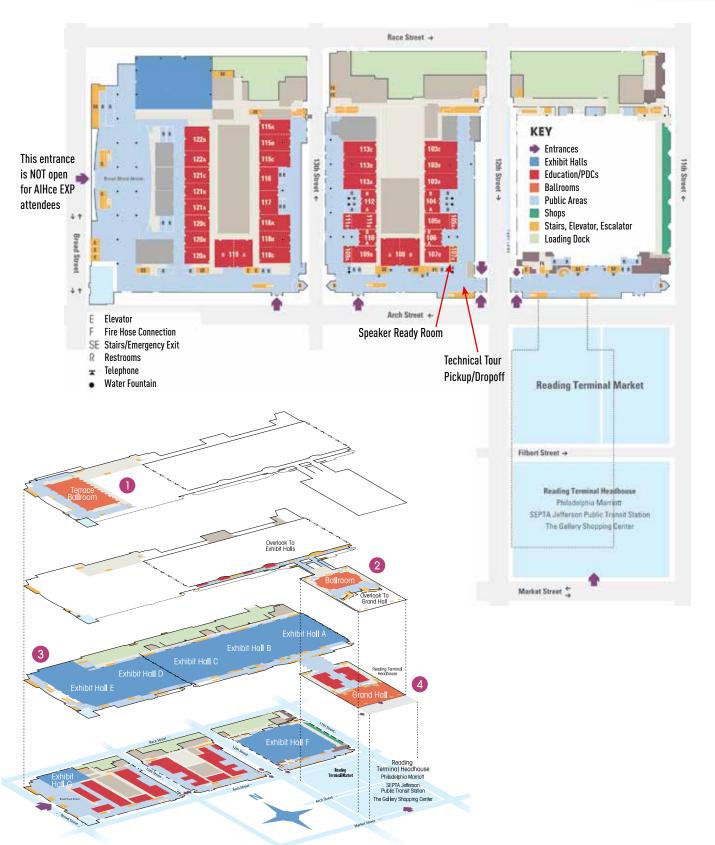
info@usmslab.com

eoh/index.htm

813-974-0989

## Pennsylvania Convention Center

Level 100



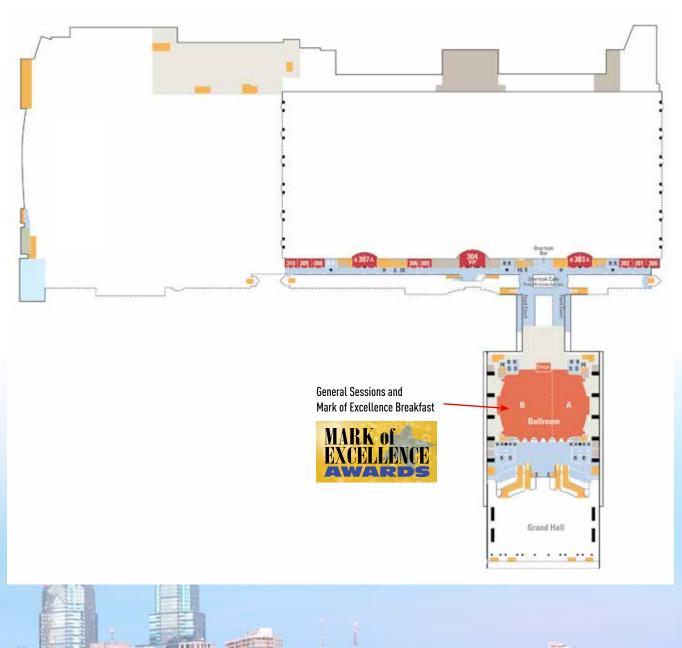
## Pennsylvania Convention Center

Level 200



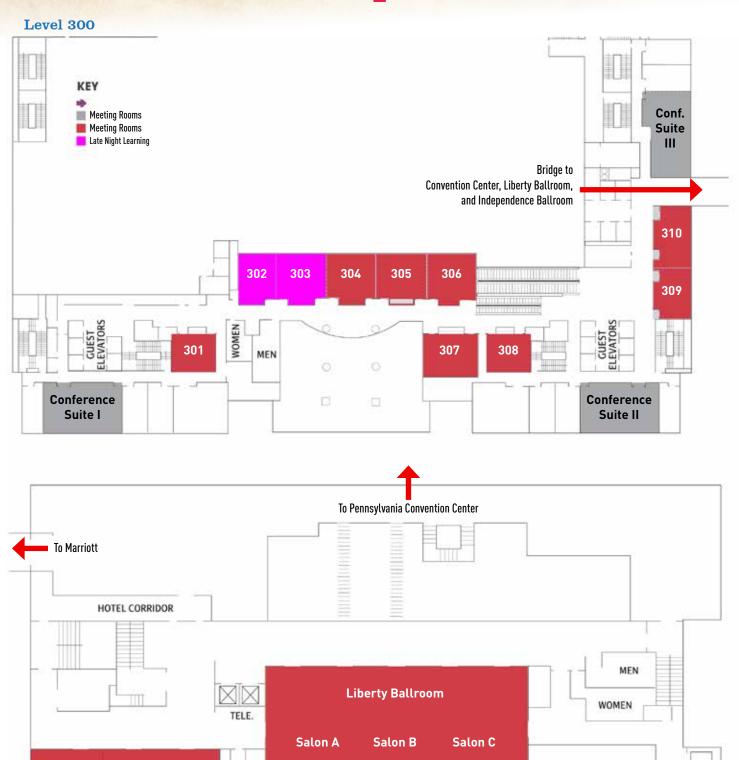
## Pennsylvania Convention Center

Level 300





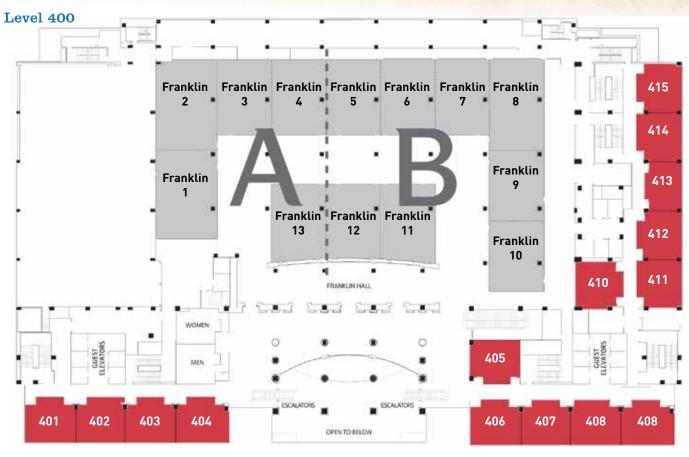
## Marriott Philadelphia Downtown

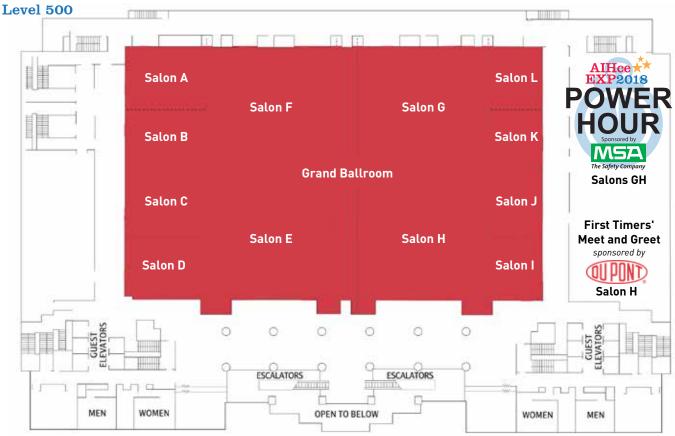


TERRACE

Independence Ballroom

## Marriott Philadelphia Downtown





## **Board and Conference Committees**



## Thank You...

to the following volunteers for their time and expertise in assembling the 2018 program.

## Conference Program Committee

Chair: Janet L. Keyes, CIH, FAIHA Vice Chair: Martin L. Jones, PhD, CIH, FAIHA, CSP, EIT

Dianne Grote Adams, CIH, CSP, CPEA Kent A. Candee Bart Dawson, CIH Erica N. Jones. MSH. CIH Audrey Lawrence, MPH, CIH Jonathan K. Lutz, PhD, CIH Cheri L. Marcham, PhD, CIH, CSP, CHMM, FAIHA Keenan Monaghan, GSP Rob Rottersman, MS, CIH Thomas J. Slavin, CIH, CSP, CSHM, CPEA Jun Wang, PhD, PE, CIH Dirk P. Yamamoto, PhD. PE. CIH, CSP Cindy Ostrowski, CIH (Board Liaison)

## **Continuing Education Committee**

Chair: Brandi Kissel

Vice Chair: Mark Jonesku, CIH, CSP, CHMM

