



ACGIH®
Defining Science for OEHS Experts



YPSW: 47th Annual Meeting – ACGIH Update

Frank Mortl III, CAE
ACGIH Executive Director
January 21, 2022

Define YOUR Science

ACGIH **advances the careers of professionals** working in the occupational hygiene, environmental health, and safety communities interested in defining their science.



2022 Strategic Priorities for ACGIH®

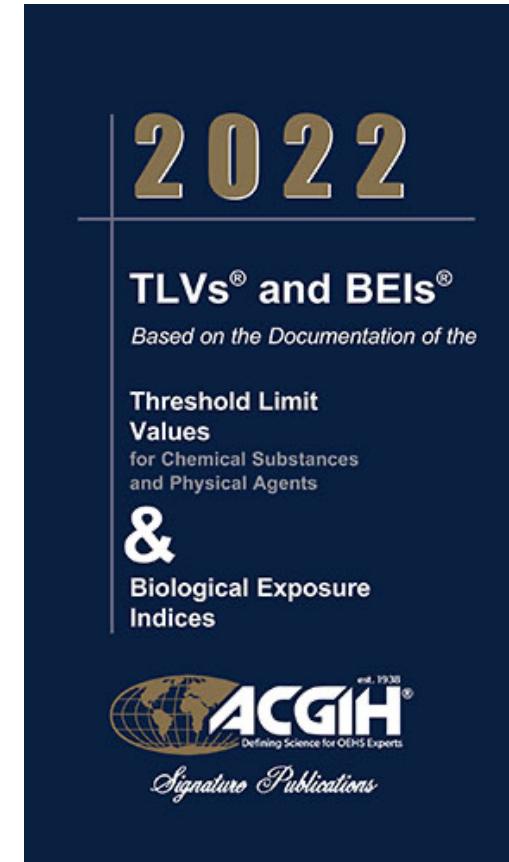


- Transformational Goals
- New/Updated Publications
 - Air Sampling Technologies Book
 - Bioaerosols Book
 - Quantitative Industrial Hygiene
 - Industrial Ventilation Design Manual
- ACGIH Data Hub
 - Online TLVs/BELs/Scientific Documentation
- 24 Webinars – Serious Science
- OEHS Education Delivered by Industry Experts
- COVID-19 Resources



ACGIH Signature Publications

- TLVs and BEIs Book
- 9th Edition: TLVs & BEIs Documentation
- Guide to Occupational Exposure Values
- Industrial Ventilation Manuals
 - Design
 - Operation & Maintenance
 - Testing Ventilation Systems – **Coming Soon!**
- Air Sampling Technologies Manual – **Q1 2022!**
- 2nd Edition Bioaerosols: Assessment & Control – **Q3 2022!**
- Modern Industrial Hygiene Series
- Handbook of Ventilation for Contaminant Control
- 2nd Edition: Quantitative Industrial Hygiene – **Q4 2022!**
- A Guide for the Control of Audible Sound Hazards





PRESALE NOW OPEN!

AIR SAMPLING TECHNOLOGIES:

