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

ONLINE JUNE 1–3

VIRTUAL CONFERENCE PROGRAM
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.

All with a bold new look. Come see the future.
This Level of Noise Monitoring was Unheard of …

The Centers for Disease Control (CDC) estimates that 22 million workers are exposed to potentially damaging noise each year. Your expertise and accurate, reliable noise measurement instruments are essential to helping protect worker hearing. Intuitive and designed with you in mind, SKC Noise instruments provide the most reliable value for all industries. From personal noise measurements to workplace assessment and environmental monitoring, SKC Noise instruments are there for your application. Choose SKC Noise for a direct line to our team of expert Certified Occupational Hearing Conservationists and the SKC quality you trust.
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, 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.

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.

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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.

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**Thank you!** to Our Virtual AIHce EXP 2020 Sponsors!

**Dräger**

Dräger is a leading international company in the fields of medical and safety technology. Founded in Lübeck in 1889, Dräger has grown into a worldwide, DAX-listed enterprise in its fifth generation as a family-run business. Our long-term success is predicated on a value-oriented corporate culture with four central strengths: close collaboration with our customers, the expertise of our employees, continuous innovation and outstanding quality. The safety division offers its customers complete hazard management solutions with a special focus on personal safety and protecting production facilities. The safety division’s current portfolio includes fixed and portable gas detection systems, respiratory protection, firefighting equipment, and professional diving equipment.

From first responders to industrial workers, DuPont provides a wide range of protective apparel solutions including some of the most trusted and innovative brands in the industry, such as Tyvek®, Tychem® and ProShield® to meet your safety needs. Taking on the toughest jobs requires an even tougher person. Because some jobs are reserved for the brave, the fearless, and the heroic. And to those dedicated to pushing the limits, DuPont PPE is dedicated to keeping you protected - every step of the way. #TyvekTogether

As the global leader in gas detection, Industrial Scientific provides gas detection products and services that keep workers safe in hazardous environments. The company’s more than 700 employees in 25 countries are committed to preserving human life, and have dedicated their careers to ending death on the job in this century. Established in 1985 and headquartered in Pittsburgh (USA), Industrial Scientific also has operations based in Arras (France) and Shanghai (China), and provides technical services to customers from local service centers around the world. Industrial Scientific is the parent company to Predictive Solutions Corporation (www.predictivesolutions.com). For more information, visit www.indsci.com.

**SGS Galson**

SGS Galson is the world leader in industrial hygiene analysis and monitoring solutions. We provide industrial hygiene, environmental health, and safety professionals with the most effective means to obtain data to protect people from hazardous exposures. We provide this on time with unmatched service, quality and integrity, while continuously improving and innovating our processes and services for the good of our clients. For example, our state-of-the-art Smart Sense innovative cloud remote sensor monitoring system, now has sample capture capability for validation and compound specification. SGS Galson is part of SGS, the world’s leading inspection, verification, testing, and certification company.
MAKE INFORMED SAFETY DECISIONS

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SPECIALIZED INSTRUMENTATION FOR HARSH ENVIRONMENTS

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+ Real-Time Gas Monitoring
+ Outdoor Environmental Monitoring
+ IAQ Monitoring
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Special Events

AIHA’s Total Worker Health Track

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.).

34th Annual AIHF Virtual Fun Run

June 1 – 15
Lace up your running shoes and run 5k, walk 2k, or bike 10K when it’s convenient for you!

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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.

Silver Sponsors

Bronze Sponsors

AIHA thanks our 2020 Hamilton Club Partners for their support!
Join us for a virtual 5k that benefits AIHF scholarship recipients.

Now that we’ve gone virtual, anyone can participate in the fun and give back!

- Register to donate $40 for individuals/$100 for families
- Run or walk wherever you like (mind your social distancing)
- Submit your time
- Share your accomplishment on AIHF’s Facebook page

Help us meet our goal of raising $20,000 in scholarships for IH/OH students. Sign up today!

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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
We are a global leader in gas detection. We manufacture and distribute equipment to provide customers with a solution to their toughest gas detection requirements.
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 SESHA. 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.
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 established 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.

