



AIHCE^{VIRTUAL} EXP2020

Advancing Worker Health & Safety.

ONLINE JUNE 1–3

VIRTUAL CONFERENCE PROGRAM

The premier conference and exposition for occupational
and environmental health and safety professionals



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THE FUTURE OF AIHA HAS ARRIVED. **COME TAKE A LOOK.**

Changes in our industry are inspiring changes at AIHA. We are dedicated to being a forward-looking organization, working to advance the Occupational Health and Safety profession — enhancing our member services and recruiting the next generation of professionals into our ranks.

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General Information

Conference events are held entirely virtually, in the comfort of your office, home, or setting of your choice.

● Behavior Standards

AIHce EXP is a professional conference. AIHA reserves the right to take any action deemed necessary and appropriate, including immediate removal from the meeting without warning or refund, in response to any incident of unacceptable behavior, and AIHA reserves the right to prohibit attendance at any future meeting. Examples of unacceptable behavior include, but are not limited to:

- Harassment, intimidation, or discrimination in any form
- Physical or verbal abuse of any attendee, speaker, volunteer, exhibitors, AIHA staff member, service provider, or other meeting guest
- Verbal comments related to gender, sexual orientation, disability, physical appearance, body size, race, religion, national origin, inappropriate use of nudity and/or sexual images in public spaces or in presentations, or threatening or stalking any attendee, speaker, volunteer, exhibitor, AIHA staff member, service provider, or other meeting guest
- Disruption of presentations at sessions, in the exhibit hall, or at other events organized by AIHA at the meeting venue, hotels, or other AIHA-contracted facilities.

AIHA has zero-tolerance for any form of discrimination or harassment, including, but not limited to, sexual harassment by participants or staff at conferences. If you experience harassment or hear of any incidents of unacceptable behavior, AIHA asks that you inform Larry Sloan, CEO, lsloan@aiha.org or Franky Spangler, Director, Human Resources, fspangler@aiha.org, or 703-849-8888 so that we can take the appropriate action. For more information on AIHA's Member Code of Conduct and Reporting Form, visit www.aiha.org/membership and search AIHA Code of Conduct Acknowledgement.

● CIH Requirements

For detailed information about CIH requirements, contact ABIH directly at www.abih.org.

● Education Credits

AIHce EXP 2020 attendees can earn up to 22 contact hours by attending sessions virtually Monday through Wednesday, including the daily Lunch and Learn session. Click the Submit Credit button on your session screen in the LMS to complete your evaluation and have your AIHA transcript updated.

Miss a session or need additional hours for your certification? AIHce EXP OnDemand recordings bring conference sessions right to your doorstep. All virtual full conference registrations receive free access to AIHce EXP OnDemand. Recordings will be available in late July 2020,

Going Green!



To help reduce waste and our footprint on the environment, AIHA and our suppliers have partnered on the following initiatives:

- Transitioning the printed Advance Program and Final Program to fully digital, eliminating paper product, fuel, and emissions used to transport programs via mail.
- Reducing the final program page count by listing session descriptions and exhibitor company descriptions online.

To help us “green” the conference, we encourage you to:

- Go digital (rather than print). Download to your computer any presentations and handouts and take notes digitally.

and you will have access through December 31, 2020. You will receive an email with access and credit instructions once the recordings are finalized in July.

● Evaluations

Virtual AIHce attendees can access education session and PDC evaluations via the AIHce EXP learning management system. Your feedback is appreciated and will be used to improve AIHce. Evaluations must be completed to receive credit.

● Expo

The 2020 AIHce Expo is virtual! Be sure to set up a [“My Show Planner”](#) profile to engage with exhibitors who offer products or services of interest to you.

General Information

● Proof of Attendance and PDC Completion

Educational transcripts are updated by session as each online evaluation is completed. You may earn up to 22 contact hours for full conference participation.

● OnDemand

AIHce EXP OnDemand is the package of session recordings included with full conference registrations. Recordings will be available 6-8 weeks following the conference through December 31, 2020. Credit is available for viewing the recordings. Once available, you will receive an email with access and detailed credit instructions.

● Disclaimer

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

● Schedule Changes

The Virtual AIHce EXP 2020 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.

thank you!

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Special Events

● AIHA's Total Worker Health Track

NEW

This new track highlights what you need to know about a holistic approach to worker well-being. The sessions will introduce TWH and the role of industrial hygienists in delivering exposure-based information and taking action to promote TWH practices for workers in and out of the workplace. Presenters will introduce the concept of the "Totals:" Total Worker Health®, Total Worker Exposure, and Total Exposure Health, as well as define how they are related to each other. Total Worker Health track sessions are the "12s" (A12, B12, etc.).

● Mark of Excellence Awards

The AIHce EXP Mark of Excellence Awards are a celebration of the extraordinary contributions made by members and the volunteer community to the industry and the profession. We will celebrate the achievements of each awardee after the conference. Check the conference website and your email for more information.

Mark of
Excellence
AWARDS

● 34th Annual AIHF Virtual Fun Run

June 1 – 15

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AIHF Virtual Fun Run

June 1 - 15, 2020
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AIHA® Named Awards and Recognition



Awardees will be honored after the Virtual AIHce EXP 2020.

AIHA Fellows

The AIHA Fellows designation was established to recognize full members in good standing, with 15 years of continuous full membership, who have made recognized contributions to industrial hygiene or related disciplines, either through research, leadership, publications, education, or service to AIHA.



Stephanie R. Carter, MSPH, PhD, CIH, FAIHA

Nominated by Gary W. Bangs on behalf of the AIHA Pacific Northwest Local Section



William S. Carter, PhD, CIH, FAIHA

Nominated by Marianne Levitsky, AIHA Member



Jeffrey A. Church, CIH, CSP, REHS/RS, FAIHA

Nominated by Lawrence G. Wylie on behalf of the AIHA Toxicology Committee



Joy Erdman, MS, CIH, CSP, FAIHA

Nominated by Celia Booth, AIHA Member



Thomas P. Fuller, ScD, CIH, CSP, MSPH, MBA, FAIHA

Nominated by Steven M. Thygerson, AIHA Member



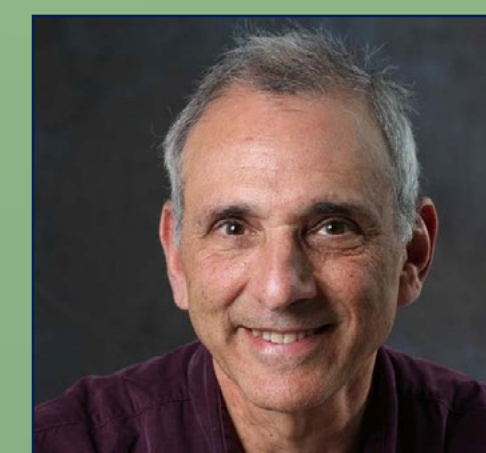
Ling-Ling Hung, PhD, FAIHA

Nominated by Stephen Derman on behalf of the AIHA Biosafety and Environmental Microbiology Committee



Georgi I. Popov, PhD, QEP, CSP, ARM, SMS, CMC, FAIHA

Nominated by Mary Kay Snow, AIHA Member



Noah Seixas, PhD, CIH, FAIHA

Nominated by Donald J. Garvey on behalf of the AIHA Construction Committee

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AIHA® Named Awards and Recognition

AIHA Named Awards

AIHA is more than just an association. It is a community of thought leaders and a conduit for rewarding excellence. AIHA values the profession and our members by providing opportunities and resources to share about the profession and recognizing those professionals who have exemplified excellence and leadership.



Edward J. Baier Technical Achievement Award

M. Andrew Maier, PhD, CIH, DABT, FAIHA

is a thought leader in the integration of industrial hygiene, toxicology, and risk assessment across multiple industrial segments. Maier has authored more than 50 peer reviewed publications, 10 book chapters, and well over 100 government technical reports. Through technical development, he continues to build the scientific community for industrial hygiene, occupational risk assessment, and occupational risk development (OELs). He engages in multiple scientific forums, providing leadership and expertise, as well as mentoring legions of industrial hygienists.

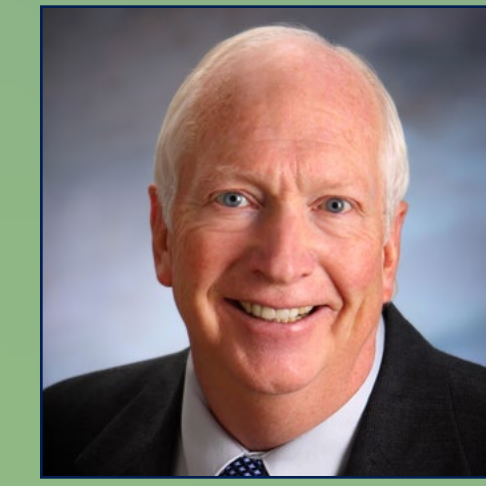
Sponsored by Apex Companies, LLC., this award is given to the individual or group of individuals, company, organization, or association that has made the most significant contribution to industrial hygiene in recent years through technical expertise, innovations, or scientific advancement. Mr. Maier was nominated by Jeanne Fallon-Carine, CIH.



Distinguished Service to AIHA Award

Carter B. Ficklen, III, CIH, CSP has been a champion of the IH profession for over 20 years. Since 2008, he has taken a leading role in planning the programing for AIHA's Future Leaders Institute and has served as president of the American Industrial Hygiene Foundation (AIHF), Local Section President of the AIHA Tidewater Local Section, and chair of the AIHA Students and Early Career Professional Committee. For over ten years, he organized and led the very popular CIH Prep technical session at AIHce EXP and most recently, served as the editor to the *Industrial Hygiene Reference & Study Guide*, 4th edition. His greatest influence has been in leading others by inspiring them to technical, professional, and personal achievement.

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. Mr. Ficklen was nominated by Jennifer Sahmel, MPH, CIH, CSP, FAIHA; Cathy Hovde, CIH, CSP; Megan Canright, MPH, CIH; and Shannon H. Gaffney, PhD, MHS, CIH.



Donald E. Cummings Memorial Award

Harry J. Beaulieu, PhD, CIH, CSP has made significant technical contributions to the protection of worker health as an educator, researcher, field investigator, speaker, and author. He has worked in academia, government (compliance and enforcement), and as the longtime President of his own consulting company. Demonstrating a commitment to scientific rigor, ethics, and practicality, Harry has brought practical solutions for protecting worker health to hundreds of business and organizations. Over the years, he has had time to make contributions to a variety of professional organizations including AIHA, ASSP, and SSHA. Most importantly, Harry is credited for his effect on the people he has worked with, mentored, and helped. There are many practitioners at all levels who owe a great deal of their professional success to him.

This award is bestowed upon an individual who has made outstanding contributions to the knowledge and practice of industrial hygiene and who has been acknowledged for his/her contributions outside of the field of industrial hygiene. Mr. Beaulieu was nominated by Michael Amster, PE, CIH, CSP, CHMM, FAIHA.

AIHA® Named Awards and Recognition



Alice Hamilton Award

L. Faye Grimsley, PhD, CIH, FAIHA has served as a mentor throughout her career to minorities and female health and safety professionals. Over the past 17 years, she has been a passionate and electrifying IH professor at Xavier University and Tulane University. She has published numerous papers, given many presentations, and has counseled all types of professionals about industrial hygiene concerns. The impact of her research and publication regarding the health and safety issues that New Orleans faced with Hurricane Katrina is still being talked about today since it brought to light many concerns that affected an underserved population. Grimsley helped establish the formation of the AIHA Minority Special Interest Group (MSIG) and has been an active member since its inception in 2000, helping to influence social reform. She has been a trailblazer to the IH profession by changing the way that industrial hygienists are viewed and adding diversity to the profession.

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. Ms. Grimsley was nominated by Kerry-Ann Jaggassar, CIH.



