

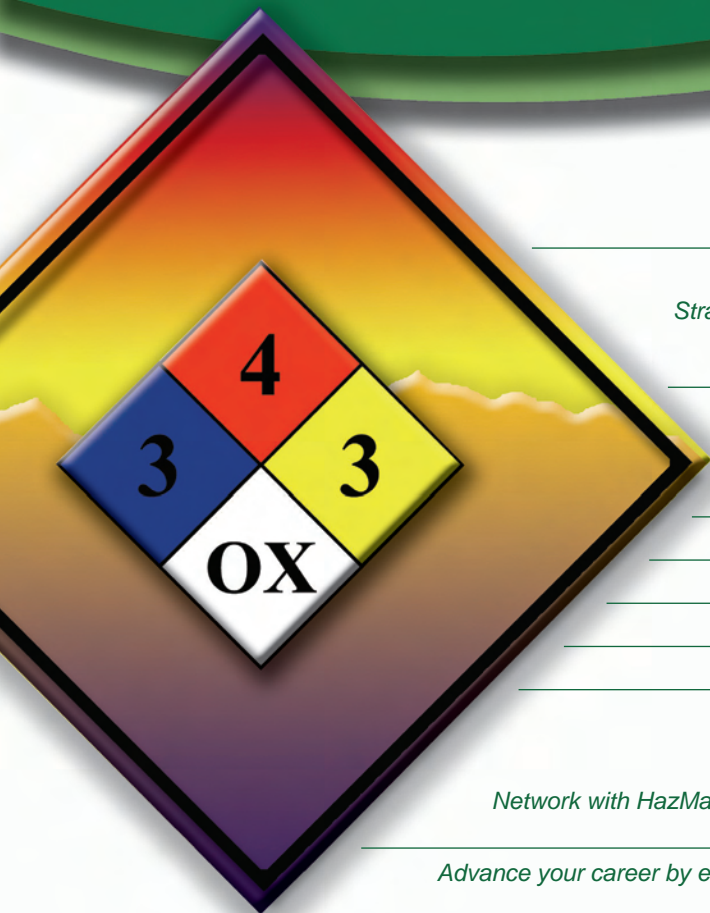
HazMat Explo⁹

Conference and Exposition

November 14 - 17, 2005

Orleans Hotel & Casino

Las Vegas, Nevada



Event Highlights:

Strategies dealing with HazMat issues from six different perspectives:

- ◆ *Medical*
 - ◆ *Radiological*
 - ◆ *Environmental*
 - ◆ *First Responder*
 - ◆ *Emergency Planning*
 - ◆ *Industrial*
-

Network with HazMat professionals and industry experts.

Advance your career by earning continuing education credits.

Real world insights from leaders in the fields of HazMat and WMD.

A conference with practical application and perspective, not textbook theory--you'll take what you learn and use it Monday morning.

hazmatexplo.org

Our Exhibitor Sponsors

A special “Thank You” goes to our Silver sponsors:

[Sponsor names]

A special “Thank You” goes to our exhibitors. Their support of HazMat Explo allows us to keep the quality of our training high, and the costs to our attendees among the lowest in the country. If your company would like to become a sponsor for next year, please contact Kevin Zarrabi with Kinetix, Inc., at (702) 480-4554.

1/4 page ad

Contents

Contents	3
Welcome	4
Keynote Speaker.....	5
Conference At-a-Glance	6-3
Conference Program	14-32
Special Training	33-37
Exhibitors.....	38-39
Instructor Biographies.....	40-55



Welcome

Welcome to HazMat Explo 9!

The Conference Planning Committee and I proudly present the ninth annual HazMat Explo Conference. Over the years, we have enjoyed a tremendous return rate of conference attendees, and this year is no different. We thank you for your continued support. An extra special welcome if this is your first year with us. You will soon see why our return rate is so high. The courses covered in this conference are more valuable than ever, considering the recent string of worldwide disasters: tsunamis, hurricanes, and earthquakes. The looming threat of terrorism is also addressed in courses throughout the week. HazMat Explo has proven, once again, that the pursuit of up-to-date course material and the latest programming trends is what makes this conference a success each year.