Principles and Applications





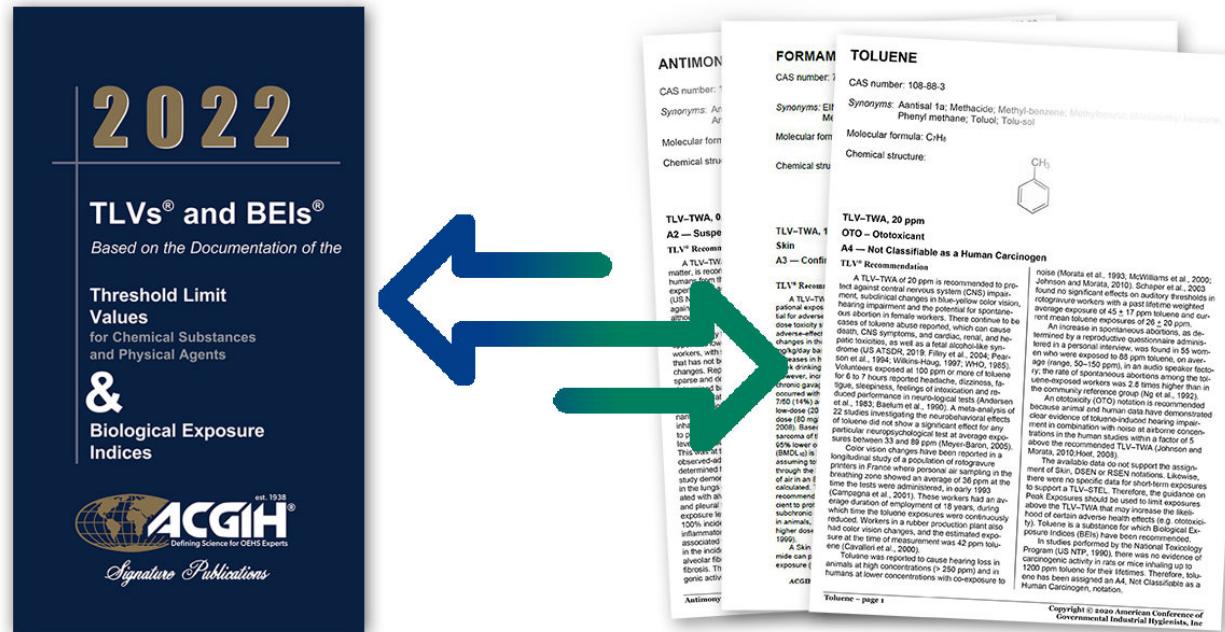
DIGITAL NOW AVAILABLE! PRESALE OPEN FOR PRINT! 2022 TLVs® and BEIs® Book



ACGIH's **Most Trusted** Resource
for OEHS Experts Around the World

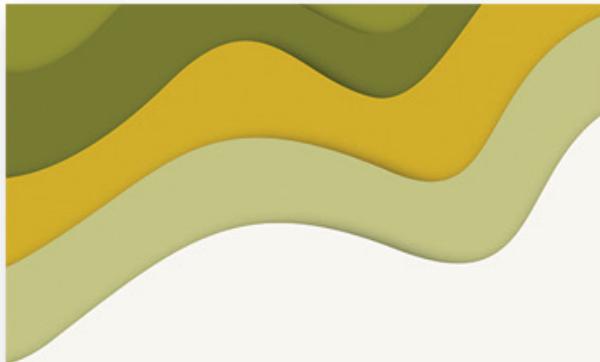


Importance of **Scientific Documentation** When Using *TLVs* and *BEIs* Book



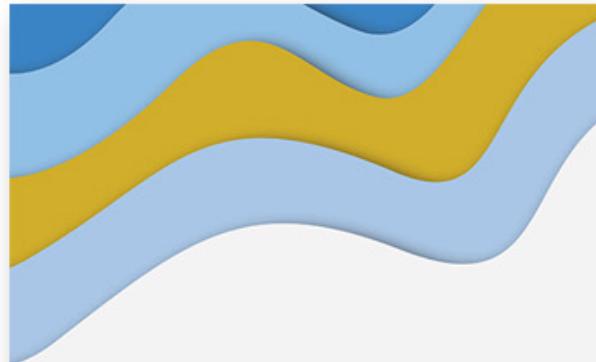
The **practical application** of **Scientific Documentation** ensures proper evaluation of occupational exposure interactions, the understanding of limitations, and effective workplace utilizations – **information a numeric value cannot provide alone.**