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.

The 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.
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 groundbreaking 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 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.

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. 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.

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 continue 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.
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**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!
Build and manage your career with the NEW Career Advantage job board.

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Connecting Talent with Opportunity
# 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!**
When a chemical emergency strikes, the clock starts ticking. Get the facts you need to act fast with SAFER One™ Dynamic Plume Modeling Software. Pinpoint the source of a gas leak and predict the dispersion path with real-time data from on-site gas and weather sensors, including Radius® BZ1 Area Monitors, so you can take control to protect your people, plant, and nearby communities.

Start operating with confidence at [www.indsci.com/SAFER](http://www.indsci.com/SAFER)
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

SGS | GALSON

10:00 a.m. – 11:00 a.m.
A5: Sampling and Analytical Challenges in Meeting Ever Lower OELs for Metals and Metalloids

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

12:30 p.m. – 1:00 p.m.
Exhibitor Learning Pavilions
A Simple Air Monitoring Plan for Respirator Selection presented by Assay Technology, Inc.

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

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

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

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

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

SGS | GALSON

All Day
Exhibitor Directory is live
Monday, June 1, 2020 Sessions

8:00 a.m. – 9:30 a.m.
Opening General Session –
Harnessing the Power of Courage

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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”
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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

11:15 a.m. – 12:15 p.m.
B1: Community and Workplace Exposures to Toxic Gases – Current Research

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

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

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

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Dave Huizen, Grand Valley State University.
Monday, June 1, 2020 Sessions

B3: Safety Management Updates
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.

B3: Why We Can, Must, and Will Become Better Leaders
Presenters: Jason Kunz, 3M; Justin Hoover, Steel Dynamics, Inc.

B3: 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.

BI2: Results of Interesting and Unusual NIOSH Health Hazard Evaluations
Moderator: Leonard Zwack, CDC/NIOSH. Presenters: Michael Grant, Eric Glassford, CDC/NIOSH.

Poster Session I – Poster Viewing Time

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

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.

12:30 p.m. – 1:30 p.m.
Effective Chemical Hazard Communication and Business Related Changes for the New Normal presented by Sphera

1:15 p.m. – 1:45 p.m.
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

The New NoiseCHEK Dosimeter by SKC—Noise Measurement Made Simple presented by SKC
Monday, June 1, 2020 Sessions

2:00 p.m. – 3:00 p.m.
**Cl: 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.

C8: 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.

C10: 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.

C11: 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.

3:15 p.m.–4:15 p.m.
**D1: Research in Dust**
**Moderator:** Nancy Johnson, University of Kentucky College of Public Health.
3:15 p.m.–3:35 p.m.

D2: 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.

D3: The Effects of Heat Stress on Performance
**Moderator:** Jane Kato, Kansas State University.
**Presenters:** Jane Kato, Kansas State University; William H. Brown, Jr., University of Wisconsin, Milwaukee.

D4: Educational Posters – Poster Viewing Time
**Topics:** Real-time Particulate Monitoring, Aerosols, Heat Stress, Vapor Analysis, Nanoparticles, Personal Protective Equipment, and more!
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D5: Nanotechnology and Aerosols
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D7: Framing Risk as a Social Field
**Moderator/Presenter:** Charles Redinger, Redinger 360, Inc.

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.

D8: 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.

D9: Upton Sinclair Lecture
**Presenter:** Susie Neilson, UC Berkeley Graduate School of Journalism.

D10: 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.

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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: Darius 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.

3:55 p.m.–4:15 p.m.

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.

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

What’s new in OEHS?
Stay current with our curated education resources focused on today’s emerging issues. From online courses to digital publications, we’ve got you covered.

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GT5000 Terra

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+ Lightweight and portable: 20.7 lbs (including battery)
+ Immediate on-site results
+ No gas calibrations, zero at start-up
+ Wireless connectivity with a rugged tablet

Quantify the Known
Identify the Unknown
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

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

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

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
- 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

4:30 p.m. – 5:30 p.m.
- J12: Engaging Front-Line Workers in Designing Solutions That Promote Workplace Safety, Health, and Well-Being

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
Tuesday, June 2, 2020 Sessions

- All Day
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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.
  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.