A few highlights we want to point out include:

- Our keynote speaker is Alvin Chun, Director of the National Center for Risk Communication and Public Involvement, Office of the Science Advisor, EPA Headquarters. Join us for a delicious breakfast and learn about "Bringing out the Best in People or What to Do During a Crisis."
- We've added a new tour! This year, you can visit the Nevada Test Site, and learn more about the history of nuclear weapons testing.
- In addition, a wide variety of new classes are offered including emergency planning for people with disabilities, mass fatality management, hazmat pharmacology, isolation and quarantine, response to a chlorine spill, risk communication, community based organizations, critical incidents at railroad crossings (classroom and hands-on training in the railroad yard), toxicology, and more.
- Don't forget our terrific exhibits! Dozens of vendors on-hand to demonstrate their wares, answer your questions, and give away great prizes at the luncheon they host for you!
- Many of our classes will give you continuing education credits. Be sure to sign in for each class and receive a certificate so you can get CEUs for those courses that are approved.

Experts agree that this conference is among the best available in content quality and overall value. The low cost of this conference is deceptive to many, but cannot be achieved without the tremendous grant support we continue to receive, and our friends here at the Orleans who have committed to keeping lodging costs low, and the quality of your visit high. And most importantly, this conference is successful because of you, the people we are here to serve. We value your feedback and strive toward making this the one conference you commit to returning to year after year.

Carolyn Levering, MEd
Certified Emergency Manager



Keynote Speaker

Bringing Out the Best in People or What to Do During a Crisis



Alvin Chun, Director, National Center for Risk Communication and Public Involvement, Office of the Science Advisor, EPA Headquarters.

People are afraid when they suspect there's something bad and they don't know what's going on. We can either make it worse or bring out the best in people. There are some common sense steps to take which will go a long way in making sure that people bring out their best especially when you have an emergency situation to tend to that affects them. Good parents, pilots, remen, and managers know what to do. The steps will become apparent after this one hour presentation that was developed based on experiences with the Swiss government after the Mad Cow Outbreak, with EPA's experience after the terrorist attack on the World Trade Center, and with the SARS outbreak in China.

Captain Alvin Chun

Alvin Chun is a San Francisco native who provides training and consultation worldwide on public involvement, risk communication and organizational development.

Alvin has provided workshops and consultation nationally and internationally to a host of organizations including, the US Navy, the Department of Homeland Security, the Army Corps of Engineers, the South Australian EPA, and the South Australian Centre for Public Health. In September of 2004, Captain Chun retired from active duty in the U.S. Public Health Service Commissioned Corps after an exciting 31-year career.

Because of his unique expertise and dynamic presentations, Captain Chun was invited by then EPA Administrator Christine Whitman to give a special session on risk communication applying to environmental issues and events like the 9/11 terrorists attacks on the World Trade Center. Last year, he was a featured speaker at Washington Mutual Bank's National Executive Conference and spoke on "Bringing Out the Best in People."

Planning Committee

A special thanks to this year's HazMat Explo Conference Planning Committee:

- Linda Alonzo, Sunrise Hospital and Medical Center, Sunrise Children's Hospital
- Mike Ardito, US Environmental Protection Agency
- Richard Brenner, Clark County Fire Department
- Al Fischer, US Environmental Protection Agency
- Margie Gunn-Nutman, Lincoln County Local Emergency Planning Committee
- Pat Heyneman, AET Environmental
- Karen Kennard, Nevada State Emergency Response Commission
- Rick Martin, State of Nevada Division of Emergency Management
- Alvin Mushkatel, Urban Environmental Research, LLC
- Toni Pirotta, Clark County Office of Emergency Management
- Bill Possidente, Bechtel Nevada
- Mike Verchick, Nevada Division of Environmental Protection

Educational Opportunities

With six different tracks, every discipline benefits by attending HazMat Expo⁹. We've searched throughout the country to bring you the most up-to-date training from experts in their fields. Courses are categorized as follows:

Environmental - Environmental Health & Safety Managers
Emergency Managers, EH & S Compliance Officers,
HazMat Transportation Managers, Corporate
Decision-makers, First Responders, Federal, State
& Local Officials

Radiological - Emergency Managers, First Responders,
Federal, State & Local Officials

Medical - Hospital Safety Managers EMT/EMS Personnel
Emergency Room Protactioners Emergency
Department Management

Industry - Industrial Safety Managers General and Safety
Plant Managers Emergency Managers Federal, State
& Local Officials

First Responders - Law Enforcement, Fire Department
Personnel, Emergency Medical Technicians, HazMat
Technicians, Industrial Security Personnel

Emergency Planning - Emergency Managers, Current &
Prospective LEPC, TERC and SERC Members,

Continuing Education Credits

Nurses—Those who attend the medical sessions of the conference are eligible for continuing education credits.