ACGIH's White Paper Series



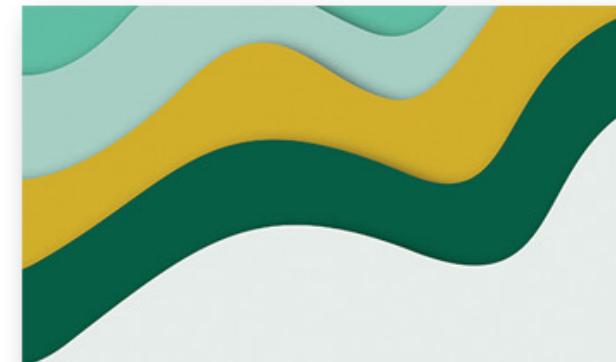
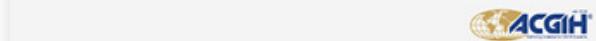
Ventilation for Industrial
Settings During the COVID-19
Pandemic

ACGIH® WHITE PAPER SERIES



Engineering Controls for
Bioaerosols in Non-Industrial/
Non-Healthcare Settings

ACGIH® WHITE PAPER SERIES



Ventilation for Industrial
Settings During the COVID-19
Pandemic

ACGIH® WHITE PAPER SERIES
COAUTHORED WITH ASHRAE®



Complimentary White Papers that explore COVID-19
in a variety of scientific viewpoints.

COVID-19 Resources & Fact Sheets

Compiled by ACGIH's Pandemic Response Task Force

SARS-CoV-2 Aerosol Inhalation

- The Virus in the Air

Control Banding

- Control Banding Can Identify Infection Risks and Interventions

Ventilation for Aerosol Transmissible Pathogens

- Airflow Patterns Matter

Respirators, Surgical Masks and Face Coverings

- Workers Need Respirators

Health and Safety Programs for Pandemic Organisms

- Health and Safety Programs Protect Workers

acgih.org/covid19



**On-Demand
Webinar Series
Available
COVID-19
Aerosol Exposures
in the Workplace**

8 webinars focused
on aerosol transmission
in workplaces



Earn Education Contact Hours from **OEHS Experts**



Virtual Learning that includes both Live and On-Demand Webinars focused on serious science

In-Person Learning that includes Industrial Ventilation Courses taught by industry leaders.



NEW! 2022 ACGIH Learning Pass



Earn over **30 Education Contact Hours** towards Certifications!
Includes 24 Live and On-Demand Webinars presented throughout 2022 for one affordable rate – **\$9/education contact hour!**



ACGIH Provides **Industrial Ventilation**
Training at any Skill Level



NEW! On-Demand Ventilation Course



ON-DEMAND
PROFESSIONAL
DEVELOPMENT
COURSE

Basics in Industrial Ventilation

Earn **9.25 Education Contact Hours** towards Certifications!

Taught by **Industrial Ventilation Experts**

Fundamentals in Industrial Ventilation



2022 Courses:

February 28–March 4

April 4–8

October 17–21

Location:
Chicago, IL

32 hours of instruction to earn
CIH CM credits and/or CSP recertification points!