Kusnetz Award

Dana M. Hollins, CIH has accomplished an impressive amount in her career before the age of 40, exhibiting both technical skills and expertise and demonstrating a commitment to the industrial hygiene profession. Employed in the private sector for the entirety of her career with Cardno ChemRisk, Hollins has a strong interest in occupational epidemiology. Early in her career, she began researching and publishing in peer-reviewed literature and to date has co-authored over 13 papers in public health and epidemiology literature. Hollins has also displayed exemplary leadership and dedication to AIHA specifically throughout her career. She was selected to the AIHA Future Leaders Institute in 2012, and after attending this prestigious and competitive program, she served as the Chair of the Occupational and Environmental Epidemiology Committee twice, in both 2013-2014 and 2018-2019. She has also taught a number of professional development courses at AIHce EXP, including on topics related to exposure reconstruction and epidemiology.

Sponsored by Florence Kusnetz, this award honors a certified industrial hygienist who has reached his/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 hygiene profession. Ms. Hollins was nominated by Jennifer Sahmel, MPH, CIH, CSP, FAIHA; Megan

Canright, MPH, CIH; Shannon H. Gaffney, PhD, MHS, CIH; and John Henshaw, CIH, FAIHA.

Social Responsibility Award

National Council for Occupational Safety and Health (National COSH) works collaboratively with a network of community, health, and labor organizations and activities to ensure that all workers earn their living and return home safely. Recently, they achieved tangible improvements to the health, safety, and wellbeing of hundreds of thousands of workers across the country – strengthening workplace protections, thwarting efforts to weaken OSHA and other federal agencies, and advancing public policies in local and state arenas. They achieved landmark victories in worker-led workplace and public policy campaigns that resulted in meaningful improvements to working conditions – protecting workers from the harmful effects of wildfires in California, requiring fatality investigations for public employees in New Hampshire and extending OSHA protections for public employees in Massachusetts, and ensuring that the Chemical Safety Board continues its important practice of naming victims of workplace fatalities.

Sponsored by Apex Companies, LLC., this award is presented to an individual, entity, group, or organization who works inside organizations to develop and promote practical solutions to social responsibility issues related to industrial hygiene or environmental health and safety issues. National COSH was nominated by Scott P. Schneider, CIH, FAIHA.

AIHA® Named Awards and Recognition



President's Award

Perry W. Logan, PhD, CIH has made many impressive technical contributions to AIHA and the profession, including in the academic study and application of leadership to industrial hygiene roles (something that he has successfully practiced himself as the Global Director of Environment, Health, Safety, and Management at 3M Corporation). His most important technical contributions are in the critical arena of professional judgment by industrial hygienists. His research and dissertation work focused on developing objective professional judgment and assessment strategies to address cognitive biases in industrial hygiene decision making. These ground-breaking ideas have heavily influenced the industrial hygiene community to think carefully about how professional judgment and experience may introduce bias into every day decision-making. Logan also introduced key statistical concepts, including the use of Bayesian Decision Analysis, into the repertoire of tools available to industrial hygienists for analysis of exposure data.

He has contributed to technical writing of key references utilized widely by industrial hygienists today, including *A Strategy for Assessing and Managing Occupational Exposures* and *Patty's Industrial Hygiene*, and his publications have been widely cited in papers and references related to exposure assessment and decision criteria. Logan has actively promoted his work in professional decision-making with international presentations, workshops, coursework, and keynote

addresses. He has contributed to the technical content and instruction of several top AIHce EXP Professional Development Courses including: Exposure Assessment Strategies & Statistics, Bayesian Statistics: Overview and Applications in IH Data Interpretation and Exposure Risk Assessment, Forecasting Exposures Using the New Well-Mixed Room Models, and others.

His success can not only be attributed to his exceptional intelligence, vast experience, and technical knowledge, but also his ability to influence and inspire industrial hygienists to think outside the box and pursue continued learning. Logan served as the past president of the Academy of Industrial Hygiene Council (2012), past chair of the Exposure Assessment Strategies Committee (2008-2009), and is a current member of the Leadership and Management Committee and the 2020 COVID-19 Re-Open America Guidelines group, resulting in the new Back to Work Safely™ initiative. He attended the inaugural 2005 AIHA Future Leaders Institute (FLI) and has since been heavily involved in the facilitation of program development for the FLI program, having served on the advisory group (2008, 2011, 2014, and 2018). He has helped with fundraising, and his enthusiasm for the program has helped make it what it is today.

The President's Award recipient is independently selected by the AIHA President to recognize an individual or group of individuals that s/he feels has demonstrated exemplary service in some capacity.

AIHA® Volunteer Group Awards

Lila Albin Award

Since 1997, the AIHA Indoor Environmental Quality Committee has recognized a peer reviewed article in the *Journal of Occupational and Environmental Health*. The article must: (a) provide practical information and expand the knowledge base of IEQ professionals; (b) address a critical IEQ issue; and (c) present the topic clearly and engagingly. This year's recipients are **Lily Yip, Mairead Finn, Andrea Granados, Karren Prost, Allison McGeer, Jonathan B. Gubbay, James Scott, and Samira Mubareka** for *Influenza Virus RNA Recovered from Droplets and Droplet Nuclei Emitted by Adults in an Acute Care Setting*.

Birkner Leadership Award

The AIHA Leadership and Management Committee presents this award to honor the legacy of Ruth McIntyre-Birkner and Larry Birkner. The award is proudly given to an individual exemplifying extraordinary leadership and management. This year's recipient is **Paul A. Esposito, CIH, CSP**.

Rachel Carson Award

The AIHA Environmental Issues Committee awards this honor to **Enrique Medina, MS, CIH, CSP, FAIHA and Sanjay Sam Celly, JD, CSP** in recognition of their environmental advocacy in the spirit of Rachel Carson. This award is bestowed upon an environmental health and safety (EH&S) professional who has attained outstanding success and distinction in their environmental and

AIHA® Named Awards and Recognition

industrial health and safety business, profession, or life's work.

Chaffin Award

By encouraging conference participation and recognizing excellence in the field of ergonomics, the AIHA Ergonomics Committee presents the Chaffin Award to the best ergonomic related technical session at AIHce. Established in 2008, the award honors Dr. Donald B. Chaffin's many contributions to the field of ergonomics and to AIHA.

Rochelle Crew Memorial Award

This award is given by the AIHA Construction Committee to honor the memory of Rochelle Crew, a long-time construction safety PDC presenter and former member of the committee. The award is given to the best construction-related paper, technical session, or PDC presentation at the previous year's AIHce EXP. This year's award goes to **Caroline Switzer, CIH, CSP** for *Tunneling Hazards: Unique Conditions and Considerations*.

H. Kenneth Dillon Memorial Award

This award is presented 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 recipient of the best student poster on biosafety or microbiology at AIHce EXP.

Donna Doganiero Award

The AIHA Safety Committee presents this award in honor of Donna Doganiero, CIH, FAIHA to the presenter of the best safety-related technical session at AIHce EXP. The award honors a truly outstanding individual whose achievements and vision continues to move the field of industrial hygiene and safety forward.

The Golden Seed Award

Established in 2007 by the AIHA Students and Early Career Professional Committee, this award recognizes an individual who has mentored and/or demonstrated a commitment to promoting industrial hygiene to students and early career professionals. This year's recipient is **James R. Couch, PhD, CIH, CSP, REHS/RS**.

Hazard Prevention and Engineering Controls Committee Best Paper

This award is given by the AIHA Hazard Prevention and Engineering Controls Committee to the best paper that focuses on the use of engineering principles for the prevention and control of health hazards. The awardee is selected by a committee of peers from papers published in the *Journal of Occupational and Environmental Hygiene* during the calendar year that precedes the conference.

Nano and Advanced Materials Working Group Best Paper

The AIHA Nano and Advanced Materials Working Group recognizes an article from the *Journal of Occupational and Environmental Hygiene* on peer-reviewed research on nanotechnology. This award will be presented at the Nanotechnology Working Group's virtual meeting.

Margaret Samways Memorial Student Poster Award

This award honors the memory of Margaret Samways, past chair and long-time member of the AIHA Communication and Training Methods Committee. The award will be given to the best student poster at AIHce EXP that focuses on communication and training methods.

David L. Swift Award Memorial Award

This award honors the memory of Dr. David L. Swift 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 **Christopher Zuidema, Larissa V. Stebounova, Sinan Sousan, Geb Thomas, Kirsten Koehler, and Thomas M. Peters** for their paper, *Sources of Error and Variability in Particulate Matter Sensor Network Measurements*.

AIHA® Named Awards and Recognition

Upton Sinclair Lecture Award

The Upton Sinclair Memorial Lecture on EHS Investigative Reporting is hosted by the AIHA Social Concerns Committee. Journalist **Susie Neilson** from the UC Berkeley Graduate School for Journalism will discuss her expose on “Unseen: Working in the Shadow of the Golden State” on Monday, June 1 from 3:15 p.m. – 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 **Jayson C. Clinger and Patrick T. O’Shaughnessy** for *Breakthrough Analysis for Filtering Facepiece Respirators Impregnated with Activated Carbon*.

2019 AIHA Bestseller

This award is presented to the editor of the new publication that sold the most copies during the year. The 2019 best seller is presented to **Carter B. Ficklen, III, CIH, CSP**, editor of *Industrial Hygiene Reference & Study Guide*, 4th edition.

2019 Critics’ Choice Award

The Critic’s Choice Award honors a publication completed in 2019. The AIHA Publications Committee evaluates all publications and selects one to recognize for their impact on the profession, originality, and quality of writing. This year’s recipients are **Sheree L. Gibson, Mary O’Reilly, Marjorie K. Werrell, and Cathy White**, the editors of *An Ergonomics Guide to Computer Workstations*, 3rd edition.

AIHA® Local Section Awards

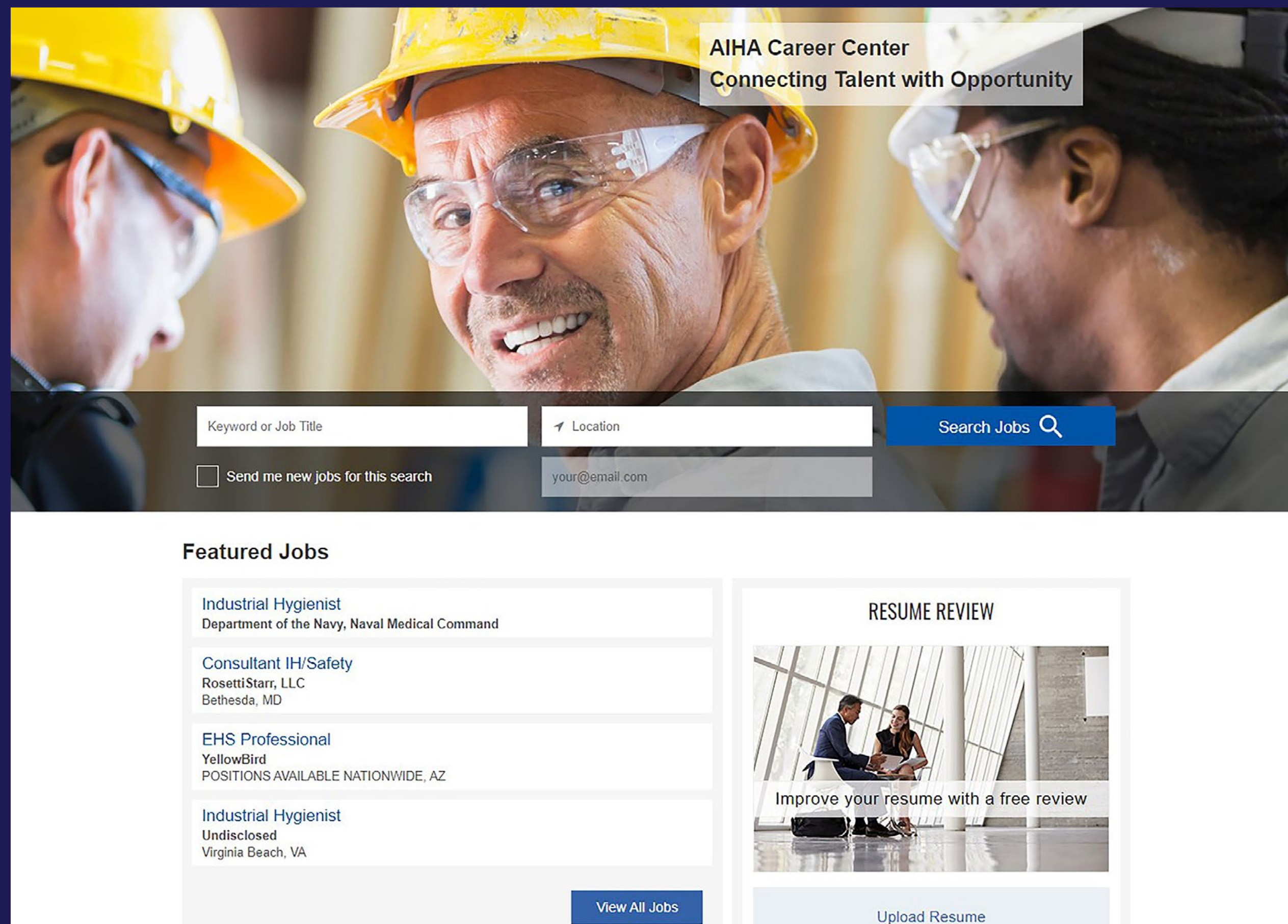
Michigan Industrial Hygiene Society Best Paper Award

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 **Michael S. Bergman, Ziging Zhuang, Susan Shuhong Xu, Samy Rengasamy, Robert B. Lawrence, Brenda Boutin, and James R. Harris** for *Assessment of Respirator Fit Capability Test Criteria for Full-Facepiece Air-Purifying Respirators*.