EMS personnel—The Clark County Health District has approved continuing education credits in the category of Miscellaneous. The CEUs are based on hour for

Conference At-a-Glance

Sunday, November 13, 2005

5:00 PM to	On-Site Registration, Foyer outside Salon A
08:00 PM	

Monday, November 14, 2005

8:00 AM	On-Site Registration, Salon A			
	Salon J	Salon M	Salon L	Salon E
9:00 AM	FIR 01 Aircraft Composite Materials	MED 01 Public Health Preparedness - Isolation and Quarantine	EMP 01 CAMEO Workshop	IND 01 Hazardous Materials Compliance for Industry
10:00 AM	FIR 02 Dangerous Cargo in Aviation			
11:00 AM				
12:00 PM	Lunch on Your Own			
01:00 PM	FIR 03 Surviving Terrorism	MED 02 WMD: The Health Care Professional's Role in Nevada's Preparation and Response	EMP 01 (continued) CAMEO Workshop	IND 01 (continued) Hazardous Materials Compliance for Industry
02:00 PM				
03:00 PM				
04:00 PM				
05:00 PM				
<p>Tour of Yucca Mountain, Monday 6:00 AM to 6:00 PM</p> <p>The Yucca Mountain Tour will embark at the Orleans Hotel by the doors nearest the hotel elevators. Attendees are expected to be on board the bus by 6:15 AM. Wear comfortable hard sole shoes and bring a light jacket. Lunch will be served.</p>				

Conference At-a-Glance

On-Site Registration, Salon A				8:00 AM
Salon C-D	Salon K	Salon B	Fire Training Center	
RAD 01 Everything You Wanted to Know about Radiation but Were Afraid to Glow	IND 02 RCRA/DOT Hazardous Waste Training		HAZ 01 HazCat Day 1: Concepts and Basics	9:00 AM
		EMP 02 WMD Awareness 160		10:00 AM
Lunch on Your Own				11:00 AM
Lunch on Your Own				12:00 PM
RAD 01 (continued) Everything You Wanted to Know about Radiation but Were Afraid to Glow	IND 02 (continued) RCRA/DOT Hazardous Waste Training	EMP 02 (continued) WMD Awareness 160	HAZ 01 (continued) HazCat Day 1: Concepts and Basics	1:00 PM
				2:00 PM
				3:00 PM
				4:00 PM
Tour of Yucca Mountain, Monday 6:00 AM to 6:00 PM				5:00 PM
<p>The Yucca Mountain Tour will embark at the Orleans Hotel by the doors nearest the hotel elevators. Attendees are expected to be on board the bus by 6:15 AM. Wear comfortable hard sole shoes and bring a light jacket. Lunch will be served.</p>				

Conference At-a-Glance

Tuesday, November 15, 2005

8:00 AM	Keynote Breakfast - Toulouse Ballroom					
	Speaker: Alvin Chun - "Bringing Out the Best in People or What to					
	Salon M	Salon L	Salon E	Salon D	Salon F	Salon H
9:00 AM	MED03 Response to an Unconventional Mass Fatality Incident in the Wake of the WTC Attack	FIR 04 Working together to Save Lives: the South Carolina Story	IND 03 Hazardous Materials Responder/ Operations for Industry	RAD 02 Radiation Safety for Emergency Responders	RAD 04 MERRTT Training - First Responder Radiological Training	EMP 03 Are You Ready?
10:00 AM	MED04					
10:30 AM	Initial Management of Mass Casualties After Biological Attack on Urban Areas	FIR05				
11:00 AM		Pollution Prevention for First Responders				
12:00 PM	Lunch on Your Own					
01:00 PM	MED 05 Management of an Unconventional Mass Fatality Incident	FIR 08 Highway Watch	IND 03	RAD 03 Essentials of Radiological Terrorism	RAD 04 (continued) MERRTT Training - First Responder Radiological Training	FIR 06 NIMS and the Direction of ICS Training
02:00 PM						
02:30 PM		Fir09				
03:00 PM	MED06 Risk Communication...Drugs, Sex and Rock 'n Roll	Identification of Unknown substances by Field Portable Infrared				
04:00 PM						
5:00 PM 7:00 PM	Exhibitor's Reception - Mardi Gras Ballroom					