NEW! Advanced Industrial Ventilation



October 24th – 27th

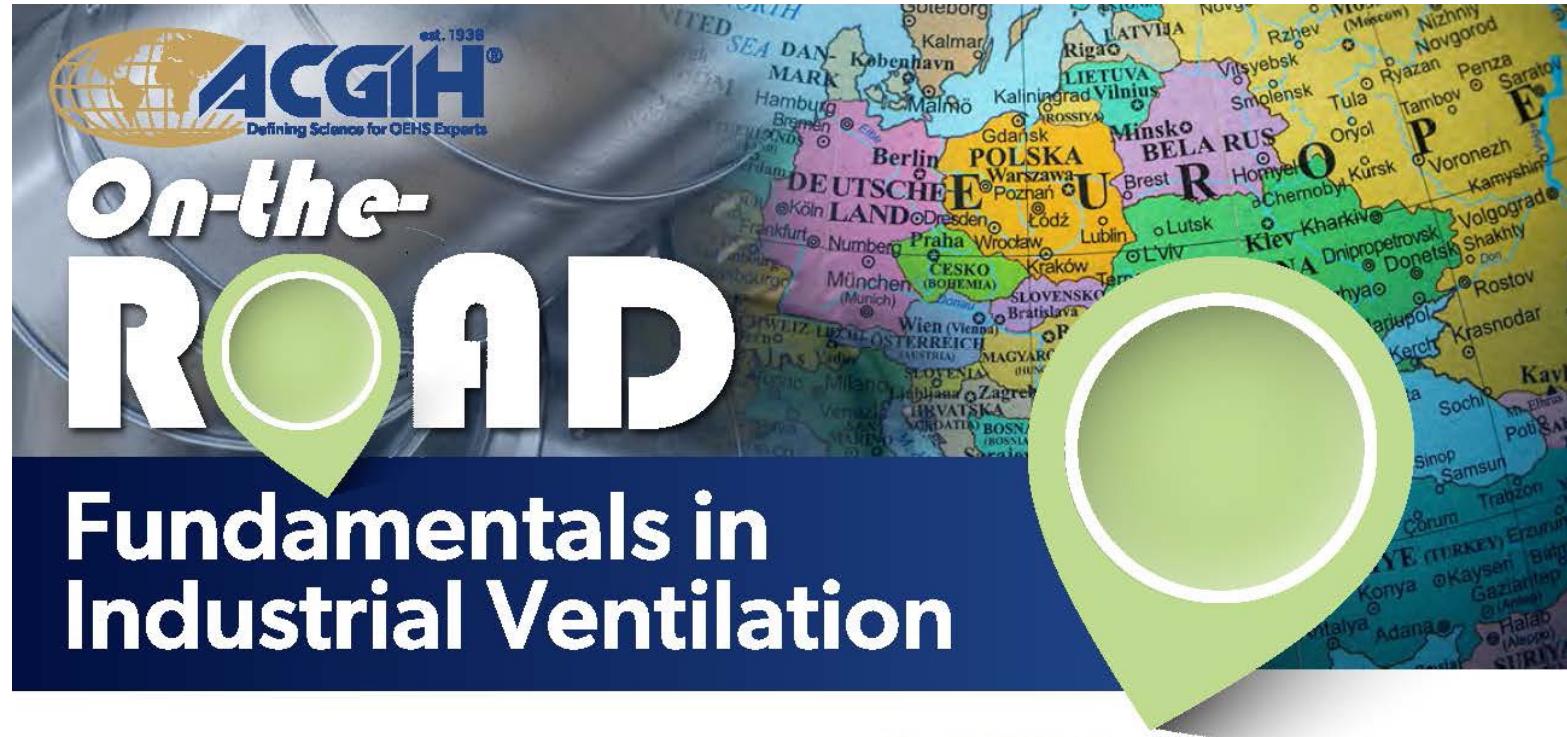
Las Vegas, NV

(Marriott property
near McCarran Airport)

October 28th
Practical Use of Computational Fluid Dynamics
in an Industrial Ventilation Lab



FIV On-the-Road Courses



ACGIH Comes to You!

World-Class Industrial Ventilation
Education Right to Your Door!

ACGIH®
est. 1938
Defining Science for OEHS Experts

On-the-ROAD

Fundamentals in Industrial Ventilation

If you have a full team or department in need of professional development, ACGIH can bring our world-class industrial ventilation education right to your door. Classes can be tailored to your audience and last one week. You simply provide a location and ACGIH delivers all the learning materials. This hands-on course, taught by world renowned industrial ventilation experts, covers both basic and advanced topics related to industrial ventilation and related calculations.

**ACGIH comes to...
You!**

"The World's Best FIV Course!"