- 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

- 9:30 a.m. – 11:00 a.m.
  F7: Integrating IH Into an ISO 45001 Management System
  Moderator/Presenter: Paul Esposito, STAR Consultants.

- 10:00 a.m. – 11:00 a.m.
  Moderator: Kathryn Makos, Smithsonian Institution (ret).  Presenters: Michael Kilby, Smithsonian Institution; Brandy Howard, Landmark Environmental, Inc.; Margaret Skimina, Art Institute of Chicago.

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

- 11:15 a.m. – 12:15 p.m.
  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.

- 11:15 a.m. – 12:15 p.m.
  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.

- 11:15 a.m. – 12:15 p.m.
  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).

- 11:15 a.m. – 12:15 p.m.
  G9: Confined and Enclosed Space Entries With Fatal Outcomes
Tuesday, June 2, 2020 Sessions

**G12: Practical Takeaways on Getting Started With Total Worker Health**
**Presenter:** Jenn Cavallari, University of Connecticut, School of Medicine.

**G13: 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

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**L12: 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.

**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.

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.

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.

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.

J10: 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.  

F10: Suicide Prevention in the Construction Industry  
Moderator: Carl Heinlein, American Contractors Insurance Group.  
Presenter: Donald Garvey, Merjent, Inc.

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.

J4: Engaging Front-Line Workers in Designing Solutions That Promote Workplace Safety, Health, and Well-Being  
Presenter: Suzanne Nobrega, University of Massachusetts, Lowell.

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- Are noise levels in your facility too loud?
- Are many of your employees in an expensive hearing conservation program?
- Are high noise levels causing fatigue and thus a safety issue?
- Are your disability claims for hearing related issues on the rise?

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- Comprehensive noise control plan with:
  - Specific noise mitigation recommendations
  - Budgetary estimates
  - Support through implementation

Reduce noise now – your employees will thank you!
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

10:30 a.m. – 11:30 a.m.
- L1: 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
- 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: 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

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

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

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Wednesday, June 3, 2020 Sessions

- All Day
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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.
  GI: Opioid Research and Programs
  8:00 a.m.–8:20 a.m.

- 8:20 a.m.–8:40 a.m.
  The Assessment and Decontamination of Opioid Contaminated Residences. Michael Polkabla, BioMax Environmental, Inc.

- 8:40 a.m.–9:40 a.m.
  AIHA Opioids Working Group and the PPE Conundrum. Peter Harnett, Leidos SERAS.

- 9:15 a.m. – 10:15 a.m.
  L3: Interesting OSHA Health Cases, Part 1
  Moderator: Lewis Daniel, US DOL – OSHA.
  Presenters: Matthew Amick, Adam Gerson, US DOL – OSHA.

- 9:15 a.m. – 10:15 a.m.
  L4: Sensitization and the Built Environment – Connecting Research and Practice

- 10:30 a.m. – 11:30 a.m.
  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.

- 10:30 a.m. – 11:30 a.m.
  L11: What’s New in Accredited Laboratory Testing, Part 2 – Applying Risk-Based Thinking in Laboratories
  Moderator/Presenter: Bob Lieckfield Jr., CRL, LLC.

- 10:30 a.m. – 11:30 a.m.
  L12: Using BioErgo Surveillance in Total Worker Health
  Moderator: Karen O’Hara, WorkCare, Inc.
  Presenters: Anthony Harris, WorkCare, Inc.; Ryan Sims, LyondellBasell.


- 10:30 a.m. – 11:30 a.m.
  L12: Using BioErgo Surveillance in Total Worker Health
  Moderator: Karen O’Hara, WorkCare, Inc.
  Presenters: Anthony Harris, WorkCare, Inc.; Ryan Sims, LyondellBasell.
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. **Presenters:** 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](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 with Industrial Scientific**
  **Presenters:** Eric Fishman, Fred Humbert, Industrial Scientific.