Conference At-a-Glance



Keynote Breakfast - Toulouse Ballroom					8:00 AM
Speaker: Alvin Chun - "Bringing Out the Best in People or What to					
Salon J	Salon C	Salon I	Salon G	Fire Training Center	
MTG 01 National Association of SARA Title III Program Officers - Mid-Year Meeting	FRNT 1 Frontier and Rural HazMat Risk Management	EMP 06 Homeland Security Presidential Directives	EMP 04 NIMS and the NRP, Changing the way we Respond to Major Incidents	HAZ 02 HazCat Day 2: System Expansion and Inorganics	9:00 AM
		EMP07 Risk Communication...Drugs, Sex and Rock 'n Roll			10:00 AM 10:30 AM
			FIR21 Advanced Sample Identification Techniques		11:00 AM
Lunch on Your Own					12:00 PM
MTG 01 (continued) National Association of SARA Title III Program Officers - Mid-Year Meeting	FRNT1 (continued) Frontier and Rural HazMat Risk Management	GRNT 1 Understanding Grants, Grant Makers, and Grant Takers	FIR 07 Thinking Like a Terrorist	HAZ 02 (continued) HazCat Day 2: System Expansion and Inorganics	01:00 PM
			EMP 05 Police Line - Do Not Cross (Updated)		02:00 PM 02:30 PM 03:00 PM
					04:00 PM
Exhibitor's Reception - Mardi Gras Ballroom					5:00 PM 7:00 PM

Conference At-a-Glance

Wednesday, November 16, 2005

	Salon H	Salon M	Salon E	Salon D	Salon F	Salon C
8:00 AM	RAD 05	MED 07	IND 04	ENV 01	RAD 04	TOX 01
	Organized Criminal Syndicates and International WMD Black Market	Indoor Mold: The Science, Toxicity, Health Effects, Remediation, and Ramifications	Threat Assessment for Business and Industry	Working Together to Save Lives: the South Carolina Story	MERRTT Training - First Responder Radiological Training	Toxicology for the Non-Toxicologist
9:00 AM						
9:30 AM			Transporting Hazardous Materials by Air	ENV 02		
10:00 AM				Response and Clean-up for Mercury Contamination		
11:00 AM	HazMat Expo 9 Exhibitor Hours in Mardi Gras Ballroom Exhibits Open: 8:00 am to 5:00 pm. Exhibitor Luncheon: 11:00 am to 2:00 pm Prize Drawings throughout the Luncheon!					
12:00 PM						
02:00 PM	FIR 13	MED 08	IND 06	RAD 06	RAD 04	TOX 01
	Street Smart HazMat Response	Outbreak Investigation	Package Selection, Marking, and Labeling Requirements	High-Level Nuclear Waste and Local Response to Transportation Incidents: What is Known, Needed, and Projected	(continued) MERRTT Training - First Responder Radiological Training	(continued) Toxicology for the Non-Toxicologist
03:00 PM						
04:00 PM		MED10		Hazmat Pharmacology		
05:00 PM	No Activities Scheduled					

Conference At-a-Glance



Salon J	Salon K	Salon L	Salon G	Fire Training Center	
MTG 01	GRNT 2	FIR 11	EMP 08	HAZ 03	8:00 AM
National Association of SARA Title III Program Officers - Mid-Year Meeting	Secrets of Grant Writing	Responding to Utility Emergencies	Fatality Management for the Unthinkable (Case study: Tsunami 2004)	HazCat Day 3: Mixtures	9:00 AM
		FIR12 Highway Watch	NEVO1 Nevada SERC Update		10:00 AM
HazMat Explo 9 Exhibitor Hours in Mardi Gras Ballroom Exhibits Open: 8:00 am to 5:00 pm. Exhibitor Luncheon: 11:00 am to 2:00 pm Prize Drawings throughout the Luncheon!					11:00 AM
					12:00 PM
MTG 01 (continued) National Association of SARA Title III Program Officers - Mid-Year Meeting	GRNT 2 (continued) Secrets of Grant Writing	EMP 09 Inclusive Emergency Preparedness	FIR 10 Thinking Like a Terrorist	HAZ 03 (continued) HazCat Day 3: Mixtures	02:00 PM
					04:00 PM
No Activities Scheduled					05:00 PM

Conference At-a-Glance

Thursday, November 17, 2005

	Salon M	Salon H	Salon K	Salon F	Salon D	Salon L
8:00 AM	MED 09 Radiological Training for Hospital Personnel	FIR 14 First Response to Highway Transportation Incidents	IND 11 RCRA/DOT Hazardous Waste Training	STRS 1 Stress Management and Problem Solving	ENV 03 Hazards of Pesticides to Emergency Responders	FIR 17 Critical Incidents at Railroad Crossings
9:00 AM						
9:30 AM						
10:00 AM		FIR 15 Cyanide Awareness for First Responders				
11:00 AM						
12:00 PM	Lunch On Your Own					
01:00 PM	FIR 20 WMD: The Health Care Professional's Role in Nevada's Preparation and Response	FIR 16 NIMS and the Direction of ICS Training	IND 11 (continued) RCRA/DOT Hazardous Waste Training	STRS 1 (continued) Stress Management and Problem Solving	ENV 04 Mold Assessment	FIR 18 First Response to a Clandestine Drug Lab
02:00 PM						
03:00 PM					ENV 05 Bio-Toxins Cleanup	FIR 19 Highway Watch
04:00 PM						
05:00 PM	Tour of Yucca Mountain, Thursday 6:00 AM to 6:00 PM The Yucca Mountain Tour will embark at the Orleans Hotel by the doors nearest the hotel elevators. Attendees are expected to be on board the bus by 6:15 AM. Wear comfortable hard sole shoes and bring a light jacket. Lunch will be served.					