Special Recognition Minority Special Interest Group (MSIG) Special Milestone

This year AIHA’s MSIG is celebrating its 20th Anniversary. Since its inception, MSIG has helped to address issues and concerns that uniquely affect minorities and individuals from underserved communities. Cheers to MSIG on achieving this special achievement and many wishes for future success!





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PDCs At A Glance

Thursday, June 4

9:00 a.m. – 1:00 p.m.

- PDC 402: Identifying and Quantifying Post Fire and Post Urban Wildfire Hazards – **NEW!** - Day 1

2:00 p.m. – 6:00 p.m.

- PDC 603: Beyond Banding – Estimating Health-Based Limits for Data Poor Chemicals – **NEW!**

Friday, June 5

9:00 a.m. – 1:00 p.m.

- PDC 402: Identifying and Quantifying Post Fire and Post Urban Wildfire Hazards – **NEW!** - Day 2

2:00 p.m. – 6:00 p.m.

- PDC 504: Evaluating Indoor Surface Contamination

Monday, June 8

2:00 p.m. – 6:00 p.m.

- PDC 107: Emissions, Exposure, and Health Impact of 3D Printing Processes – **NEW!**

Tuesday, June 9

9:00 a.m. – 6:00 p.m.

- PDC 117: Assessment, Sampling, and Testing for Indoor Microbes – **NEW!**

Wednesday, June 10

9:00 a.m. – 6:00 p.m.

- PDC 406: Optimizing Ventilation Systems for Labs

Thursday, June 11

9:00 a.m. – 1:00 p.m.

- PDC 850: Focus on Health and Safety – An EHS Photographic Audit for Young Professionals

2:00 p.m. – 6:00 p.m.

- PDC 903: Hearing Loss Prevention Program Manager by CAOHC – **NEW!**

Friday, June 12

2:00 p.m. – 6:00 p.m.

- PDC 501: Introduction to IH Mod 2.0 – Exposure Modeling to Address Variability and Uncertainty – **NEW!**



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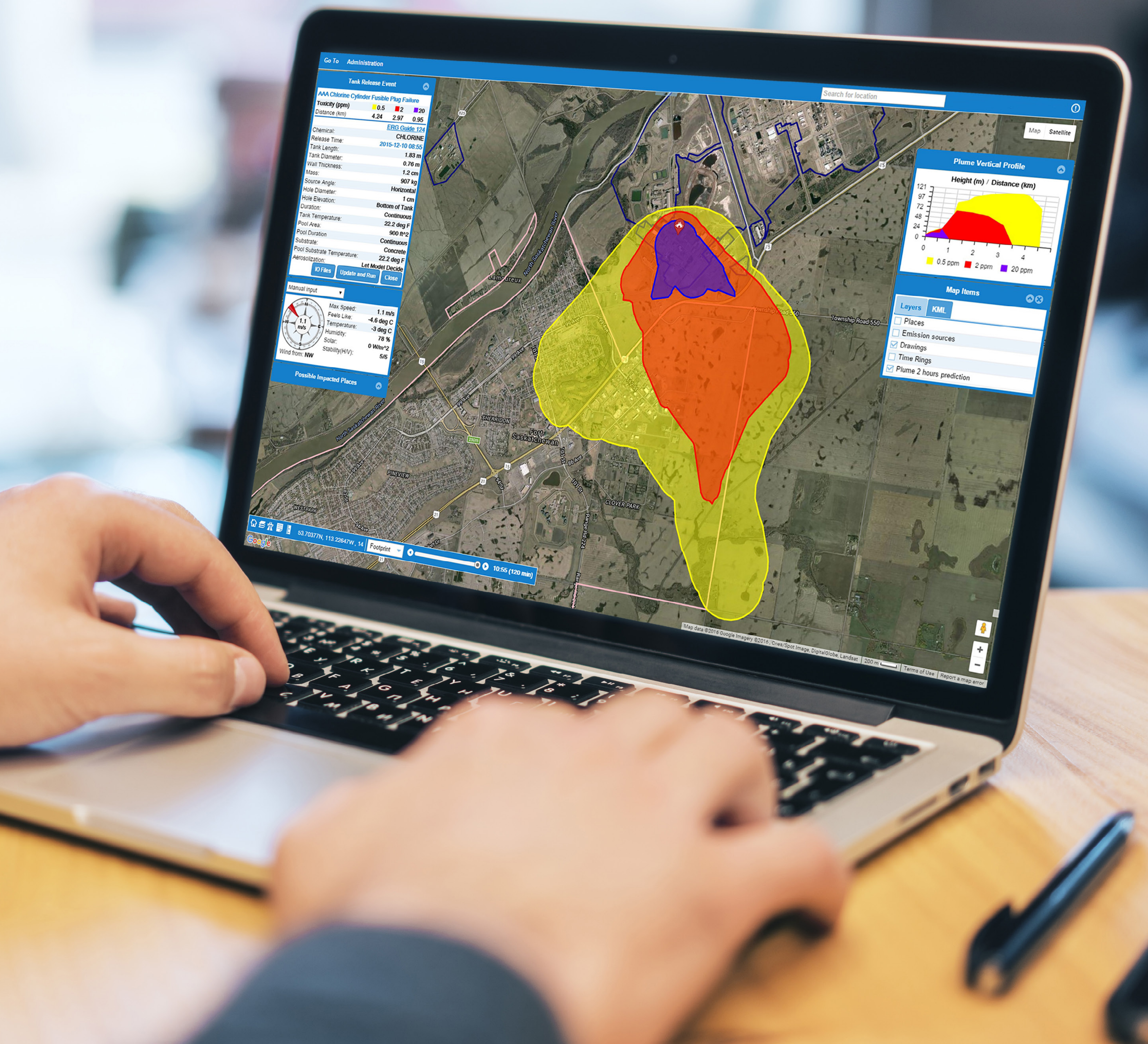
Gain a deeper understanding of the concepts that underlie IH sampling and analysis.

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Monday At A Glance

Monday, June 1

8:00 a.m. – 9:30 a.m.

Opening General Session – Harnessing the Power of Courage



**René
Rodriguez**

Dynamic Keynote
Speaker, Leadership
Advisor, World Class
Sales Expert, and
Renowned Speaking
Coach

Opening Session
sponsored by

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● All Day
Exhibitor Directory is live

10:00 a.m. – 11:00 a.m.

- A5: Sampling and Analytical Challenges in Meeting Ever Lower OELs for Metals and Metalloids

- A6: Risks to Occupational Safety and Health at 5G Speeds
- A10: Safety's Competitive Advantage and the Future of the Safety, Health, and Environmental Profession
- The International Trajectory of SARS-CoV-2 & COVID-19: From Localized Epidemic in China to Pandemic End-Phase

11:15 a.m. – 12:15 p.m.

- B1: Community and Workplace Exposures to Toxic Gases – Current Research
- B3: Safety Management Updates
- B11: Results of Interesting and Unusual NIOSH Health Hazard Evaluations
- B12: Total Exposure Health® The Role of the IH in the Future of Exposure Management
- B13: Why We Can, Must, and Will Become Better Leaders
- [Poster Session 1 - Poster Viewing Time](#)

12:30 p.m. – 1:30 p.m.

- Lunch and Learn
With DuPont Personal
Protection: Protective
Apparel in a COVID-19
World

DUPONT

12:30 p.m. – 1:00 p.m.

Exhibitor Learning Pavilions

- A Simple Air Monitoring
Plan for Respirator Selection
presented by Assay Technology, Inc.

**assay
technology**

- Be Prepared in Less Time – Fit
Testing Respirators with OSHA's
2½ Minute CNC Protocols and
PortaCount Instruments *presented by TSI*

TSI

- Solving Air Quality Issues With FTIR Gas
Analyzer *presented by Gaset*

gaset

- The New NoiseCHEK
Dosimeter by SKC – Noise
Measurement Made Simple
presented by SKC

SKC

1:15 p.m. – 1:45 p.m.

Exhibitor Learning Pavilions

- Effective Chemical Hazard
Communication and Business
Related Changes for the New Normal
presented by Sphera

sphera

- Improving Efficiency and Flexibility
of IAQ Investigations – Combining
Mass and Gas Measurements
presented by TSI

TSI

- Oil Mist and Metalworking
Fluid Exposure Measurements *presented by
Kanomax*

KANOMAX
The Ultimate Measurements

- The New IH for the New
Normal *presented by SGS*

SGS GALSON

2:00 p.m. – 3:00 p.m.

- C1: Research in Laboratories
- C6: A Simplified Process for Demystifying IH
Programs
- C7: Reliable Mass Balance Models in the
Current U.S. Regulatory Environment and
Application of Engineering Principles to
Improve Generation Rate Estimations

- C10: Implications of Real World Usage
Conditions of Electronic Cigarette Emissions

3:15 p.m. – 4:15 p.m.

- D1: Research in Dust
- D5: Nanotechnology and Aerosols
- D7: Framing Risk as a Social Field
- D10: New NIOSH Method Using Evacuated
Canisters for Exposure and Indoor Air Quality
Monitoring
- D11: Upton Sinclair Lecture — Unseen:
Working in the Shadow of the Golden State
- [Student Poster Session - Poster Viewing Time](#)

4:30 p.m. – 5:30 p.m.

- Conflict Management Skills for OEHS
Professionals
- D2: Research in Emergency Preparedness
- D8: A Former Front Line Supervisor's Lessons
on Selling Safety
- K5: The Viewpoint of Occupational
Hygienists on Consensus Standards for Small
Business and Large Corporations
- N9: Integrating IH in a Global Occupational
Health Program – A Business Perspective

Monday, June 1, 2020 Sessions



● 8:00 a.m. – 9:30 a.m.

Opening General Session – Harnessing the Power of Courage

Presenter:

René Rodriguez

Dynamic Keynote Speaker, Leadership Advisor, World Class Sales Expert, and Renowned Speaking Coach

We know there are “givers” (above the line) and “takers” (below the line) in life. In this keynote, René Rodriguez introduces the Courage Scale™ as a way to invite others to “live above the line” during difficult times. Rodríguez shares a simple model anyone can use to reframe adversity and harness the power of courage. He connects the Courage Scale™ to fundamental and applicable neuroscience in a way that empowers individuals to face adversity with courage and grace.