ACGIH's **Fundamentals in Industrial Ventilation** is a course that covers recommended ventilation and engineering controls including:

- The behavior of air and chemical contaminants in the air
- Industrial process exhaust system design (including ACGIH calculation methods)
- Make-up and supply air ventilation systems
- Dilution ventilation systems
- Selection and design of exhaust hoods, ducts, and fittings
- Fans and air cleaners (including Fan Laws)
- Troubleshooting and testing of existing systems
- Hands-on testing and measurements

ACGIH's **Fundamentals in Industrial Ventilation** course includes classwork on Practical Applications of Useful Equations! Utilizing a hands-on ventilation lab, calculations instruction closely follows ACGIH's *Quantitative Industrial Hygiene: A Formula Workbook* supplied to participants which features:

- Calculation and estimation approaches related to airborne contaminants
- TLV and TWA
- OA for dilution, fans, system testing, sound and noise, heat stress, radiation, ventilation, statistics, chemistry, etc.
- A ventilation lab where participants work in a team environment

For more information, email the ACGIH Science team at science@acgih.org.



FIV

On-the-Road Courses

ACGIH Comes to You!

World-Class Industrial Ventilation Education Right to Your Door!

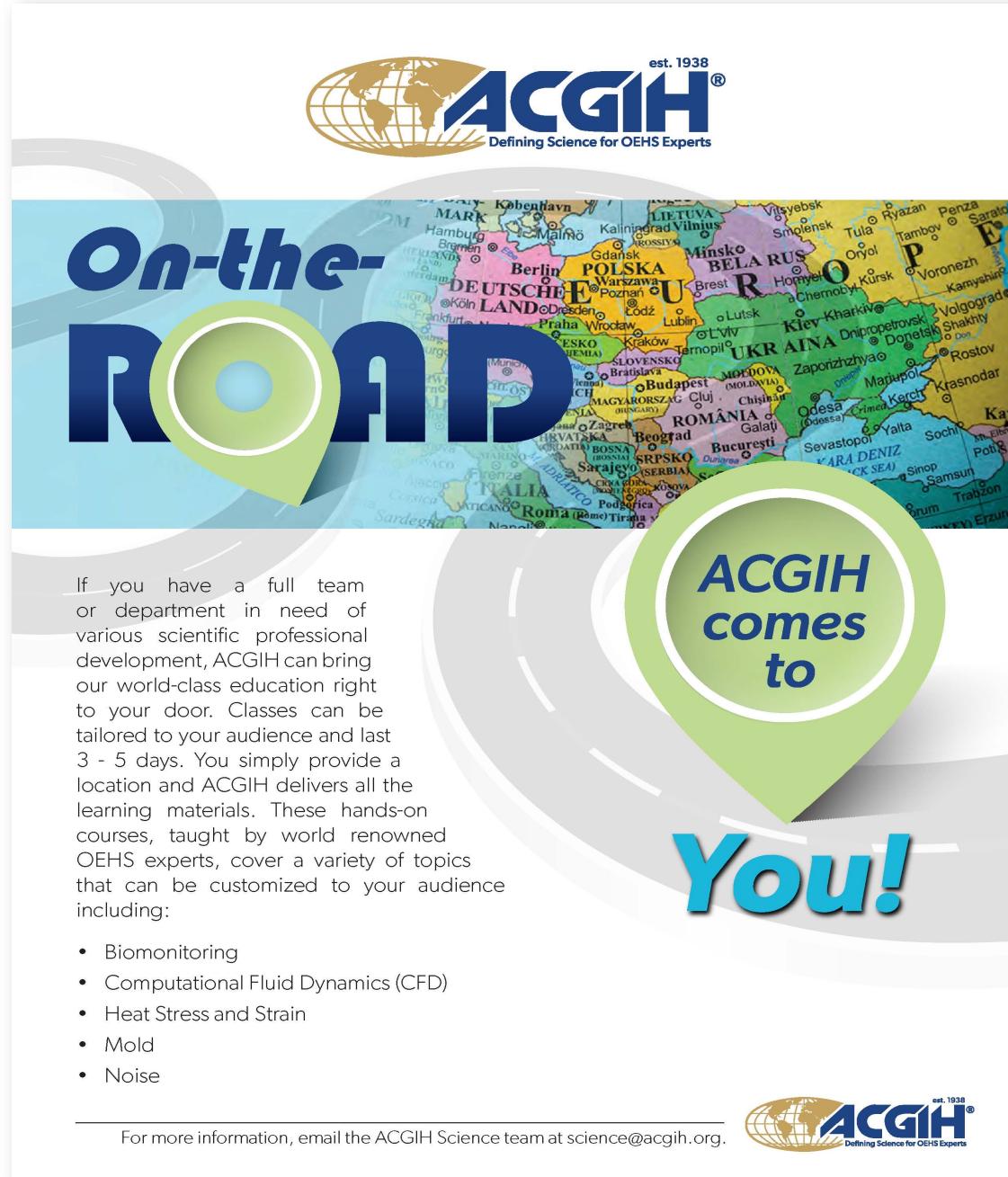


PDC On-the-Road Courses



ACGIH Comes to You!

World-Class Education Right to Your Door!



On-the-Road

If you have a full team or department in need of various scientific professional development, ACGIH can bring our world-class education right to your door. Classes can be tailored to your audience and last 3 - 5 days. You simply provide a location and ACGIH delivers all the learning materials. These hands-on courses, taught by world renowned OEHS experts, cover a variety of topics that can be customized to your audience including:

- Biomonitoring
- Computational Fluid Dynamics (CFD)
- Heat Stress and Strain
- Mold
- Noise

For more information, email the ACGIH Science team at science@acgih.org.