Conference At-a-Glance

Salon J	Salon E	Salon C	Salon G	Fire Training Center	
MTG 02 U.S. EPA Emergency Prevention and Preparedness	IND 07 Highway Watch	TOX 01 (continued) Toxicology for the Non-Toxicologist	SPRT 1 Role of Spiritual Care with Crisis Counseling in Disasters	HAZ 04 HazCat Day 4: Organics	8:00 AM
	IND 08 (9:30-12:00) USDOT HazMat Regulations		SURV 1 Surviving Terrorism		9:00 AM 9:30 AM 10:00 AM 11:00 AM
Lunch On Your Own					12:00 PM
MTG 02 (continued) U.S. EPA Emergency Prevention and Prepared-ness	IND 09 Transporting Hazardous Materials by Highway	TOX 01 (continued) Toxicology for the Non-Toxicologist	EMP 11 Planning for the Successful Bio- Toxin Clean-up	HAZ 04 (continued) HazCat Day 4: Organics	01:00 PM
	IND 10 Hazardous Materials Training Requirements		EMP 10 Community Based Organizations in Disaster Situations		02:00 PM 03:00 PM 04:00 PM
Tour of Yucca Mountain, Thursday 6:00 AM to 6:00 PM					
<p>The Yucca Mountain Tour will embark at the Orleans Hotel by the doors nearest the hotel elevators. Attendees are expected to be on board the bus by 6:15 AM. Wear comfortable hard sole shoes and bring a light jacket. Lunch will be served.</p>					

Medical

November 14th, 9:00-12:00

MED01 **Salon M**
Public Health Preparedness-Isolation
and Quarantine
Samuel Stratton

Isolation and quarantine have long been staples of public health. Threats from emerging infectious communicable diseases such as SARS and concerns about biological terrorism have reinforced the need for these tools. This workshop will examine some of the legal and ethical aspects of conducting isolation and quarantine. Additionally, a case study on the 2002 SARS outbreak will be used to demonstrate the efficacy of these tools as well as the logistical, sociological, and economic consequences of their use.

November 14th, 1:00-5:00

MED02 **Salon M**
WMD: The Health Care Professional's
Role in Nevada's Preparation and
Response (same as FIR20, different
instructor)
Joe Heck

This program is presented by the Southern Nevada Area Health Education Center. It is designed for physicians, nurses, EMTs and health care practitioners. The program meets all Nevada State AB 250 legislation requirements for licensure and certification renewal.

At the conclusion of this program, participants will be able to:

- Define the term weapons of mass destruction (WMD), and categorize the types of WMD most likely to be used in acts of terrorism;
- Discuss how acts of terrorism involving WMD have impacted the public health system and the practice of medicine;
- Identify the equipment and protective clothing needed by health care practitioners when treating patients exposed to WMD;
- Recognize the signs and symptoms of exposures to WMD;
- Utilize new treatment modalities for patients exposed to WMD;
- Explain the health care practitioner's role in biological weapon surveillance

and reporting; and

- Use the Health Alert Network as an informational resource.

November 15th, 9:00-10:00

MED03 **Salon M**
Response to an Unconventional Mass
Fatality Incident in the Wake of the
World Trade Center Attack
John Nesler

This class will (1) present lessons from the World Trade Center attack, (2) define "Unconventional Mass Fatality Incident", (3) discuss six functional areas of mass fatality management, and (4) discuss the effect of contamination or contagion on fatality management.

November 15th, 10:00 -12:00

MED04 **Salon M**
Initial Management of Mass Casualties
After Biological Attack on Urban Areas
Igor Shafhid

This course will provide necessary information for medical professionals who will be involved in management of a WMD biological incident. Are your first medical decisions during a mass casualty scenario correct? What can you do in the first few hours of the initial response after a biological release with highly pathogenic microorganisms? Do you believe that your emergency system is strong enough to handle prolonged contact work with highly contagious patients inside unprepared hospitals? These questions and many more will be answered during this presentation based on the expertise and experience of the Russian military field and specialized infection control facilities.