Participants will leave with:

- A simple, yet powerful tool to manage their emotional state during hard times
- Tips to help those at home or at work to choose to live “above the line”
- An understanding of how courage is the dividing line between “giving” and “taking”
- Methods to create a culture that lives “above the line.”

Session sponsored by



● All Day

Exhibitor Directory is live

Visit the Virtual AIHce Exhibit Hall or Directory at https://aihce20.mapyourshow.com/8_0/#/.

● 10:00 a.m. – 11:00 a.m.

A5: Sampling and Analytical Challenges in Meeting Ever Lower OELs for Metals and Metalloids

Moderator: Michael Brisson, Savannah River National Laboratory. **Presenters:** Michael Brisson, Savannah River National Laboratory; Katrin Pitzke, Institute for Occupational Safety and Health of the German Social Accident Insurance, Germany; Steven Verpaele, Nickel Institute, Belgium.

A6: Risks to Occupational Safety and Health at 5G Speeds

Presenters: Robert Adams, Robert DeMott, Ramboll US Corporation.

A10: Safety’s Competitive Advantage and the Future of the Safety, Health, and Environmental Profession

Moderator/Presenter: Colin Brown, Board of Certified Safety Professionals.

The International Trajectory of SARS-CoV-2 & COVID-19: From Localized Epidemic in China to Pandemic End-Phase

Presenters: Lawrence Sloan, AIHA; Laurence Svirchev, Svirchev OHS Management, Canada; John Howard, National Institute for Occupational Safety and Health.

● 11:15 a.m. – 12:15 p.m.

B1: Community and Workplace Exposures to Toxic Gases – Current Research

Moderator: Heather Avens, Insight Exposure & Risk Sciences Group.

11:15 a.m.–11:35 a.m.

Assessing Community Health Risks Related to Ethylene Oxide Emissions in Willowbrook, Illinois. Benjamin Chandler, GHD Services, Inc.

11:35 a.m.–11:55 a.m.

Carbon Dioxide Levels and Teachers’ Perceived Air Quality and Well-Being in NYC Elementary Schools. Leon Levine, Ecothink Group, LLC.

11:55 a.m.–12:15 p.m.

Workplace Exposures to Carbon Dioxide in a Craft Brewery – Using a Novel Data Collection System. Dave Huizen, Grand Valley State University.

Monday, June 1, 2020 Sessions

B3: Safety Management Updates

Moderator: Alanna Garrison-Kast, Antea Group.

11:15 a.m. – 11:35 a.m.

An Integrated Approach to Migrate Multiple Sites to ISO 45001 From OHSAS 18001. Craig Torres, Lockheed Martin.

11:35 a.m. – 11:55 a.m.

Insight into the Safety Climate at Restaurants in Ontario, Canada. Chun-Yip Hon, Ryerson University, Canada.

11:55 a.m. – 12:15 p.m.

The Rural Alaska Occupational Safety and Health Program. Christopher Fish, Alaska Native Tribal Health Consortium.

BII: Results of Interesting and Unusual NIOSH Health Hazard Evaluations

Moderator: Leonard Zwack, CDC/NIOSH.

Presenters: Michael Grant, Eric Glassford, CDC/NIOSH.

BI2: Total Exposure Health – The Role of the IH in the Future of Exposure Management

Moderator: Ben Kollmeyer, Forensic Analytical Consulting Services. **Presenters:** Kirk Phillips, LJB Inc.; John Suter, Assured Health and Safety Solutions, LLC; Lawrence Sloan, AIHA.

BI3: Why We Can, Must, and Will Become Better Leaders

Presenters: Jason Kunz, 3M; Justin Hoover, Steel Dynamics, Inc.

Poster Session I – Poster Viewing Time

Topics: Aerosols, Exposure Assessment Strategies, IH Profession, Indoor Environmental Quality/Indoor Air Quality, Nanotechnology, Sampling and Analysis.

See <https://www.aihceexp.org/2020/virtual-poster-sessions-2020> to review the posters on these topics and full abstracts.

● 12:30 p.m. – 1:30 p.m.

Lunch and Learn With DuPont Personal

Protection: Protective

Apparel in a COVID-19 World

Presenters: Dan Bowen, Mark Tartaglia, Daniel Hammel, DuPont Personal Protection.



● 12:30 p.m. – 1:00 p.m.

Exhibitor Learning Pavilions

A Simple Air Monitoring Plan for Respirator



Selection presented by Assay Technology, Inc.

Be Prepared in Less Time – Fit Testing Respirators with OSHA's 2½ Minute CNC Protocols and



PortaCount Instruments presented by TSI

Solving Air Quality Issues With FTIR Gas Analyzer



presented by Gasmeter

The New NoiseCHEK Dosimeter by SKC—Noise Measurement Made Simple



presented by SKC

● 1:15 p.m. – 1:45 p.m.

Exhibitor Learning Pavilions

Effective Chemical Hazard Communication and Business Related Changes for the New Normal presented by Sphera



Improving Efficiency and Flexibility of IAQ Investigations – Combining Mass and Gas Measurements presented by TSI



Oil Mist and Metalworking Fluid Exposure Measurements presented by Kanomax



The New IH for the New Normal presented by SGS



Monday, June 1, 2020 Sessions

2:00 p.m. – 3:00 p.m.

CI: Research in Laboratories

Moderator: Penney Stanch, Baer Engineering and Environmental Consulting.

2:00 p.m.–2:20 p.m.

Assessing the Spatiotemporal Distribution and Flow of Volatile Organic Compounds Within a Laboratory. Kenneth Brown, NIOSH.

2:20 p.m.–2:40 p.m.

Practicalities of Transforming a Long Abandoned University Science Lab Incinerator Shaft Into a New Pipe Chase. Craig Maunder, Stantec Consulting Ltd., Canada.

2:40 p.m.–3:00 p.m.

The Challenges of Anesthetic Gas Exposure Control in an MIT Animal Imaging Facility. Iraj Aalaei, MIT.

C6: A Simplified Process for Demystifying IH Programs

Presenter: Dave Risi, VelocityEHS.

C7: Reliable Mass Balance Models in the Current U.S. Regulatory Environment and Application of Engineering Principles to Improve Generation Rate Estimations

Moderator: Josh Maskrey, Cardno ChemRisk. **Presenters:** Josh Maskrey, Laura Hallett, Cardno ChemRisk.

CIO: Implications of Real World Usage Conditions of Electronic Cigarette Emissions

Moderator: Evan Floyd, University of Oklahoma. **Presenters:** Evan Floyd, Changjie Cai, Toluwanimi Oni, University of Oklahoma.

● 3:15 p.m. – 4:15 p.m.

DI: Research in Dust

Moderator: Nancy Johnson, University of Kentucky College of Public Health.

3:15 p.m.–3:35 p.m.

Comparison Between OSHA Combustible Dust Directive, NFPA Combustible Dust Methodologies, and ASTM Guidelines. John Passero, EMSL Analytical.

3:35 p.m.–3:55 p.m.

Epidemiological Study Evaluating Health Effects of Copper Dust Exposures Among Workers of a German Copper Smelter. Lisa-Marie Theis, Ramboll Deutschland GmbH, Germany.

3:55 p.m.–4:15 p.m.

Calibrating Direct Reading Photometers for Airborne Dust. Karl Braun, Cleveland-Cliffs, Inc.

D5: Nanotechnology and Aerosols

Moderator: Lorenzo Cena, West Chester University. **Presenters:** Lorenzo Cena, West Chester University; Emanuele Cauda, CDC/NIOSH; Patrick O'Shaughnessy, University of Iowa.

D7: Framing Risk as a Social Field

Moderator/Presenter: Charles Redinger, Redinger 360, Inc.

DIO: New NIOSH Method Using Evacuated Canisters for Exposure and Indoor Air Quality Monitoring

Moderator: Ryan LeBouf, NIOSH. **Presenters:** Ryan LeBouf, Dru Buns, NIOSH; Alan Rossner, Clarkson University.

DII: Upton Sinclair Lecture

Presenter: Susie Neilson, UC Berkeley Graduate School of Journalism.

Student Poster Session – Poster Viewing Time

Topics: Real-time Particulate Monitoring, Aerosols, Heat Stress, Vapor Analysis, Nanoparticles, Personal Protective Equipment, and more!

See <https://www.aihceexp.org/2020/virtual-poster-sessions-2020> to review the posters on these topics and full abstracts.

Monday, June 1, 2020 Sessions

● 4:30 p.m. – 5:30 p.m.

Conflict Management Skills for OEHS Professionals

Moderator/Presenter: Celia Booth, Booth-McCaffery LLC.

D2: Research in Emergency Preparedness

Moderator: Dariusz Szewczak, Antea Group.

3:15 p.m.–3:35 p.m.

Application of Mounting Personal PID VOC Sensors to Small Unmanned Aircraft Systems to Aid First Responders. Cheri Marcham, Embry-Riddle Aeronautical University.

3:35 p.m.–3:55 p.m.

Development of a Personnel Dry Decontamination System for Emergency Response. Barbara Alexander, NIOSH.

3:55 p.m.–4:15 p.m.

Exposure Controls and Emergency Preparedness for Ammonia Refrigeration Systems. Lesley Clements, Wood Environment & Infrastructure Solutions, Canada.

D8: A Former Front Line Supervisor's Lessons on Selling Safety

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

K5: The Viewpoint of Occupational Hygienists on Consensus Standards for Small Business and Large Corporations

Moderator: Andrey Korchevskiy, C&IH, Inc. **Presenters:** Mary O'Reilly, ARLS Consultants/SUNY School of Public Health at Albany and Workplace Health Without Borders; John Suter, Assured Health and Safety Solutions, LLC; Nicola Watson, Markes International.

N9: Integrating IH in a Global Occupational Health Program – A Business Perspective

Moderator: Pauline Rotich, ExxonMobil. **Presenters:** Richard Gelatt, Robert Tutt, Lynn Rudd Jr., ExxonMobil Corporation.



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Tuesday At A Glance

Tuesday, June 2

8:00 a.m. – 9:00 a.m.

- E3: Moisture Intrusions, Risk, and IH in Modular Construction
- E6: An Implementation Guide to EHS Leading Indicators
- E9: The Real Value of Industrial Hygiene in Gold Mining
- E10: Why Male Mental Health Matters in the Workplace
- E11: The Challenge With Situational Awareness

● **All Day**
Exhibitor Directory is live

9:15 a.m. – 9:45 a.m.

Exhibitor Learning Pavilions

- Personal Monitoring in a Distanced World, and How Casella Technology Can Help
presented by Casella
- Draeger X-am 8000 Product Overview
presented by Draeger
- How to Easily Track and Record Exposure Data
presented by Industrial Scientific

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10:00 a.m. – 11:00 a.m.

- F7: Integrating IH Into an ISO 45001 Management System
- F8: Museum Risk Management – Collection Fire Safety and Historic Structure Asbestos-Lead Surveys, Part 1
- F11: Wildfires and EHS Impact – Communities and Post-Fire Debris Clean-Up
- F12: Ethical Considerations of Collecting and Managing Data for Total Worker Health
- K9: Emerging Health and Safety Issues in Construction

11:15 a.m. – 12:15 p.m.

- G4: Risks, Rewards, Regulatory Challenges, and Recent Events With Electronic Cigarettes
- G8: Museum Risk Management – Collection Hazard Identification and Exposure Assessment, Part 2
- G9: Confined and Enclosed Space Entries With Fatal Outcomes
- G12: Practical Takeaways on Getting Started With Total Worker Health
- G13: Hearing Loss Prevention — What Have You Done for the Worker Today?
- [Poster Session 2 - Poster Viewing Time](#)

12:45 p.m. - 1:45 p.m.

- Lunch and Learn With Draeger: In-Depth Discussions on APR and Gas Detection PID/GC Technology

Draeger

2:00 p.m. – 3:00 p.m.