ACGIH comes to You!

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Defining Science for OEHS Experts

PDC

On-the-Road Courses

ACGIH Comes to You!

World-Class Education Right to Your Door!



NEW! ACGIH Sponsorship

Reach a
Large
**SCIENTIFIC
AUDIENCE**
Through This
Inaugural
Sponsorship
Program!



Collaboration with Industry Organizations

ACGIH®



AIHA

Sponsor of American Industrial Hygiene Conference & Exposition (AIHce EXP)

BGC

Collaborating on Writing Exams, Micro-Credentialing, & Updating "The Action Level!®"

Yuma Pacific Southwest Section

ANNUAL MEETING



REVIEW OF KEY IH ISSUES



INDUSTRY UPDATES



VALUABLE NETWORKING



IMPACTFUL COMMUNICATIONS



IEQ-GA

Full Member of the Indoor Environmental Quality – Global Alliance

IOHA

Member Organization of the International Occupational Hygiene Association

Define Your Science



ACGIH Membership



ACGIH **advances the careers** of professionals working in the occupational and environmental health, industrial hygiene, and safety communities interested in **defining their science**.



The OEHS Expert's Foundation for **KNOWLEDGE**

NEW MEMBER CATEGORY! EMERGING CAREER

Voting Member (\$205): A professional who currently spends greater than 50% of his or her employment in the field of Occupational and Environmental Health and Safety.

Retired Voting Member (\$50): A professional who has retired from employment that involved greater than 50% of his or her time in the field of Occupational and Environmental Health and Safety and who is employed less than twenty-five percent (25%) of full-time.

Student Voting Member (Complimentary): A full-time student officially matriculated in an undergraduate or graduate program in environmental health, occupational health and safety or a related discipline.

Organizational Supporter (\$650): An organizational supporter is an institution or organization supporting the activities of ACGIH. Organizational supporters are not eligible to vote for or serve on the Board of Directors.