Medical

November 15th, 1:00-3:00

MED05 **Salon M**
Management of an Unconventional
Mass Fatality Incident
John Nesler

The following topics will be presented: (1) multi-agency approach to mass fatality management involving a contaminated incident, (2) contaminated crime scene operations, (3) decontamination of the dead, (4) identification of contaminated or highly contagious remains, (5) final disposition issues.

November 15th, 3:00-5:00

MED06 **Salon M**
Risk Communication...Sex, Drugs and
Rock 'n Roll (same as EMP07)
Alvin Chun

Communication is a serious business and even more so when the situation is fearful. Our actions and words are forms of communication that can either increase the level of risks or moderate it in people's minds. This can make a dramatic difference in our success in responding to emergencies where lives are at stake. During this 2 hour discussion you will see how good intentions and unmanaged communications may work against you. You will see how understanding sex, C.O.K.E., and rock 'n roll can make a difference in your work.

November 16th, 8:00-11:00

MED07 **Salon M**
Indoor Mold: The Science, Toxicity,
Health Effects, Remediation, and
Ramifications
Hung Cheung

Health is the underlying driver. The stigma of mold contamination continues until health concerns are removed. Topics will be discussed from a public health baseline as health guidance is essential to employees, building occupants and building owners. The critical environmental incident management path will be evaluated through the process stages of an incident life cycle from the occupant health perspective. Case studies will illustrate key health-related points and

touch on awareness, prevention and legal issues in Nevada.

November 16th 2:00-4:00

MED08 **Salon M**
Outbreak Investigation
Brian Labus

Infectious disease outbreak investigation has traditionally been the domain of epidemiologists in public health departments. Outbreaks are treated as a public health and medical matter with no consideration of the involvement of a criminal element. With the increasing threat of bioterrorism, public health investigations must be approached in a manner that will not compromise the criminal case if the outbreak is determined to be of intentional origin. Forensic epidemiology is the intersection of public health and law enforcement, drawing on the strengths of both disciplines to develop a seamless, multidisciplinary response to outbreaks of intentional origins.

November 16th, 4:00-5:00

MED10 **Salon M**
Hazmat Pharmacology
Chris Weber

Paramedics that work with hazardous materials teams encounter unusual challenges. This class is designed to serve as an advanced class for paramedics and hospital professionals describing the use of specially equipped hazmat drug boxes. The class covers some hazmat basics as well as laying the foundation of pharmacology and biochemistry needed for a deeper understanding and application of the treatment protocols.



Radiological

November 14th 9:00-5:00

RAD01 **Salon C-D**
Everything you Wanted to know about Radiation but were Afraid to Glow
Carl Palladino

This course consists of three modules consisting of a lecture on the characteristics of nuclear radiation and response to a radiological terrorism incident, a 2-hour hands-on exercise, and review of interesting and relevant case studies. November 15th, 9:00-5:00;

November 15th, 9:00-12:00

RAD02 **Salon D**
Radiation Safety for Emergency Responders
Chris Fontana

This course provides non-radiological workers with the basic knowledge necessary to safely identify the presence of radioactive materials and ionizing radiation sources, to identify what radiation levels are significant while responding to an emergency and to do so in a manner consistent with the “as low as reasonably achievable” (ALARA) principles. Course Outline:

- (1) Fundamental Understanding of:
 - ionizing radiation
 - biological effects of ionizing radiation exposure
 - radiation protection concepts
- (2) A brief description of Radiation Safety and Health Protection

November 15th, 1:00-5:00

RAD03 **Salon D**
Essentials of Radiological Terrorism
Greg Dempsy

With both chemical and biological terrorism major topics of discussion, is America ready to handle radiation terrorism? Learn how to respond to a radiological terrorist incident, such as preparing plans and procedures nationwide, detecting radiation, handling radioactive contaminated materials, site control, preventing mass hysteria, media and public communication and more.

November 14th 9:00-5:00 and November 16th, 8:00-5:00

RAD04 **Salon F**
MERRTT Training - First Responder Radiological Training
Tom Clawson and John Lund

The U.S. Department of Energy's (DOE) Modular Emergency Response Radiological Transportation Training (MERRTT) program addresses emergency responder concerns about response to accidents involving radioactive material. Upon successful completion of the MERRTT Train-the-Trainer, each student will receive a Department of Energy issued Train-the-Trainer certificate and a copy of all MERRTT materials on a compact disk set. For responders needing continuing education hours the DOE will offer 11.5 CEHs authorized by the Continuing Education Coordination Board for Emergency Medical Service (CECBEMS).