- H1: Research Projects on Protecting Firefighters and Oil and Gas Workers
- H3: Risk Versus Reality of Mercury in Rubberized Flooring
- H8: A Standardized Approach for Effective Occupational Exposure Control of Equipment Operator Enclosures
- H9: How Health and Safety Professionals Can Help Avoid Panic and Confusion in the Face of Uncertainty
- I12: The Role of the NextGen IH in TWH/TWE/TEH

3:15 p.m. – 4:15 p.m.

- G3: Influencing Skills for HSE Professionals
- I4: Current and Future Applications of Sensors for Chemical Detection
- I5: What IH and OHS Professionals Should Know About Immunizations
- I8: How to Identify and Control Flash Fire and Explosion Hazards

- J12: Engaging Front-Line Workers in Designing Solutions That Promote Workplace Safety, Health, and Well-Being

4:30 p.m. – 5:30 p.m.

- H6: Using Retrospective Exposure Profiles to Assist in Proving Cases of Occupational Diseases for Workers Compensation Claims
- J2: Health Care Research
- J8: The Effectiveness of Air Change Rates to Control Occupational Exposure in Critical Work Spaces
- K7: Delivering Results and Growing Capacity in Global EHS
- How Can the Total Worker Health® Framework Prepare Organizations for Optimal Pandemic and Disaster Response, Survival, and Recovery

5:45 p.m. – 6:45 p.m.

- COVID-19 Aerosol Transmission – Biological Plausibility, Control Banding to Preserve PPE and Putting Controls Into Practice
- Emotional Intelligence/Self-Awareness Concepts for OEHS Professionals
- F2: Welding Research
- F10: Suicide Prevention in the Construction Industry
- H4: Real-World Applications of Portable FTIR Gas Analysis at an Academic Medical Center

Tuesday, June 2, 2020 Sessions

- All Day
Exhibitor Directory is live

Visit the Virtual AIHce Exhibitor Directory at https://aihce20.mapyourshow.com/8_0/#/.

- 8:00 a.m. – 9:00 a.m.
E3: Moisture Intrusions, Risk, and IH in Modular Construction

Moderator: Mike Smith, Wood Environment and Infrastructure Solutions, Inc. **Presenters:** Michelle David, Mike Smith, Wood Environment and Infrastructure Solutions, Inc.

- **E6: An Implementation Guide to EHS Leading Indicators**

Presenters: Joy Inouye, Campbell Institute – National Safety Council.

- **E9: The Real Value of Industrial Hygiene in Gold Mining**

Moderator: Andrey Korchevskiy, C&IH, Inc. **Presenters:** Frank Roberto, Newmont Corporation; Jonny Oravec, Newmont Goldcorp Inc.

- **E10: Why Male Mental Health Matters in the Workplace**

Moderator/Presenter: Bernard Fontaine Jr., The Windsor Consulting Group, Inc.

- **E11: The Challenge With Situational Awareness**

Moderator/Presenter: Donald Groover, Dekra Consulting.

- 9:15 a.m. – 9:45 a.m.
Exhibitor Learning Pavilions

Personal Monitoring in a Distanced World, and How Casella Technology Can Help
presented by Casella

CASELLA

Draeger X-am 8000 Product Overview *presented by Draeger*

Dräger

How to Easily Track and Record Exposure Data
presented by Industrial Scientific

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- 10:00 a.m. – 11:00 a.m.
F7: Integrating IH Into an ISO 45001 Management System

Moderator/Presenter: Paul Esposito, STAR Consultants.

- **F8: Museum Risk Management – Collection Fire Safety and Historic Structure Asbestos-Lead Surveys, Part I**

Moderator: Kathryn Makos, Smithsonian Institution (ret). **Presenters:** Michael Kilby, Smithsonian Institution; Brandy Howard, Landmark Environmental, Inc.; Margaret Skimina, Art Institute of Chicago.

- **F11: Wildfires and EHS Impact – Communities and Post-Fire Debris Clean-Up**

Moderator: Mark Ames, AIHA. **Presenters:** Michelle Rosales, Forensic Analytical Consulting; Scott Brueck, CDC/NIOSH, Hazard Evaluations & Technical Assistance Branch.

- **F12: Ethical Considerations of Collecting and Managing Data for Total Worker Health**

Moderator: Lisa Greene, RTI International. **Presenters:** Lisa Greene, RTI International; Emanuele Cauda, NIOSH and Donna Heidel, AIHA Board of Directors.

- **K9: Emerging Health and Safety Issues in Construction**

Moderator/Presenter: Barbara Epstien, AGC Oregon-Columbia Chapter.

- 11:15 a.m. – 12:15 p.m.
G4: Risks, Rewards, Regulatory Challenges, and Recent Events With Electronic Cigarettes

Moderator: Changjie Cai, University of Oklahoma. **Presenters:** Evan Floyd, Toluwanimi Oni, University of Oklahoma.

- **G8: Museum Risk Management – Collection Hazard Identification and Exposure Assessment, Part 2**

Moderator: Jeffrey Sotek, Wood Environment & Infrastructure Solutions, Inc. **Presenters:** Jeffrey Sotek, Wood Environment & Infrastructure Solutions, Inc.; Kimberly Harmon, Smithsonian Institution; Kathryn Makos, Smithsonian Institution (ret).

- **G9: Confined and Enclosed Space Entries With Fatal Outcomes**

Moderator: Bonnie Lockhart, Ameren. **Presenter:** Anthony Oliveri, Michigan State University.

Tuesday, June 2, 2020 Sessions

GI2: Practical Takeaways on Getting Started With Total Worker Health

Presenter: Jenn Cavallari, University of Connecticut, School of Medicine.

GI3: Hearing Loss Prevention – What Have You Done for the Worker Today?

Presenter: William Murphy, CDC/NIOSH.

Poster Session 2 – Poster Viewing Time

Topics: Construction, Engineering Controls and Ventilation, Exposure Assessment Strategies, IH Profession, Indoor Environmental Quality/Indoor Air Quality, Risk Assessment and Management, Sampling and Analysis

See <https://www.aihceexp.org/2020/virtual-poster-sessions-2020> to review the posters on these topics and full abstracts.

● 12:45 p.m. – 1:45 p.m.
Lunch and Learn With Draeger: In-Depth Discussions on APR and Gas Detection PID/GC Technology

Moderator: Mark Heuchert, Drager.
Presenter: Ed Ligus, Drager.

● 2:00 p.m. – 3:00 p.m.
HI: Research Projects on Protecting Firefighters and Oil and Gas Workers

Moderator: Celia Booth, Booth-McCaffery LLC.

2:00 p.m.–2:20 p.m.

Update on HSE Issues in Shale Gas Storage Tank Gauging. Paul Haas, Building Dynamics, LLC.

2:20 p.m.–2:40 p.m.

An Investigation of Diesel Exhaust Emissions Within Fire Stations. Courtney Gendron, Golder Associated Limited, Canada.

2:40 p.m.–3:00 p.m.

Survival of MRSA on the Outer Shell of Firefighters' Turnout Gear After Sanitation in a Commercial Washer/Extractor. Daniel Farcas, Hillis-Carnes Capitol Services, PLLC.

Dräger

H3: Risk Versus Reality of Mercury in Rubberized Flooring

Presenters: Alan Lloyd, Pennoni; Michael Menz, Menz Industrial Hygiene Services.

H8: A Standardized Approach for Effective Occupational Exposure Control of Equipment Operator Enclosures

Moderator: Alyssa Ehman, Aura Health & Safety, Canada. **Presenters:** Alyssa Ehman, Aura Health & Safety, Canada; Jeffrey Moredock, International Society of Environmental Enclosure Engineers; Shane Owen, Nevada Gold Mines.

H9: How Health and Safety Professionals Can Help Avoid Panic and Confusion in the Face of Uncertainty

Moderator: Alan Rossner, Clarkson University. **Presenters:** Bill Beadie, Maul Foster & Alongi, Inc.; Fred Boelter, Benjamin Heckman, RHP Risk Management Inc.

II2: The Role of the NextGen IH in TWH/TWE/THE

Moderator: Deborah Nelson, Retired. **Presenters:** Jennifer Sahmel, Insight Exposure and Risk Sciences; Chris Laszcz-Davis, The Environmental Quality Organization, LLC; Kirk Phillips, LJB Inc.

● 3:15 p.m. – 4:15 p.m.
G3: Influencing Skills for HSE Professionals

Moderator: Paul Pirkle, Battelle. **Presenter:** Carl Sall, WSP.

I4: Current and Future Applications of Sensors for Chemical Detection

Moderator: Dina Siegel, LANL. **Presenters:** Philip Smith, USDOL – OSHA; Steven Jahn, Jahn Industrial Hygiene LLC.

I5: What IH and OHS Professionals Should Know About Immunizations

Moderator: John Martinelli, Forensic Analytical Consulting Services. **Presenter:** Roberta Smith, Axion Health.

Tuesday, June 2, 2020 Sessions

I8: How to Identify and Control Flash Fire and Explosion Hazards

Moderator/Presenter: Vahid Ebadat, Stonehouse Process Safety.

J12: Engaging Front-Line Workers in Designing Solutions That Promote Workplace Safety, Health, and Well-Being

Presenter: Suzanne Nobrega, University of Massachusetts, Lowell.

● 4:30 p.m. – 5:30 p.m.

H6: Using Retrospective Exposure Profiles to Assist in Proving Cases of Occupational Diseases for Workers Compensation Claims

Moderator: James Miuccio, Occupational Health Clinics for Ontario Workers, Canada.

Presenters: James Miuccio, Sonia Lal, Occupational Health Clinics for Ontario Workers, Canada.

J2: Health Care Research

Moderator: Megan Canright, Forensic Analytical Consulting Services.

4:30 p.m.–4:50 p.m.

Progress on Legionellosis in New York Since the Implementation of

Regulations. Megan Canright, Forensic Analytical Consulting Services.

4:50 p.m.–5:10 p.m.

Hospital Case Studies of Good Water Going Bad. Jennifer Clancy, ESPRI.

5:10 p.m.–5:30 p.m.

One Organization's USP 800 Implementation Journey. Russel Sinor, Mayo Clinic.

J8: The Effectiveness of Air Change Rates to Control Occupational Exposure in Critical Work Spaces

Moderator: Mahdi Fahim, North Carolina State University. **Presenters:** Thomas Smith, 3Flow; Clifford Cooper, Cove Global Management LLC.

K7: Delivering Results and Growing Capacity in Global EHS

Moderator: Chris Laszcz-Davis, The Environmental Quality Organization, LLC. **Presenters:** Richard Hirsh, Nektar Therapeutics; Kevin Hedges, Occupational Health Clinics for Ontario Workers Inc., Canada; M. Rene LeBlanc, IOHA, Canada; Alan Leibowitz, EHS Systems Solutions; Steven Thygerson, Brigham Young University; Lawrence Sloan, AIHA.

How Can the Total Worker Health® Framework Prepare Organizations for Optimal Pandemic and Disaster Response, Survival, and Recovery

Presenters: Fred Boelter, RHP Risk Management Inc.; Casey Chosewood, NIOSH; Diane Rohlman, University of Iowa; Lauralynn McKernan, NIOSH.

● 5:45 p.m. – 6:45 p.m.

COVID-19 Aerosol Transmission – Biological Plausibility, Control Banding to Preserve PPE and Putting Controls Into Practice

Presenters: Rachael Jones, The University of Utah; Margaret Sietsema, University of Illinois at Chicago; Lisa Brosseau, Colfax South LLC.

Emotional Intelligence/Self-Awareness Concepts for OEHS Professionals

Presenter: Tim Paz, Architect of the Capitol.

F2: Welding Research

Moderator: Karen Jones, Gulf Coast HSE Consulting Services, LLC.

10:00 a.m.–10:20 a.m.

Advanced Impact Analysis – Potential Changes to Weld Fume Carcinogenicity Designation. Daniel Chute, Services and Solutions East Inc.

10:20 a.m.–10:40 a.m.

Particle Size-Selective Sampling for Manganese Fumes During Welding Operations. Priscilla Yung, Lawrence Livermore National Laboratory.

10:40 a.m.–11:00 a.m.

