

REGISTER TODAY!

AGS Glovebox & Isolator Annual Conference and Expo 2025

HANDS-ON TRAINING • TECHNICAL SESSIONS • EXHIBITS

JULY 28-31

**Harrah's Lake Tahoe
South Shore**

- FUNDAMENTAL AND HANDS-ON TRAINING
- TECHNICAL SESSIONS
- FOCUSED TOPICS:
BEYOND GLOVEBOX DESIGN -
FROM FABRICATION TO
OPERATIONAL EXCELLENCE
- EXHIBITS



AGS
American Glovebox Society

AGS
526 So. E Street
Santa Rosa, CA 95404
(800) 530-1022

Info and Online Registration: gloveboxsociety.org

Preliminary Program

MONDAY, JULY 28

7:00 AM - 5:00 PM	Registration Open
8:00 AM - 9:00 AM	Opening Ceremonies & Keynote Address
9:00 AM - 9:30 AM	Break
9:30 AM - 12:00 PM	Fundamentals Training / Focused Topic Sessions
12:00 PM - 1:00 PM	Lunch
	Sponsored by: Curtiss Wright
1:00 PM - 2:30 PM	Fundamentals Training / Focused Topic Sessions
2:30 PM - 2:45 PM	Break
2:45 PM - 4:00 PM	Fundamentals Training / Focused Topic Sessions
4:00 PM - 5:30 PM	Hands-on Demonstration
5:30 PM - 7:00 PM	Icebreaker Reception with Exhibitors
	Sponsored by: Merrick & Company

TUESDAY, JULY 29

7:30 AM - 5:00 PM	Registration Open
8:00 AM - 8:30 AM	Break with Exhibitors/Posters
	Sponsored by: Paragon
8:30 AM - 10:00 AM	Technical Sessions
10:00 AM - 10:30 AM	Break with Exhibitors/Posters/Glovebox Olympics
	Sponsored by: Walker Barrier Systems
10:30 AM - 12:00 PM	Technical Sessions
12:00 PM - 1:00 PM	Luncheon
	Sponsored by: Wagstaff Applied Technologies
1:00 PM - 2:30 PM	Technical Sessions
2:30 PM - 3:30 PM	Break with Exhibitors/Posters/Glovebox Olympics
	Sponsored by: COMPA Industries, Inc.
3:30 PM - 4:30 PM	Technical Sessions
5:00 PM - 10:00 PM	Harbor Dinner Cruise

WEDNESDAY, JULY 30

8:00 AM - 3:00 PM	Registration Open
8:00 AM - 8:30 AM	Break with Exhibitors/Posters/Glovebox Olympics
	Sponsored by: Inert Corp.
8:30 AM - 10:00 AM	Technical Sessions
10:00 AM - 10:30 AM	Break with Exhibitors/Posters/Glovebox Olympics
	Sponsored by: Vacuum Atmospheres
10:30 AM - 12:00 PM	Technical Sessions
12:00 PM - 1:00 PM	Luncheon
	Sponsored by: MBraun
1:00 PM - 2:30 PM	Technical Sessions
2:30 PM - 3:30 PM	Break/Posters/Glovebox Olympics
	Sponsored by: ATG
3:30 PM - 5:00 PM	Technical Sessions
5:00 PM - 5:30 PM	Annual Meeting/Closing Ceremony
	Grand Prize Drawing (<i>Winners Must be Present</i>)
	Sponsored by: Walker Barrier Systems

THURSDAY, JULY 31

8:00 AM - 12:00 PM	Registration Open
8:00 AM - 8:30 AM	Refreshments
8:30 AM - 12:00 PM	Workshop: Fundamentals of Air Filtration in Nuclear Applications

Keynote Address



Jeremy T. Busby
Oak Ridge National Laboratory

ISOTOPES PLAY A CRITICAL AND STRATEGIC ROLE IN ADVANCING THE UNITED STATES' NATIONAL INTERESTS

They are foundational to a wide range of applications, including energy security, medical diagnostics and treatment, discovery science, national defense, industrial manufacturing, space exploration, telecommunications, biology, archaeology, quantum science, and more.

Isotopes contribute to the economic, technological, and scientific strength of the nation by directly enabling emerging technologies. Oak Ridge National Laboratory (ORNL) is at the forefront of this effort by producing and distributing both stable isotopes and radioisotopes, as well as advancing isotope enrichment technologies.

The safe handling and processing of radioisotopes rely on specialized infrastructure, such as hot cells and gloveboxes—technologies that ORNL and other national laboratories have refined since the World War II era. However, as facilities age and demand increases, modernization must remain a priority to ensure the safety of staff and infrastructure, as well as to maintain operational efficiency. This can be challenging given the cost and time required to modernize a nuclear facility and its infrastructure, but it remains a necessity. This presentation will discuss the current U.S. landscape for isotope production, highlighting the vital role of the Department of Energy's Isotope R&D and Production Office. It will examine the importance of remote handling capabilities and their national impact, while also looking ahead to future opportunities for innovation—such as automation, artificial intelligence, and other advanced technologies that can transform isotope science and infrastructure for decades to come.