Radiological

November 16th, 8:00-10:00

RAD05 Salon H
Organized Criminal Syndicates and
International WMD Black Market

Igor Shafhid

In the constantly changing world of terrorism, the threat of using WMD material/devices against populations and states still runs high. Unfortunately, use of RDD (Radiological Dispersal Devices), IND (Improvised Nuclear Devices), chemical munitions type and improvised chemical devices as well as dispersion of pathogenic microorganisms remain possible. This presentation covers different types of weapons grade materials and their availability on the international black market.

November 16th, 2:00-4:00

RAD06 Salon D
High-Level Nuclear Waste and Local
Response to Transportation Incidents:
What is Known, What is Needed, and
What is Projected

Alvin Mushkatel

This class will review plans to transport high-level nuclear waste through Nevada to the Yucca Mountain Repository. Both potential rail and truck routes will be examined along with the potential impacts from a transportation incident. Local first responder representatives from police, fire and emergency management agencies will take part in a roundtable in which they discuss their agency's current ability to respond effectively to a high-level nuclear waste transportation incident, as well as their efforts to project their personnel, training and equipment needs through the 24 year transportation shipping campaign. A model for projecting impacts on local public safety agencies in Clark County will be presented and its results discussed.

Environmental

November 16th, 8:00-9:30

ENV01 Salon D
Working Together to Save Lives: The South Carolina Story (same as FIR04)
Gurney Wiggins

The talk is about the response to the train derailment that released 80 tons of chlorine into the surrounding community of Graniteville, South Carolina. Over 100 agencies came together to mitigate a very bad situation. The impact to the local community and the responders will be discussed.

November 16th, 9:30-11:00

ENV02 Salon D
Response and Clean-up for Mercury Contamination
To be determined

This course will discuss the health hazards of exposure to elemental (metallic) mercury, sources of mercury, clean-up standards, and response strategies for sites where mercury has been spilled. The focus will be on schools, residences, and public buildings. Case studies of recent mercury responses will be conducted by participants. Detection equipment will be demonstrated and sources of assistance will be discussed.

November 17th, 8:00-12:00

ENV03 Salon D
Hazards of Pesticides to Emergency Responders
Harvard Fong & Mike O'Malley

This 4-hour workshop is geared toward EMTs and other first responders who might have to respond to a pesticide emergency. Using cases of actual incidents, participants will explore procedures for dealing with pesticide incidents while protecting personnel, equipment and facilities from secondary contamination. Toxicology, triage, first aid, treatment, transportation and PPE will be covered, as well as the California Department of Pesticide Regulation Emergency Response Protocol.

November 17th, 1:00-3:00

ENV04 Salon D
Mold Assessment
Mike Buettner

The participants of this course will understand the basic principles of mold assessments to include asthma triggers associated with indoor air quality (IAQ) contamination. Students will learn industry best practices and standards for mold assessment methods including the importance of observation leading to an IAQ hypothesis. This will include equipment usage and the proper procedures for the paperwork involved, i.e. chain of custody forms, calibration logs, inspection checklists and laboratory reports. In addition, they will acquire a fundamental understanding of laboratory reports and how to interpret the results from those reports according to recognized guidelines.

The inspection procedures are limited to ruling out significant mold contamination. Students are taught to refer IAQ contamination investigations to qualified professionals and that only qualified professionals should perform a full IAQ investigation or remediation procedures.

November 17th, 3:00-5:00

ENV05 Salon D
Bio-Toxins Cleanup
Bill Albrecht

"When is it clean enough?" is the issue addressed by this course. How do you decontaminate people, places and things following a biotoxin release? What is effective and what isn't for the most common biological agents? Case studies will be provided to illustrate the different decontamination methods that were attempted following anthrax events. The instructor will discuss what worked and what did not as well as the logistics of attempting to clean-up following a biotoxin release.

First Responder

November 14th, 9:00-10:00

FIR01Salon J
Aircraft Composite Materials
Jim Anderson

Composite materials, used in military aircraft, are strong lightweight synthetic materials that are potentially dangerous in a fire and post-fire environment. A look at history will reveal that usually the first emergency responders on the scene of military aircraft incidents are not military personnel, but civilian fire, police, or medical responders.

This presentation will not only teach the basics about how composites are made and utilized, but also the common locations where they are found in today's military, general aviation, and commercial aircraft. With the information gained, emergency responders will become better prepared to mitigate emergency situations involving downed aircraft, fire, and debris removal. Although these materials are potentially dangerous in a fire and post fire environment, composite materials are manageable.