A Retrospective Exposure Assessment Study of Welding in Confined Spaces. Jerome Spear, J.E. Spear Consulting.

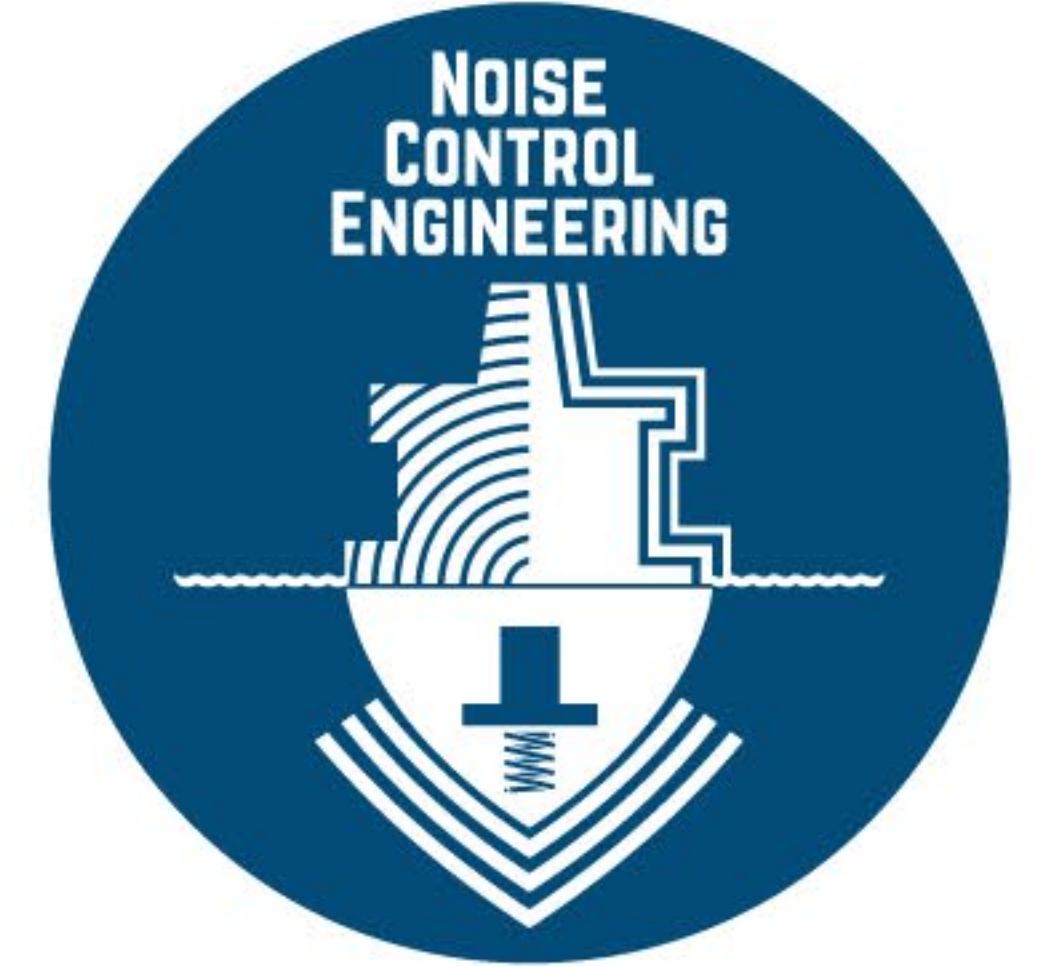
F10: Suicide Prevention in the Construction Industry

Moderator: Carl Heinlein, American Contractors Insurance Group. **Presenter:** Donald Garvey, Merjent, Inc.

H4: Real-World Applications of Portable FTIR Gas Analysis at an Academic Medical Center

Moderator: Nicole Greeson, Duke University Health System. **Presenter:** Stephanie Caler, Duke University Health System.

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Wednesday At A Glance

Wednesday, June 3

8:00 a.m. – 9:00 a.m.

- G1: Opioid Research and Programs
- K3: Interesting OSHA Health Cases, Part 1
- K6: Exposure Limit Setting and Controls Validation for Hexavalent Chromium During Welding Activities
- K8: A Comprehensive Review of OSHA 1910.146 CSE
- K12: The Occupational Health Psychology Perspective of Health, Safety, and Well-Being at Work

● **All Day**
Exhibitor Directory is live

9:15 a.m. – 10:15 a.m.

- L3: Interesting OSHA Health Cases, Part 2
- L4: Sensitization and the Built Environment – Connecting Research and Practice
- L8: Leadership Lecture – Measuring the Right People on the Right Things
- L12: Using BioErgo Surveillance in Total Worker Health
- Safe Return to Work in the Time of COVID-19: Three Occupational Hygienists Speak Out

Click on the course or session title to get to the full description on the AIHce EXP website.



10:30 a.m. – 11:30 a.m.

- L11: What's New in Accredited Laboratory Testing, Part 2 – Applying Risk-Based Thinking in Laboratories
- M3: Interesting OSHA Health Cases Facts From the Field, Part 3
- M4: The Future of Machine Learning in IH – Modern Predictive Modeling Approaches
- M12: Decision Making in Managing Risk – Navigating the Prickly and Paradoxical
- [Poster Session 3 - Poster Viewing Time](#)

11:45 a.m. – 12:45 p.m.

- Lunch and Learn With **INDUSTRIAL SCIENTIFIC**
Industrial Scientific: How to Build a Chemical Emergency Toolkit

1:00 p.m. – 2:00 p.m.

- N1: Exposures Research – Wildfire and E-Cigarettes
- N6: Compliance Requirements of NFPA 652 Standard on Combustible Dust – Present and Future
- N10: An Evaluation of Common Chemical Contaminants in the Air
- N12: How to Develop and Foster a Sustainable Culture of Health in Business

2:15 p.m. – 3:15 p.m.

- O1: Air Sampling Research Updates
- O2: Research Updates – Community Exposures and Methods of Detection
- O5: Ergonomics Truths and Myths – What You Need to Know
- O7: Electrostatic Spark Hazards – The Nature of the Problem and Practical Measures for Its Control
- O12: The Future of Work and the Re-Imagined Industrial Hygiene Profession

3:30 p.m. – 4:45 p.m.

Closing Session – The Neuroscience of Influence



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Wednesday, June 3, 2020 Sessions

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Visit the Virtual AIHce Exhibitor Directory at https://aihce20.mapyourshow.com/8_0/#/.

● **8:00 a.m. – 9:00 a.m.**
G1: Opioid Research and Programs

8:00 a.m.–8:20 a.m.

NIEHS Worker Training Program – Opioids and the Workplace: Prevention and Response. Jonathan Rosen, National Clearinghouse for Worker Safety & Health Training.

8:20 a.m.–8:40 a.m.

The Assessment and Decontamination of Opioid Contaminated Residences. Michael Polkabila, BioMax Environmental, Inc.

8:40 a.m. – 9:00 p.m.

AIHA Opioids Working Group and the PPE Conundrum. Peter Harnett, Leidos SERAS.

K3: Interesting OSHA Health Cases, Part I

Moderator: Lewis Daniel, US DOL – OSHA.
Presenters: Matthew Amick, Adam Gerson, US DOL – OSHA.

K6: Exposure Limit Setting and Controls Validation for Hexavalent Chromium During Welding Activities

Moderator: Brent Haddow, ExxonMobil.
Presenters: Sara Webb, Melannie Alexander, Jennifer Shin, ExxonMobil Biomedical Sciences.

K8: A Comprehensive Review of OSHA 1910.146 CSE

Moderator/ Presenter: Mark Heuchert, Dräger.

K12: The Occupational Health Psychology Perspective of Health, Safety, and Well-Being at Work

Moderator/Presenter: Christopher Cunningham, The University of Tennessee at Chattanooga/Society for Occupational Health Psychology.

● **9:15 a.m. – 10:15 a.m.**
L3: Interesting OSHA Health Cases, Part 2

Moderator: Lewis Daniel, US DOL – OSHA.
Presenters: Edward Parsons, Marcelina Santiago, OSHA/DOL.

L4: Sensitization and the Built Environment – Connecting Research and Practice

Moderator: Michael Amster, M.B. Amster & Associates, Inc. **Presenters:** Eva King, AURA EnviroScience LLC; Michael Amster, M.B. Amster & Associates, Inc.

L8: Leadership Lecture – Measuring the Right People on the Right Things

Moderator: Joy Erdman, Joy Solutions, LLC.
Presenter: Paul Esposito, STAR Consultants.

LI2: Using BioErgo Surveillance in Total Worker Health

Moderator: Karen O'Hara, WorkCare, Inc.
Presenters: Anthony Harris, WorkCare, Inc.; Ryan Sims, LyondellBasell.

Safe Return to Work in the Time of COVID-19: Three Occupational Hygienists Speak Out

Presenters: Garrett Brown, Maquiladora Health & Safety Support Network; Jonathan Rosen, National Clearinghouse for Worker Safety & Health Training; Eltaneice Bolden, General Motors.

10:30 a.m. – 11:30 a.m.
LII: What's New in Accredited Laboratory Testing, Part 2 – Applying Risk-Based Thinking in Laboratories

Moderator/Presenter: Bob Lieckfield Jr., CRL, LLC.

M3: Interesting OSHA Health Cases Facts From the Field, Part 3

Moderator: Lewis Daniel, US DOL - OSHA.
Presenters: Jeffrey Prebish, Seandra Williams, US DOL-OSHA.

Wednesday, June 3, 2020 Sessions

M4: The Future of Machine Learning in IH – Modern Predictive Modeling Approaches

Moderator: James Harrington, RTI International. **Presenters:** Edward Preble, RTI International; Javad Roostaei, Indiana University.

MI2: Decision Making in Managing Risk – Navigating the Prickly and Paradoxical

Moderator: Charles Redinger, Redinger 360, Inc.; Fred Boelter, RHP Risk Management Inc.; Mary O'Reilly, ARLS Consultants/SUNY School of Public Health at Albany and Workplace Health Without Borders.

Poster Session 3 – Poster Viewing Time

Topics: Changing Workforce Demographics/Environment/Total Worker Health, Communication and Training, Exposure Assessment Strategies, Exposure Banding/Occupational Exposure Limits, Healthcare, Laboratory Health and Safety, Occupational and Environmental Epidemiology, Protective Clothing and Equipment/Respiratory Protection, Risk Assessment and Management, Technology

See <https://www.aihceexp.org/2020/virtual-poster-sessions-2020> to review the posters on these topics and full abstracts.

● 11:45 a.m. – 12:45 p.m. Lunch and Learn **INDUSTRIAL** With Industrial **SCIENTIFIC** Scientific: How to Build a Chemical Emergency Toolkit

Presenters: Eric Fishman, Fred Humbert, Industrial Scientific.

● 1:00 p.m. – 2:00 p.m. NI: Exposures Research – Wildfire and E-Cigarettes

Moderator: Steve Eversmeyer, NW Natural.
1:00 p.m. – 1:20 p.m.

Particle Size Distributions and Lung Deposition of Different Compositions of Aerosolized Electronic Cigarette Liquids. Anand Ranpara, CDC/NIOSH.

1:20 p.m. – 1:40 p.m.

Wildfire Smoke Exposure in the Pipeline Industry. Isabel Bacarella, Enbridge.

1:40 p.m. – 2:00 p.m.

OPC vs. Photometer in a Controlled Laboratory and in Wildfire Sampling. Winnie Chu, Nanozen Industries Inc., Canada.

N6: Compliance Requirements of NFPA 652 Standard on Combustible Dust – Present and Future

Moderator/Presenter: Vahid Ebadat, Stonehouse Process Safety.

NIO: An Evaluation of Common Chemical Contaminants in the Air

Moderator/Presenter: Alice Delia, Prism Analytical Technologies.

NI2: How to Develop and Foster a Sustainable Culture of Health in Business

Moderator/Presenter: Charles Redinger, Redinger 360, Inc.

● 2:15 p.m. – 3:15 p.m. OI: Air Sampling Research Updates

Moderator: Karen Jones, Gulf Coast HSE Consulting Services, LLC.

