

**MONDAY, JULY 22nd**

## OPENING CEREMONIES

(Harbor Ballroom 1)

**8:00 AM – 8:30 AM President's Message**  
Tony Heinz, President

**8:30 AM – 9:00 AM Keynote Address**  
Ray Smith, Oak Ridge/Y-12 Historian

**9:00 AM – 9:30 AM Refreshment Break (Harbor Ballroom Foyer)**

## FOCUSED TRAINING

(Harbor Ballroom 1)

**9:30 AM – 11:30 AM Focused Training Sessions**

### Radiation 101

Mark Borland, Idaho National Lab.

### Balancing Dose Reduction from Shielding and the Impact on Workplace Ergonomics

Jenelle Mann & Jacqueline Linn, Los Alamos National Lab.

### Improved Experiment Transfers between HFEF and IMCL

Heather Chichester, Idaho National Lab.

**11:30 AM – 12:30 PM Luncheon (Sauciety Restaurant - Lobby Level)**  
*Sponsored by: Vigor Works*

**12:30 PM – 2:10 PM Focused Training Sessions**

### Shielding Design

John Newman, MBraun, Inc.

### Manipulator Selection

Greg Wunderlich, AECOM

### Gamma Testing

Greg Wunderlich, AECOM

**2:10 PM – 2:30 PM Refreshment Break (Harbor Ballroom Foyer)**

**2:30 PM – 3:50 PM Focused Training Sessions**

### Remotely Operated Sorting and Conditioning Unit for Retrieved Mixed Waste

Kevin O'Brien, Merrick & Company

### Northwest Medical Isotope Session

Carolyn Haass

### ZUOP Session

Pawel Sobkowicz, NCNR; Bartosz Dzikowski, ZUOP; Malgorzata Frelek, NCNR

**3:50 PM – 4:10 PM Refreshment Break (Harbor Ballroom Foyer)**

**4:10 PM – 5:30 PM Glovebox Demo & Hands-on-Training**  
Los Alamos National Lab. & Idaho National Lab.

### CONFERENCE MOBILE APP

Be sure to download the AGS Conference mobile app (available for both iOS and Android platforms). Download the Attendee Hub app and search AGS Conference. The app includes the schedule of events as well as information on speakers, exhibitors, and sponsors. The mobile app includes a game in which you can score points for a chance to win fun prizes! #AGSConference



**MONDAY, JULY 22nd (Continued)**

## FUNDAMENTAL TRAINING

(Lewis)

**9:30 AM – 10:30 AM Theory of Containment**  
John Newman, M.Braun, Inc.

**10:30 AM – 11:30 AM Isolator Design**  
Greg Wunderlich, AECOM

**11:30 AM – 12:30 PM Luncheon (Sauciety Restaurant - Lobby Level)**  
*Sponsored by: Vigor Works*

**12:30 PM – 1:20 PM Fabrication**  
Kevin Oliver, Springs ATG, LLC

**1:20 PM – 2:10 PM Ergonomics**  
Martha Chan, Los Alamos National Lab.

**2:10 PM – 2:30 PM Refreshment Break (Harbor Ballroom Foyer)**

**2:30 PM – 3:20 PM Installation & Operation**  
Martyn Page, AWE

**3:20 PM – 3:50 PM Procurement & Quality Assurance**  
Joe McVeigh, CNS, Y-12

**3:50 PM – 4:10 PM Refreshment Break (Harbor Ballroom Foyer)**

**4:10 PM – 5:30 PM Glovebox Demo & Hands-on-Training (Harbor 1)**  
Los Alamos National Lab. & Idaho National Lab.

**MONDAY 5:30 PM – 7:00 PM**

**Icebreaker Reception**

**Sponsored by: Merrick & Company**



**TUESDAY, JULY 23rd**

**8:00 AM – 8:30 AM Good Morning with Exhibitors/Poster Sessions**  
*Sponsored by: Teledyne Brown Engineering*

**8:30 AM – 10:00 AM Technical Sessions**

**Lessons Learned from a Glovebox Loss of Containment Incident**  
Martyn Page, AWE

**238Pu Intake During Glovebox Cable Maintenance**  
Wendy Conley, Los Alamos National Lab.

**Glovebox Hazard Event - Operator Puncture Wound During Functional Test of a Pu Glovebox**  
Kevin McGhie, Sellafield

**10:00 AM – 10:30 AM Break with Exhibitors/Posters/Glovebox Olympics**  
*Sponsored by: Teledyne Brown Engineering*

**TUESDAY, JULY 23rd (Continued)**

(Harbor Ballroom 1)

**10:30 AM – 12:00 PM Technical Sessions**

**Cold Testing Glovebox Process Equipment**  
Bryce Hinderer, Paul Herrera, & Gabrielle Vigil, Los Alamos National Lab.

**Results of Bubbler Flow Testing**  
Aaron Balsmeier, Idaho National Lab.

**Modifications to the Waste Form Testing Glovebox**  
Brandon Hill, Idaho National Lab.

**12:00 PM – 1:00 PM Luncheon (Sauciety Restaurant - Lobby Level)**  
*Sponsored by: Premier Technology, Inc.*

**1:00 PM – 3:00 PM Technical Sessions**

**Mobile PU Glovebox**  
John Newman, MBraun, Inc.

**Standards Development Committee Update**  
Craig Johnson, Standards Development Comm. Chair

**Dose Characterization for Various Glovebox Configurations Using MCNP**  
Janelle Mann, Los Alamos National Lab.

**Glovebox Shielding Methods & Applications Used at LANL**  
Ben Aguirre & Charlie Browne, Los Alamos National Lab.

**3:00 PM – 4:00 PM Break with Exhibitors/Posters/Glovebox Olympics**  
*Sponsored by: Springs Fab ATG*

**4:00 PM – 5:00 PM Technical Sessions**  
**Safety Case Led Containment Design**  
Steve Vallor, AWE

**UK Alpha Resilience and Capability Programme**  
Neil Randles & Dale McQueen, Sellafield

**WEDNESDAY, JULY 24th**

(Harbor Ballroom 1)