Glovebox Training

MONDAY, JULY 28

Fundamental Training Sessions

Theory of Containment – John T. Newman, M. Braun Inc.
Glovebox Design – Greg Wunderlich, Burns & McDonnell
Ergonomics - Nathan P. Sandoval, Los Alamos National Lab.
Fabrication – Chad Malnar, Premier Technology, Inc.
Installation & Operation – Craig Dees, Idaho National Lab.



Focused Topic Sessions

Configuration Management

Craig Dees, Idaho National Lab.; Tim Gabriel, Savannah River National Lab.;
Nate Levene, Merrick & Company; & Natalie Morvay, ATG

From Manual to Mechanical: Evolving Glovebox Operations with Retrofit Robotics

Jordan Parkhurst & Jacob Cornell, Oak Ridge National Lab.

A Refined Project Management Approach for a Successful Glovebox Fabrication

Kaleb Peete & Nikki Danakos, Los Alamos National Lab.

Commercial Grade Dedication Fundamentals

Sean Sherman, Curtiss-Wright

The Practical Application of Ergonomics in Glovebox Work

Drew Bailey, Lawrence Livermore National Lab.

Creative Solutions: Incorporating Ergonomics into Post-Fab Radiation Protection Driven Glovebox Modifications

Jennelle Mann, Advetage Solutions LLC & Rebecca Wantuck, Los Alamos National Lab.

Glovebox Leak Testing Techniques Used for Various Stages of Use

David Kuhn, Leak Testing Specialists, Inc.

How Fabrication Tolerances Impact Final Products and Complex Integration

Matt Zanke, ATG

Hands-On Training Demonstration

Presenters:

Chris Roybal & Bert Vigil, Los Alamos National Laboratory

Demonstration Will Include:

- Pre-job Activities, (briefings, ppe, tools, supply prep)
- PPE Overview
- Bag Out
- Glove Change
- HEPA Filter Change
- Upset Condition & RP Response
- Other RP Contributions During Normal Operations



Technical Sessions

Tuesday & Wednesday

UK Industry Standardization and Training for Operational Efficiency

Rebecca Steven, Sellafield

Collaborative Development of Shielded Glovebox Interlocking Guards for Operational Safety

Rowan Frain, Sellafield

Containment Boundary Consumables Management

Steve Vallor, AWE

UK Regulatory Approach and Expectations

Mathew Dingsdale, UK Office of Nuclear Regulation

SSPA Glovebox Cracked Window Replacement

Nathan Peterson, Idaho National Lab.

New Tool Evaluation Form

Julius Payne & Amanda Martinez, Los Alamos National Lab.

Glovebox Training & Education Program Standards

Evelena Valencia & Vince Garcia, Los Alamos National Lab.

Next-Gen Nuclear Containment: Modular Hot Cells, No Gloves Required

Greg Wunderlich, Burns & McDonnell & Mario Naranjo, Oak Ridge National Lab.

Control Systems and Automation in Glovebox Environments

Brandon Replogle, Lawrence Livermore National Lab.

Factors Affecting Precision Weight Measurements in a Glovebox

Russell Hallman, Consolidated Nuclear Security

Utilizing Ventilation as an Effective Contamination Barrier in Equipment Design

Justin Wernette & Doug Lords, Naval Nuclear Laboratory

Robotic Applications for Glovebox Manufacturing

Gage Spears, Premier Technology, Inc.

High-Efficiency Single-Pass Welding of 30mm Stainless Steel Using Dynamic Beam Laser (DBL)

Ami Spira, Civan Lasers Inc.

Integration of ICP-MS in Glovebox

Gautier Koenig, Inert Corp

Designing and Delivering Nuclear Gloveboxes - at Pace, to Quality

Jon Savage, Ansaldo Nuclear Limited

Glove Breach

Ben Reznikov, Merrick & Company

Confinement Unidirectional Resource Loading System (CURLS)

Daniel Dilday, Argonne National Lab.

Best Practices for Specifying Molded Corner Window Gaskets in Nuclear Gloveboxes

Sean Thompson, Paragon Energy Solutions, LLC & Roberto Naccarato, Elasto Proxy

From Glovebox to Soapbox: Thoughts on Gloveboxes from an Old Accident Investigator

Doug Minnema, Defense Nuclear Facilities Safety Board

Mobile Hot Cell

Robert Henry, Boston Government Services & Eric Egan, Idaho National Lab.

Robotics for Glovebox Decommissioning: Deployment Updates

Robert Marwood & Christian Pilon, AtkinsRealis

AGS Lessons Learned and SDC

Justin Dexter, Burns & McDonnell & Stanley Trujillo, Los Alamos National Lab.