2:15 p.m. – 2:35 p.m.

Sampling and Interpretation Errors in Workplace Aerosol Monitoring. Winnie Chu, Nanozen Industries Inc., Canada.

2:35 p.m. – 2:55 p.m.

A Simple Proposition for Improving Industrial Hygiene Air Sampling Methods. Samuel Paik, Lawrence Livermore National Laboratory.

2:55 p.m. – 3:15 p.m.

Comparison of Air Sampling Methods Currently Available for Peracetic Acid Exposures in Poultry Processing Plants. Jenny Houlroyd, Georgia Institute of Technology.

Wednesday, June 3, 2020 Sessions

02: Research Updates – Community Exposures and Methods of Detection

Moderator: Penney Stanch, Baer Engineering and Environmental Consulting.
2:15 p.m. – 2:35 p.m.

Lead in Drinking Water at North Carolina Child Care Centers – Piloting a Citizen Science-Based Testing Strategy. Keith Levine, RTI International.

2:35 p.m. – 2:55 p.m.

Consideration of Wind Speed Effect on Passive Sampler. Yoshihiro Suzuki, SIBATA Scientific Technology Ltd., Japan.

2:55 p.m. – 3:15 p.m.

Comparison of Different Methodologies for Evaluating Trichloramine Exposures in Indoor Swimming Pools. Elham Ahmadpour, Department of Environmental and Occupational Health School of Public Health, University of Montreal, Canada.

05: Ergonomics Truths and Myths – What You Need to Know

Moderator: Blake McGowan, Humantech, a VelcocityEHS Solution. **Presenters:** Blake McGowan, Humantech, a VelcocityEHS Solution; Sean Gallagher, Auburn University.

07: Electrostatic Spark Hazards – The Nature of the Problem and Practical Measures for Its Control

Moderator/Presenter: Vahid Ebadat, Stonehouse Process Safety.

012: The Future of Work and the Re-Imagined Industrial Hygiene Profession

Moderator/Presenter: Bernard Fontaine Jr., The Windsor Consulting Group, Inc.

● 3:30 p.m. – 4:45 p.m.

Closing General Session – The Neuroscience of Influence



Presenter:

René Rodriguez

Dynamic Keynote Speaker, Leadership Advisor, World Class Sales Expert, and Renowned Speaking Coach

In this highly impactful keynote, Rodriguez breaks down the neuroscience of influence. Learn the range of influence techniques IH/OH professionals can use, including when and how to use them.

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Poster Sessions

For a full list of co-authors and detailed abstracts, visit the AIHce EXP 2020 website at www.aihceexp.org/2020/virtual-poster-sessions-2020.

Poster Session I

Monday, June 1

Viewing Time

11:15 a.m. – 12:15 p.m.

Topics: *Aerosols, Exposure Assessment Strategies, IH Profession, Indoor Environmental Quality/Indoor Air Quality, Nanotechnology, Sampling and Analysis.*

- **1105 - Generation and Characterization of Aerosolized Particles from Nanoclay Composites During Sanding.** Presenter: Eun Gyung (Emily) Lee, NIOSH.
- **1131 - Potential Toxic Effects from Micro- and Nanoplastics — Insights from Occupational Studies.** Presenter: Gregory Zarus, ATSDR/CDC.
- **1150 - Glass Fiber Aerosols Length Separation with Aerodynamic Aerosol Classifier.** Presenter: Taekhee Lee, NIOSH.

- **1173 - Determinations of Potential VOCs in Personal Care Products (PCPs) with Solid-phase Microextraction and GC/MS-MS.** Presenter: Ching-Ting Liu, National Taiwan University, Taiwan.
- **1243 - Occupational Exposure to Respirable Crystalline Silica in Stone Countertop Fabrication Facilities in Georgia.** Presenter: Sean Castillo, Georgia Institute of Technology.
- **1265 - Determinations of Organic Ultraviolet (UV) Filters in Consumer Products by SPME-GC-MS/MS.** Presenter: Ming Chun Kao, National Taiwan University, Taiwan.
- **1374 - Asbestos Exposures Associated with the Use of Drilling Mud Additives.** Presenter: Michael Holton, Ramboll.
- **1377 - Personal Passive Sampling Method for Nitrous Oxide in Air.** Presenter: Jhy-Charm Soo, NIOSH.
- **1528 - Sulfur-containing Amino Acids as Precursors for Hydrogen Sulfide Generation in the Food Industry.** Presenter: David Duffy, Chubb.
- **1541 - Occupational Asbestos Exposure Monitoring of Brake Replacement Activities on All-terrain Vehicles (ATVs).** Presenter: Michael Holton, Ramboll.
- **1639 - Determinations of Airborne Terpenes Using Silicone Wristbands with the Analysis of GC/MS.** Presenter: Shih-Wei Tsai, National Taiwan University, Taiwan.

Student Poster Session

Monday, June 1

Viewing Time

3:15 p.m. – 4:15 p.m.

For authors and full details, visit the AIHce EXP 2020 website at www.aihceexp.org.

Poster Session 2

Tuesday, June 2

Viewing Time

11:15 a.m. – 12:15 p.m.

Topics: *Construction, Engineering Controls and Ventilation, Exposure Assessment Strategies, IH Profession, Indoor Environmental Quality/Indoor Air Quality, Risk Assessment and Management, Sampling and Analysis*

- **1072 - Development of a Wipe Sampling Method for o-Phthalaldehyde.** Presenter: Patrick Dunn, Chubb Environmental Health Laboratory.
- **1074 - Workers' and Managers' Awareness and Perceptions of Safety and Ergonomic Programs in the Construction Industry.** Presenter: Kwangseog Ahn, University of Wisconsin-Whitewater.
- **1259 - An Evaluation Procedure for Post Fire Re-occupancy in Commercial & Industrial Structures.** Presenter: Anthony DiMaggio, Chubb Global Risk Advisors.

Poster Sessions

- **1271 - Health Hazard Evaluation of Exposures in a Steel Coil Pickling Plant.** Presenter: Jessica Li, CDC/NIOSH.
- **1291 - Diacetyl Exposures in Coffee Roasting & Grinding Facilities and Nonproduction Areas.** Presenter: Heather Drzymala, Liberty Mutual Insurance.
- **1406 - Occupational Exposure Assessment of Tetramethyl Ammonium Hydroxide in Semiconductor Manufacturing.** Presenter: Hyunhee Jung, Samsung Electronics, Co., Ltd., Republic of Korea.
- **1408 - Design of Local Exhaust Ventilation for Preventive Maintenance in the Semiconductor Industry Using CFD.** Presenter: Jwaryung Hong, Samsung Electronics, Republic of Korea.
- **1421 - Analysis of Size-selective Sampling Methods for Comparison with Welding Fume Metals Occupational Exposure Limits.** Presenter: Beth Regan, The Travelers Companies, Inc.
- **1437 - Industrial Hygiene at 5G Speeds — Preliminary Field Measurements.** Presenter: Robert Adams, Ramboll.
- **1503 - Determinations of Trihalomethanes and Haloacetic Acids Occurring from Food Processing.** Presenter: Ai Hua Lin, National Taiwan University, Taiwan.
- **1574 - IH Airborne Exposure Monitoring for Respirable Crystalline Silica Related to Concrete Cutting Procedures and Demolition Activities.** Presenter: Jan Koehn, Jan Koehn, M.S., CIH, Inc.
- **1591 - IH MOD 2.0 Overview — Modeling Leaking Process Equipment and Storage Tanks in Midstream Industry.** Presenter: Charlie Koch, CK Solutions LLC.
- **1625 - Evaluation of Street-level Carbon Monoxide Levels in the U.S.** Presenter: Emily Goswami, Exponent.

Poster Session 3

Wednesday, June 3

Viewing Time

10:30 a.m. – 11:30 a.m.

Topics: *Changing Workforce Demographics/Environment/ Total Worker Health, Communication and Training, Exposure Assessment Strategies, Exposure Banding/Occupational Exposure Limits, Healthcare, Laboratory Health and Safety, Occupational and Environmental Epidemiology, Protective Clothing and Equipment/Respiratory Protection, Risk Assessment and Management, Technology*

- **1032 - Exploring Cues to Action as Motivators to Increase PPE Compliance among Wastewater Workers.** Presenter: Tamara Wright, Georgia Southern University.
- **1094 - Anoesis — The Problem with Occupational Disease.** Presenter: John Elias, Elias Occupational Hygiene Consulting, Canada.

- **1229 - OELs for Antitherapeutic Drugs in Poland.** Presenter: Małgorzata Kupczewska-Dobecka, NIOM, Poland.
- **1276 - Exposure Characterization of a Cyanobacteria Harmful Algal Bloom (CHAB) — Data Collection Methodology.** Presenter: Susan Viet, Westat.
- **1296 - Safe Handling of Hazardous Drugs — Wipe Sampling.** Presenter: Emma Hooks, Barnes-Jewish Hospital.
- **1445 - Occupational Exposure to Cr VI during Furnace Maintenance Activities in Colombian Cement Plants.** Presenter: Guillermo Araque, CRP Ltd., Colombia.
- **1548 - Evaluation of Asbestos Exposure Risk from the Application of Talcum-based Powders — Use a Monte Carlo Analysis.** Presenter: Jennifer Ellis, Ramboll.
- **1609 - Evaluation of Glyphosate Use and Non-Hodgkin's Lymphoma — A Preliminary Trend Assessment.** Presenter: Alexander Riordan, Cardno ChemRisk.
- **1653 - It Really Stinks! The Assessment and Control of Airborne Endotoxins During the Processing of Fecal Matter in the Wildlife Endocrinology Laboratory.** Presenter: Michael Hunt, Smithsonian Institution.

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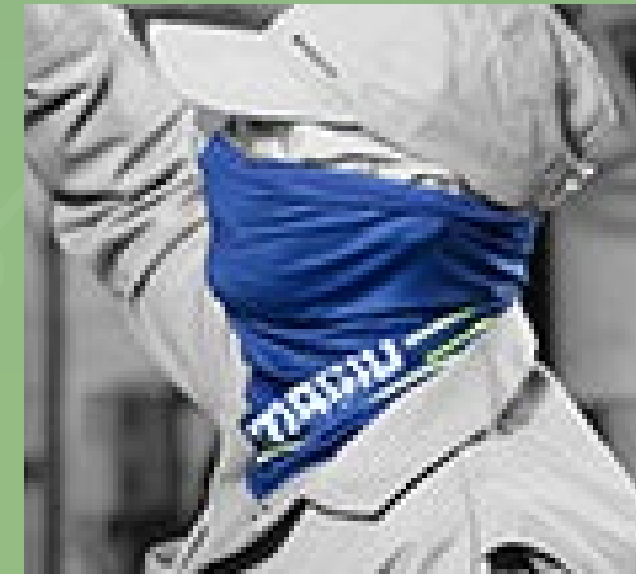