**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.**
  **O1: 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.

**NI6: Compliance Requirements of NFPA 652 Standard on Combustible Dust – Present and Future**

**Moderator/Presenter:** Vahid Ebadat, Stonehouse Process Safety.

**NI8: An Evaluation of Common Chemical Contaminants in the Air**

**Moderator/Presenter:** Alice Delia, Prism Analytical Technologies.
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.
2:35 p.m. – 2:55 p.m.
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 VelocityEHS Solution. Presenters: Blake McGowan, Humantech, a VelocityEHS 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 1
Monday, June 1
Viewing Time
11:15 a.m. – 12:15 p.m.

- 1105 - Generation and Characterization of Aerosolized Particles from Nanoclay Composites During Sanding. Presenter: Eun Gyoung (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 - Determinations of Organic Ultraviolet (UV) Filters in Consumer Products by SPME-GC-MS/MS. Presenter: Ming Chun Kao, National Taiwan University, Taiwan.
- 1265 - Determinations of Organic Ultraviolet (UV) Filters in Consumer Products by SPME-GC-MS/MS. Presenter: Ming Chun Kao, National Taiwan University, Taiwan.
- 1528 - Sulfur-containing Amino Acids as Precursors for Hydrogen Sulfide Generation in the Food Industry. Presenter: Shih-Wei Tsai, National Taiwan University, Taiwan.
- 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

- 1074 - Workers’ and Managers’ Awareness and Perceptions of Safety and Ergonomic Programs in the Construction Industry. Presenter: Kwangseog Ahn, University of Wisconsin-Whitewater.

AIHce EXP 2020
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.
- **1408 - Design of Local Exhaust Ventilation for Preventive Maintenance in the Semiconductor Industry Using CFD.** Presenter: Jwaryung Hong, Samsung Electronics, Republic of Korea.
- **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.
- **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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AIHce EXP 2020 New Product Guide

We are pleased to showcase these newly released products and services.

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BlueSky™ Air Quality Monitor
BlueSky™ monitors are small, cloud-based monitors that you can mount throughout your community either on a pole or a wall. The sensor accurately reports PM2.5 and PM10 air quality measurements in real-time. These monitors are easy to install and use, and come equipped with a sensor calibrated to TSI standards. Learn more.

Edge 4+
With the Edge 4+ Noise Dosimeter safety professionals can monitor worker noise exposure in real-time through Bluetooth connection to the EdgeBD App. The App can program the dosimeter, start and stop surveys, and email results. Monitoring noise levels from a safe distance allows workers to continue their tasks without interruption. Learn more on how to setup the Edge Noise Dosimeter.

BlueSky™ Air Quality Monitor
BlueSky™ monitors are small, cloud-based monitors that you can mount throughout your community either on a pole or a wall. The sensor accurately reports PM2.5 and PM10 air quality measurements in real-time. These monitors are easy to install and use, and come equipped with a sensor calibrated to TSI standards. Learn more.

Q-Trak™ XP Indoor Air Quality Monitor
TSI’s Q-Trak™ XP Indoor Air Quality Monitor is a flexible, multi-parameter IAQ instrument that can be configured and expanded to monitor indoor air quality. These monitors measure and log IAQ parameters plus particulate matter and gases, simultaneously, in a single instrument. Perform surveys and investigations using our lightweight, handheld instrument. Learn more.

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BlueSky™ monitors are small, cloud-based monitors that you can mount throughout your community either on a pole or a wall. The sensor accurately reports PM2.5 and PM10 air quality measurements in real-time. These monitors are easy to install and use, and come equipped with a sensor calibrated to TSI standards. Learn more.

Q-Trak™ XP Indoor Air Quality Monitor
TSI’s Q-Trak™ XP Indoor Air Quality Monitor is a flexible, multi-parameter IAQ instrument that can be configured and expanded to monitor indoor air quality. These monitors measure and log IAQ parameters plus particulate matter and gases, simultaneously, in a single instrument. Perform surveys and investigations using our lightweight, handheld instrument. Learn more.

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