Glovebox Olympics



**FUN,
CHALLENGING,
REWARDING!**

Put your skills to the test in a fun and challenging competition! Competition will be held during each break on Tuesday & Wednesday. **Winners will be announced at the Closing Ceremony.**

Poster Sessions

Glovebox Technician Daily Operations & Obstacles
Jose Terrazas & Elier Granillo, LANL

Gloveboxes for French Tritium Facility
Oliver Vincent-Viry & Emmanuel Fleury, CEA

Housekeeping is Next to Godliness, The Importance of
Glovebox Housekeeping
Samantha Sopha & Julian Carriedo, LANL

Glovebox RFID Integration
Jacob Fort & Julius Payne, LANL

Measuring Interstitial Elements Within a Glovebox at
LANL
Shauni Williams & Lawrence Aragon, LANL

Automation Glovebox Technologies
Logan Shay & Luke Davis, ORNL

The Use of Inert Atmosphere Gloveboxes for the Recovery
of High Value Air Reactive Materials
Christopher Wightam, UT-Battelle

Modernizing Machine Tools for Glovebox Applications
David Lewis, LLNL

Adaptable Technology Integration for Enhanced Worker
Safety and Efficiency within the SPD Gloveboxes for
Can Cutting
Luke Davis, ORNL

Glovebox Integrity: Inspect Early, Inspect Often
Victoria Bautista & Hannah Gray, ORNL

ALARA Optimization
Jared Moraska, LANL

Standardization of Glovebox Subsystems Across MFC
Mitch Foster, INL

Dinner Cruise

Tuesday, July 29, 5:00 PM

Savor an unforgettable evening on the Evening Dinner Cruise aboard the M.S. Dixie II. Enjoy breathtaking Emerald Bay views, local cuisine, live music, and signature cocktails.

Transportation: Complimentary shuttle bus will depart Harvey's at 5 PM

Pricing: Attendees can purchase one ticket at: \$70
Guest tickets can be purchased at discounted rate of: \$140

Thursday Workshop

8 AM - 12 PM

Fundamentals of Air Filtration in Nuclear Applications

Jamie Gibson, Director & Jay McCown, Senior Research Engineer
Mississippi State University, Institute for Clean Energy Technology

**Additional registration fee applies. See registration form.*

Spouse Hospitality

Monday, 1 PM - 5 PM, Summit Room, 16th Floor

Spouses are invited to relax, enjoy snacks, and connect in our spouse hospitality room! Drop in for casual conversation and fun activities. Children welcome.

Registration Info

To register for the AGS Annual Conference & Exposition:

MAIL Your completed form with check, money order, government training form, government purchase order or credit card information to:

American Glovebox Society
526 South E Street, Santa Rosa, CA 95404
Telephone: (800) 530-1022
ags@gloveboxsociety.org

WEB Register online at GloveboxSociety.org

Cancellations

Cancellations must be received prior to July 7, 2025 to be entitled to a refund of registration fees less a \$50.00 processing fee.

Harrah's South Lake Tahoe

Harrah's Lake Tahoe
15 Highway 50, Lake Tahoe, NV 89449

Group Rate: \$149 Weekday, \$229 Weekend
Resort Fee: \$26.95
Cut-off Date: July 7th

For booking link, visit GloveboxSociety.org

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Advanced Technology Group



COMPA
INDUSTRIES INC.

AGS CONFERENCE 2025

JULY 28 - 31, 2025 ~ Harrah's Lake Tahoe, NV

Registration Form

Name Last (Surname): _____ First _____ Middle Init. _____

First name/Nickname for badge _____ Company _____

Mailing address is my ☐ Home ☐ Business

Mailing Address _____ City _____

State/Province _____ Postal/Zip Code _____ Country _____

Daytime phone number: (_____) _____ FAX number: (_____) _____

Email: _____

Conference Registration

	BY JULY 7	AFTER JULY 7	
<input type="checkbox"/> CONFERENCE & WORKSHOP (MON. - THUR)	\$1050.00	\$1100.00	\$ _____
<input type="checkbox"/> CONFERENCE ONLY (MON. - WED.)	\$945.00	\$995.00	\$ _____
<input type="checkbox"/> THURSDAY WORKSHOP (THUR.)	\$295.00	\$345.00	\$ _____
<input type="checkbox"/> STUDENT RATE (MON. - WED.)	\$495.00	\$545.00	\$ _____
<input type="checkbox"/> SUNSET DINNER CRUISE - REGISTRANT PRICE	\$70.00		\$ _____
<input type="checkbox"/> SUNSET DINNER CRUISE - GUEST PRICE	\$140.00 X _____ # OF TIX =		\$ _____

Payment Information

TOTAL DUE \$ _____

Payment Enclosed: ☐ Check (Payable to "AGS") ☐ Credit Card (Visa/Mastercard/Amex)

CARD NUMBER: _____

EXP. DATE: _____ CVV#: _____ BILLING ZIP _____