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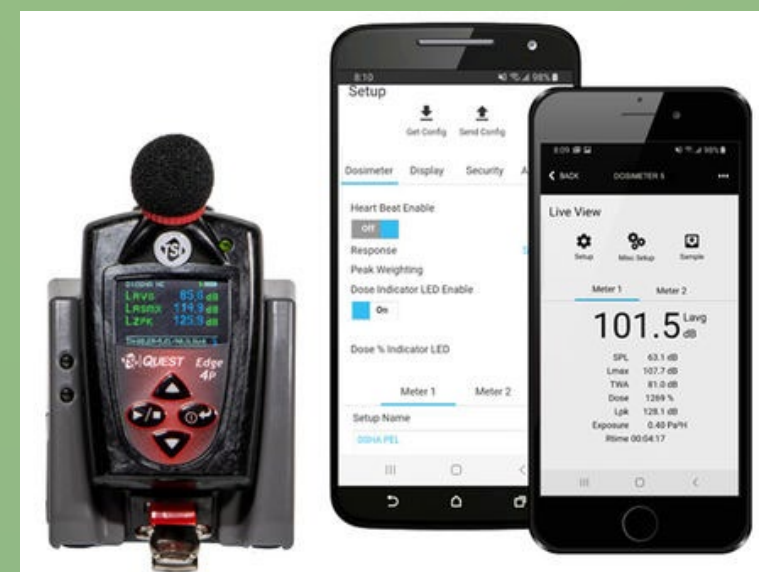
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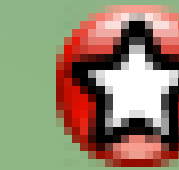
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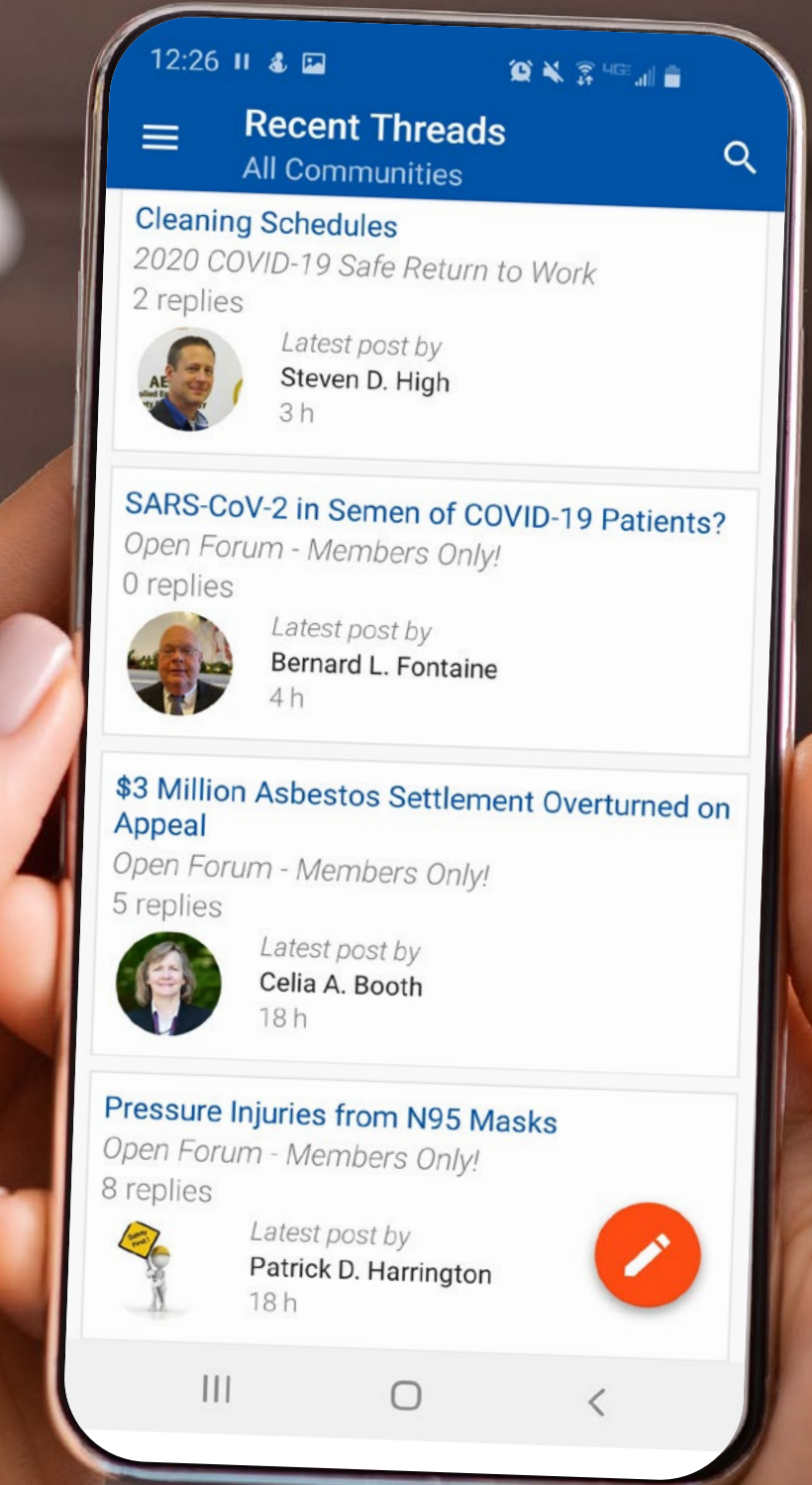
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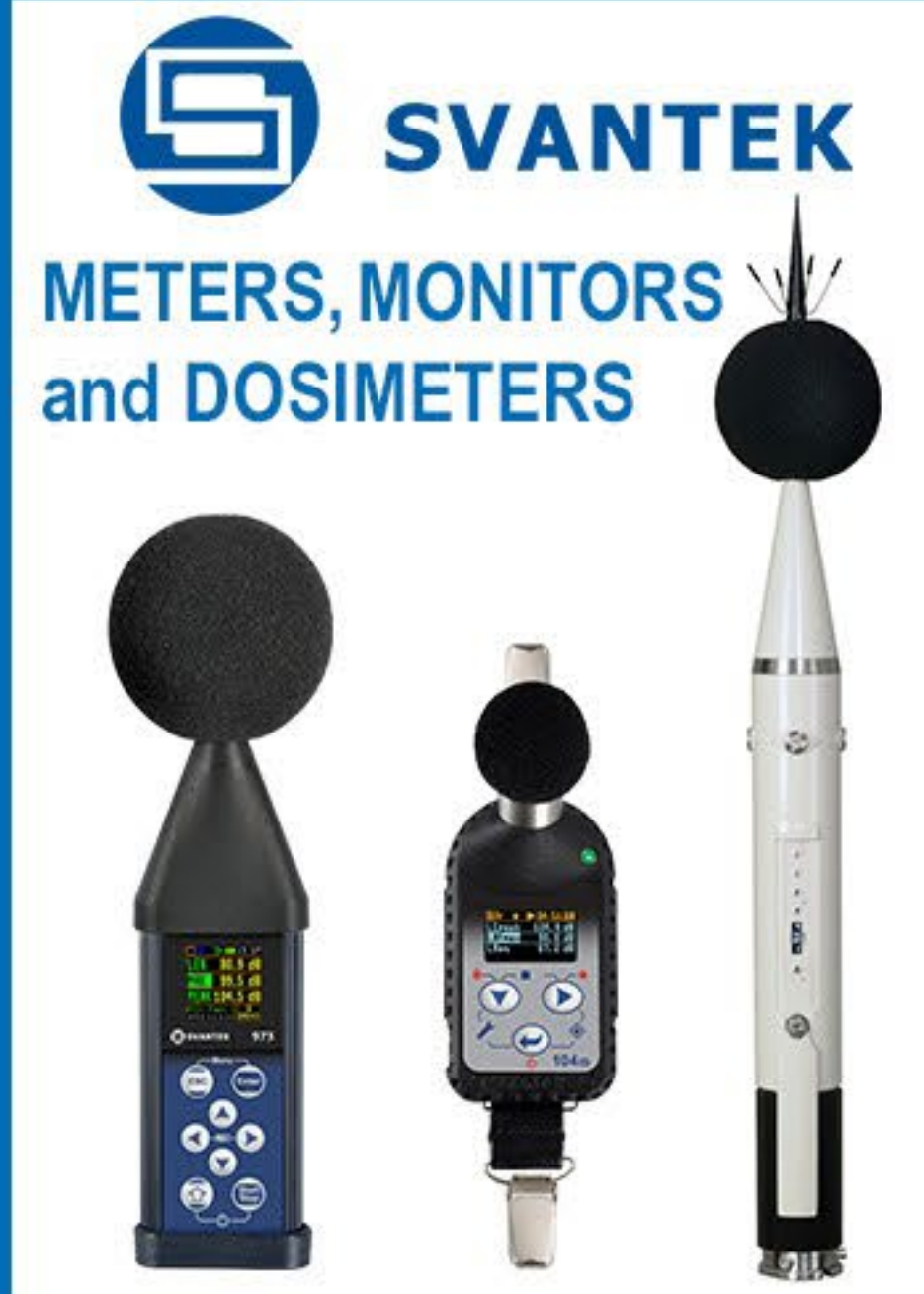
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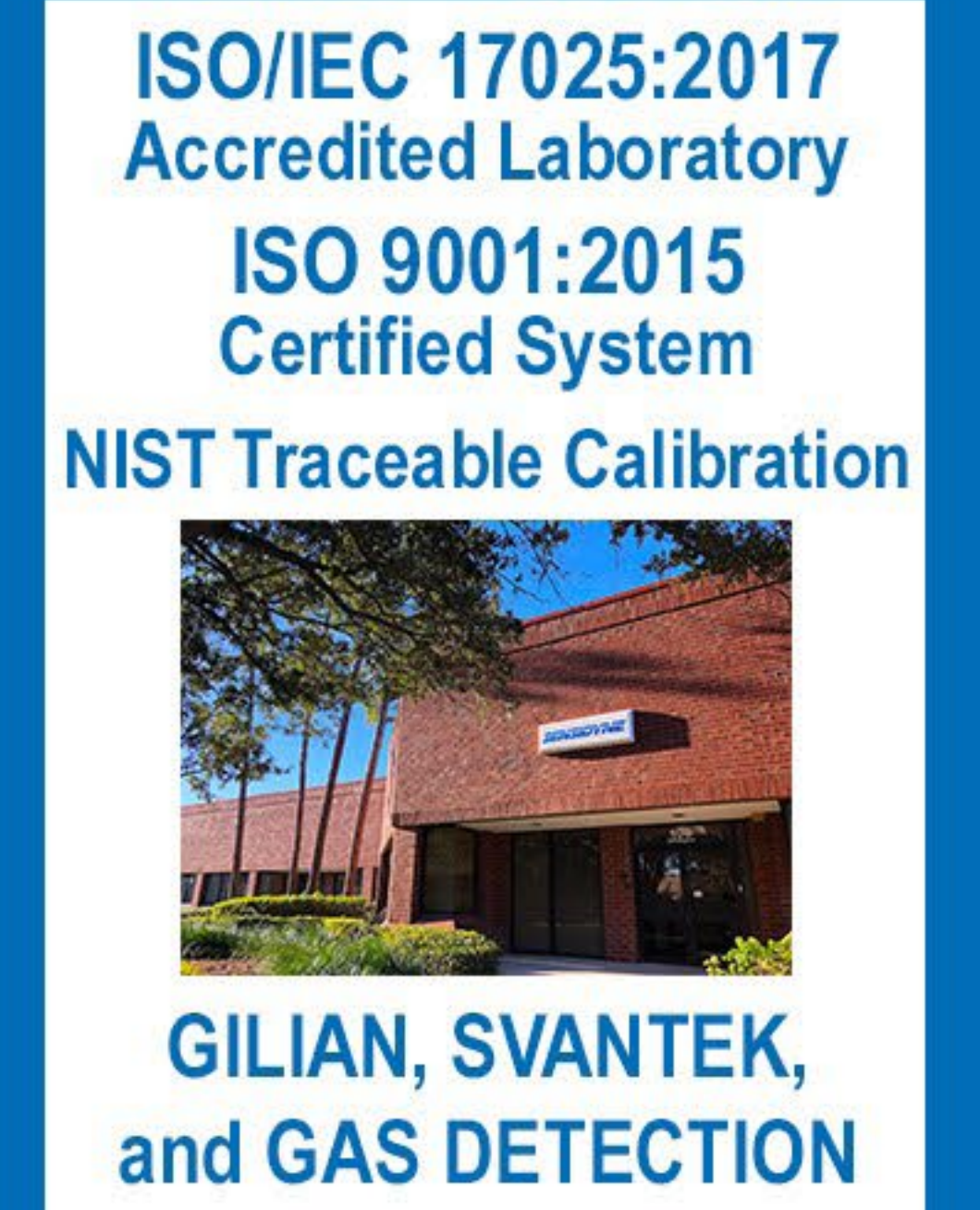
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