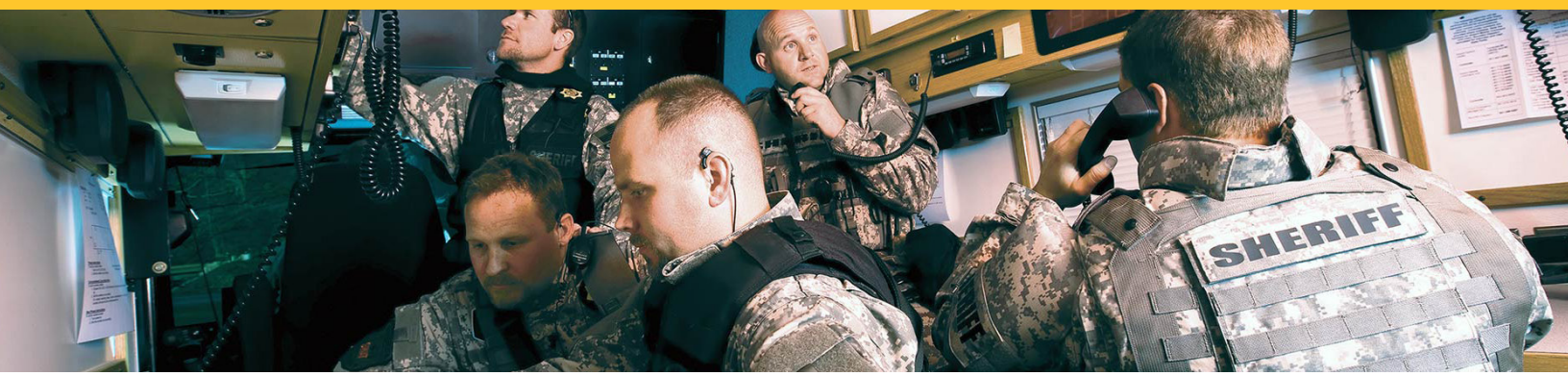
MIRION Connect 25

Annual Users' Conference

MIRION TECHNOLOGIES



Homeland Security Track

This year's conference includes three full days of practical sessions aimed at Emergency Responders, in addition to presentations, workshops, demonstrations, and the Mirion Connect Technology Hub.

MAIN OBJECTIVES

- ✓ Basic radiation safety information
- ✓ How to use instruments for source search and localization
- ✓ Keeping large events and the public safe from radiological risks
- ✓ Hands-on product demonstrations
- ✓ Share and exchange information (use cases, experiences, etc.)

SCHEDULE AT A GLANCE EARN CECS!

	MONDAY JULY 28	TUESDAY JULY 29	WEDNESDAY JULY 30	THURSDAY JULY 31	FRIDAY AUGUST 1
AM			General Session		Technology Hub
AM & PM	Training Seminars		Breakout Sessions		
	Health Physics Information Management Systems Track		Radiation Monitoring Systems Track		
				Radiopharmaceutical Track	
		Security Technology Users' Group			
		Homeland Security Track			
		Research & Technology Track	Technology Hub		
EVENINGS		Technology Hub		Group Dinner	
		Welcome Reception			

Learn more and register, please visit:
www.mirionconnect.com

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Tuesday, July 29:

1 day

Radiation Safety for First Responders

Description: The radiation class provides an in-depth exploration of nuclear science and radiation safety, designed for hazardous materials technicians and responders.

Participants will learn about the fundamental concepts of radioactivity, including definitions and principles such as mass-energy equivalence and the neutron-to-proton ratio. The course covers various types of radiation — alpha, beta, gamma/X-ray, and neutron radiation — along with their interactions with matter and appropriate shielding techniques.

Key measurements in radiation are discussed, including activity units (Becquerel, Curie) and dose units (Gray, Rad, Rem, Sievert), along with exposure metrics. The session also addresses the biological effects of ionizing radiation, focusing on cellular radiosensitivity, acute radiation syndrome, and specific risks to vulnerable populations like embryos.

In terms of practical application, the seminar emphasizes incident analysis and response planning, guiding participants through hazard assessment techniques and the development of an Incident Action Plan (IAP). It details general response responsibilities and specific scenarios such as personnel contamination and radiation level management.

Finally, the session instructs on evaluating response effectiveness, comparing actual outcomes to predictions, terminating incidents properly, and conducting thorough debriefings. Overall, this seminar aims to equip responders with essential knowledge and skills for effective radiation safety management.

Instructors: Haz Mat Guys supported by Jess Griffin

CECs: NFPA 6 units

Wednesday, July 30:

Breakout Sessions
Part 1 | 11:30am – 12:30pm
Part 2 | 1:30pm – 2:30pm

Instrumentation for Source Safari

Description: Participants will learn about the SPIR Ecosystem of products used for search and adjudication of radioactive and nuclear materials. Products include the AccuRad™ PRD, AccuRad SIM, SPIR-Ace™ RIID, SPIR-Pack™ backpack and others. Participants will learn instrument operation, search and localization techniques, collecting and recording data. This session is a two-part set. It is recommended to attend both sessions, as they build on each other. These sessions will also be helpful for participation in the Source Safari sessions offered on Thursday.

Instructor: Keith Spero & David Stewart

Thursday, July 31:

Breakout Sessions
Part 1 | 12:30pm – 1:30pm
Part 2 | 1:45pm – 2:45pm

Source Safari

Prerequisite: Instrumentation for Source Safari

Description: The Source Safari is a fun and challenging activity where teams of participants search for hidden radioactive sources. Teams are formed and assigned Mission Intelligence Briefs and Instrumentation. The Mission Briefs hold clues for the teams to search the facility and localize radioactive material using techniques learned from the previous breakout session. There will be multiple missions. Each team will be required to complete a data form and report their findings at the conclusion of the session. There are two sessions for this Breakout.

Instructor: Keith Spero, Bryan Sommers, David Stewart

Tuesday Training Presenters

THE HAZ MAT GUYS

Jess Griffin
Mirion Training Instructor supporting The Haz Mat Guys presentation

Mirion Homeland Security Team

Keith Spero
Director of Business Development Defense & Security

Carol McGowan
Sales Manager for Distribution Network

Bryan W Sommers
Sales Manager, Defense & Security

David Stewart
Director, Product Line Manager: Defense Security and Environmental