Past Chair: Michell E. Coats, CIH, CSP, CHMM, CPEA

Carl Heinlein, CSP, OHST, ARM Cheri L. Marcham, PhD, CIH, CSP, CHMM, FAIHA Jack Springston, CIH, CSP, MS, FAIHA Stephen Graham, CIH, CSP Diane Herrera, CIH, CSP David Lumby, CIH, CSP Suzanne A. Wilde, CIH Caroline Switzer, B.Sc., CSP, CIH Ivory Iheanacho, MSPH-IH

## **Local Advisory Committee**

Philadelphia Local Section

Thomas E. Case, CIH, CSP, FAIHA Larry W. Johnson, PE, CIH, FAIHA Dennis Mueller, PhD Stephen Siegel, CIH, MBA









Stop by during

## **AIHce 2018**

Booth #1530

## Optimizing Human Performance

PureFlo industrial respiratory protection systems offer comprehensive, innovative industrial solutions which protect people from immediate and long—term health and safety hazards present in their work environments, while enhancing workplace performance.

## We the people

of SIXC say you have the right to the pursuit of...

- Easy TOUCH air sample pumps
- Accurate chek-mate calibration

Pocket Pump® TOUCH 20-500 ml/min

- Efficient PPI respirable dust sampling

chek-mate Calibrators – high accuracy, easy operation, lower price



SKC AirChek® TOUCH to 5 L/min

Visit Booth 1307 for a demo and sweet treat from SKC!

SKC



PPI disposable samplers

Listed in the OSHA Silica Rule