- Must have 5 years or less of work experience in the field of occupational and environmental health and safety.
- Only \$95 – 1/2 off full membership price

COMPLIMENTARY Benefits of Individual Membership

- Annual TLVs and BEIs Book (Save \$54.95)
- "The Action Level!" (Save \$249)
- (10) Downloadable TLV and BEI Documentation (Save \$600)
- Online monthly issues of the *Journal of Occupational and Environmental Hygiene* (J-OEH)
- FREE Shipping and Handling on all domestic publication orders

COMPLIMENTARY Benefits of Organizational Supporter Membership

- (5) Annual TLVs and BEIs Book (Save \$54.95)
- (Unlimited) Downloadable TLV and BEI Documentation (Save \$600)
- Online and print monthly issues of the *Journal of Occupational and Environmental Hygiene* (J-OEH)



Define Your Science

Invest in an **ACGIH** Membership

For more benefits and information, visit acgih.org/membership



Complimentary STUDENT Memberships

Who qualifies??: A full-time student officially matriculated in an undergraduate or graduate program in environmental hygiene, occupational health and safety, or a related discipline.



Student Members receive:

- **Complimentary** Annual TLVs and BEIs Book digitally – a \$54.95 value
- **20% Discount** on Scientific Publications {Occupational Exposure Values; Industrial Ventilation; Air Sampling; Bioaerosols; Modern Industrial Hygiene; Ventilation for Contaminant Control; Quantitative Industrial Hygiene}
– **Much Less Expensive than Bookstore Prices!**
- **FREE** Shipping and Handling on all domestic publication orders
- **Complimentary** Downloads of Documentation of the TLVs and BEIs
- **Complimentary** online issues of the Journal of Occupational and Environmental Hygiene (JOEH)
- **Complimentary** Annual Reports of the Committees on TLVs and BEIs
- **Only \$99** to attend any ACGIH Scientific Webinars



Connect!
Network!
Engage!

ACGIH ORGANIZATIONAL Membership

ACGIH is now offering a new Organizational Membership to departments or companies whose employees are eligible to engage with ACGIH as Active Voting members: *professionals who currently spend greater than 50% of his or her employment in the field of occupational and environmental health and safety.* Employees of Organizational Membership companies are full voting members and pricing is based upon the number of eligible members in the department or company.

All eligible members of the organization receive:

- **Complimentary** Annual TLVs and BEIs Books for each eligible member of organization (electronic or printed format – valued at \$54.95)
- **Complimentary** downloadable TLVs and BEIs Documentations
- **Complimentary** access to "The Action Level!"
- **Complimentary** online subscription to the *Journal of Occupational and Environmental Hygiene* (JOEH)
- **Discounts** on education and publications
- **Free** shipping and handling (domestic United States)

Pricing Options

2–3 members:	\$399.75
4–6 members:	\$799.50
7–10 members:	\$1,332.50
11–15 members:	\$1,998.75
16–20 members:	\$2,665.00
21–30 members:	\$3,690.00
31–40 members:	\$4,510.00
41–50 members:	\$5,125.00
51 + members:	<i>Call for quote</i>

For more information, visit acgih.org/membership

Define
Your
Science

Invest in an

ACGIH
ORGANIZATIONAL
Membership



Sustainable TLV/BEI Program



Support the continued development
of the ACGIH TLVs and BEIs.

Donate Today!



What Scientific Leaders Say...

Jack Caravanos, DrPH, CIH; 2022 Board Treasurer ~ ACGIH

“Define your science and develop the art of communicating OEHS applications by engaging with ACGIH.”

Mike Ellenbecker, ScD, CIH; 2019 Board Chair ~ ACGIH

“ACGIH excels at translating data and actions into comprehensive knowledge.”

COL(Ret.) Mary Lopez, PhD, CPE; Immediate Past Board Chair ~ ACGIH

“ACGIH provides THE toolbox for all OEHS practitioners.”

Shery Milz, PhD, MOD, CIH, FAIHA; 2017 & 2018 Board Chair ~ ACGIH

“The scientific community for professionals looking to support worker and environmental health lies within ACGIH.”

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Instagram: _acgih

#ACGIH

#DefineYourScience



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Thank you for
supporting ACGIH!



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of Governmental Hygienists

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