**8:00 AM – 8:30 AM Good Morning with Exhibitors/Poster Sessions**

**8:30 AM – 10:00 AM Technical Sessions**

**Induction Furnace Containment Steam Accident Scenario**  
Mitch Woolf, Idaho National Lab.

**Glovebox Window Materials Fire Testing**  
Martyn Page, AWE

**CSM Gauntlet Temperature Withstand Testing**  
Dave Sweeney, AWE

## WEDNESDAY, JULY 24th (Continued)

10:00 AM – 10:30 AM Break with Exhibitors/Posters/Glovebox Olympics

10:30 AM – 12:00 PM Technical Sessions

**Design & Development of the New General Use In-Glovebox Container**

Jude Oka, Los Alamos National Lab.

**RAIN Innovation in Robotics for Glovebox POCO**

Robert Skilton, UK Atomic Energy Authority

**The 100 Year Plutonium Storage Package**

Neil Randles & Ayotunde (TJ) Adebajo, Sellafield

12:00 PM – 1:00 PM Luncheon (Sauciety Restaurant - Lobby Level)

*Sponsored by: Wagstaff Applied Technologies*

1:00 PM – 2:00 PM Technical Sessions

**CNL Inert Atmosphere Gloveboxes for Actinide Molten Salt Research**

Kristin Leeder, Canadian Nuclear Lab.

**Unique Challenges of Glovebox Fabrication: How Manufacturing Evolves with Design**

Natalie Morvay, Springs ATG, LLC

2:00 PM – 3:00 PM Break with Exhibitors/Posters/Glovebox Olympics

3:00 PM – 4:30 PM Technical Sessions

**Ergonomics of Glove Ports, Glovebox Gloves, and Overgloves**

Martha Chan & Rebecca Wantuck, Los Alamos National Lab.

**Lessons Learned Converting a Commercial Enclosure to a Uranium Handling Glovebox**

Denis Johnston, Idaho National Lab.

**Lessons Learned**

Stanley Trujillo, Los Alamos National Lab.

Justin Dexter, MBraun, Inc.

4:30 PM – 5:00 PM Closing Ceremonies & Grand Prize Drawing

*Winners Must Be Present*

*Sponsored by: ISA Corporation*

## THURSDAY, JULY 25th

8:00 AM – 12:00 PM NDA Workshop (Burroughs)  
Brian Laite, Senior Level III, Leak Testing Specialists

8:00 AM – 3:00 PM Standards Development Committee (Carlton)

### GLOVEBOX OLYMPICS

Competition will be held during refreshment breaks on Tuesday & Wednesday. Each participant receives a commemorative AGS Boston theme hat.

Winners will be announced at the Closing Ceremony.

# EXHIBITORS

108		107	206		207	306		309
106		105	204		205	304		307
104	10'	103	202	10'	203	302	10'	305
102		101	200		201	300		303
100					8-7'			301

100. Fisher Company  
101. Vigor Tech USA  
102. Piercan USA, Inc.  
103. Peteresen, Inc.  
104. Piercan USA, Inc.  
105. CRL - Central Research Laboratories  
107. Walker Barrier Systems  
108. LEDynamics  
200. Ntron/Michell  
201. Bolle Safety  
202. Wagstaff Applied Technologies  
203. Vacuum Atmosphere Company  
204. Springs ATG, LLC

### POSTERS

**Responding to Personnel Contamination in the Plutonium Facility**  
Harold Chacon & Stephanie Archuleta, LANL

**Nitrogen Based Glovebox Fire Suppression System Testing**  
Ralph Clayton, LANL & Frank Broidy, Fire & Pump

**Ergonomic Shielding for Aqueous Operations**  
Santiago Jaramillio & Scott Warnock, LANL

**Upgrade of the Plutonium Electrorefining Control System**  
Vanessa Martinez & Tony Chirumbolo, LANL

205. Honeywell North Glovebox Gloves  
206. Guardian Manufacturing Company  
207. MBraun  
300. Premier Technology, Inc.  
301. Fire & Pump Service Group  
302. MK Metalfree Corporation  
303. ISA Corporation  
304. Douglas Electrical Components  
305. Vigor Works  
306. Renco Corporation  
307. Jung Gommitechnik GMBH  
309. Souriau-Sunbank Connection Technologies

**Glovebox Shielding**  
Joesph Montoya, LANL

**Upgrade of Glovebox & Waste Drum Transfer System in the Analytical Laboratory**  
Cory Kynaston, INL

**Remote Technologies & Techniques Used in the Analytical Laboratory at INL**  
Lori Lindley, INL

**Helium Leak Test of New Spool Connection**  
Renee Mondragon & Eric Chavez, LANL

**Biobased Lubricant Used in Metal Cutting Identified as Waste Diversion Strategy and Safety Improvements**  
Maryrose Montalvo & Stanley Trujillo, LANL

Exhibit Hall  
Harbor Ballroom 1&2



## Final Program

# AGS GLOVEBOX & ISOLATOR ANNUAL CONFERENCE & EXPO

JULY 22-25, 2019

Westin Boston Waterfront - Boston, MA

- HANDS-ON-TRAINING
- TECHNICAL SESSIONS
- EXHIBITS



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