The presenter does not believe in re-inventing the wheel and shows where the emergency community can (at no cost) obtain the most current information related to composite mishaps. These resources have been meticulously compiled and maintained by the USAF in the form of its Aircraft Crash Rescue Tech Manual, and internet course on managing composite mishaps. The end product is a common thread of knowledge, terminology and recommended procedures that will minimize the risk to personnel called upon to assist in an aircraft accident that involves a composites mishap.

November 14th, 10:00-11:30

FIR02Salon J
Dangerous Cargo in Aviation
Jim Anderson

Fighting cargo fires in aircraft is a task that is dangerous and dirty. It can be extremely labor intensive, while taxing your equipment and other resources. Due to aircraft construction materials, and potentially hazardous cargo, most aircraft can be looked upon as potential flying hazardous materials incidents.

The world community adheres to Dangerous

Goods Regulations placed in force by the International Air Transport Association, Montreal, Quebec Canada. Commercial shippers, however will not always adhere to these safety standards. This poses danger for all responders who respond to aircraft cargo incidents. A closer look at these hazards and how to deal with them will minimize your likelihood of becoming injured. Your ability to perform aircraft rescue and firefighting, as well as hazardous materials mitigation will improve after attending this presentation. This presentation will explain how poisons from dangerous cargo can enter our bodies as well as how they may poison us. Also discussed will be generic shipping guidelines in compliance with IATA, as well as basic hazardous materials emergency response procedures.

November 14th, 1:00-5:00

FIR03Salon J
Surviving Terrorism (same as SURV1)
Duane Dean Mallett

What do you do if you're sitting at a restaurant and a terrorist comes in and starts shooting? What if the pin on a grenade is pulled out and the grenade is rolled under your seat? How do you protect yourself from biological WMD? These are a few of the scenarios that will be acted out and discussed during the class. Attendees will receive instruction on the history, mind-set and tactics of terrorism. The course focuses on practical applications that will increase the likelihood of surviving a terrorist attack. The scenarios will include hands-on training, dispelling many of the myths surrounding this timely topic. [Don't be alarmed—although the weapons used in the demonstrations look and sound real, they are not real; they only produce loud noises.]

November 15th, 9:00-10:30

FIR04Salon L
Working Together to Save Lives: The South Carolina Story (same as ENV01)
Gurney Wiggins

The talk is about the response to the train derailment that released 80 tons of chlorine into the surrounding community of Graniteville, South Carolina. Over 100

First Responder

agencies came together to mitigate a very bad situation. The impact to the local community and the responders will be discussed.

November 15th, 10:30-12:00

FIR05 Salon L
Pollution Prevention Basics for First Responders

Kevin Dick and Ken Trankle

Pollution Prevention (P2) is a way for businesses to reduce their impact on the environment through source reduction, substitution of toxic chemistry for less or non-toxic alternatives, process efficiency, and recycling. For first responders and homeland security issues, P2 is a tool that can help reduce dangers for both the community and the responding agencies. This session will explore these opportunities; provide resources and local contacts to help you protect your regulated community.

November 15th, 1:00-5:00

FIR06 Salon H
NIMS and the direction of ICS training and development (same as FIR16)

Jon Olney & Geoff Wilford

Attendees at the end of the four hours will have completed IS-700 "National Incident Management System (NIMS), An Introduction," the documents necessary to submit to the National Fire Academy for IS-700 certification and will be up to date on the current revisions of the Incident Command System (ICS) courses and the current development of the Incident Management Team (IMT) Type 3 training and certification. There will be an opportunity to ask the ICS or NIMS question you always wanted to ask, but couldn't.

November 15th, 1:00-3:00

FIR07 Salon G
Thinking like a Terrorist (same as FIR10)

Steve Hightower

This two-hour session is intended to place you "in the shoes" of the terrorist in order to examine terrorism from a decidedly unique perspective.

In doing so, we will examine what motivates individual terrorists or terrorist groups to commit acts of terrorism. We will then follow a Process of Terror and discuss how the terrorist's ideology or motivation leads to setting specific goals and objectives followed by selecting targets, as well as determining which tactics, and weapons could be used against YOU!

The presentation includes a discussion of the terrorist attacks on New York and Washington D.C. as well as the implications for individual and community safety and preparedness following these tragic events.

November 15th, 1:00-2:30

FIR08 Salon L
Highway Watch (same as FIR12, FIR19, IND07)

Ron Levine

Highway Watch® is the roadway sector's national safety and security program that utilizes the skills, experiences, and "road smarts" of America's transportation workers to help protect the nation's critical infrastructure and the transportation of goods, services, and people. Highway Watch® participants are specially trained to recognize potential safety and security threats and avoid becoming a target of terrorists. The Highway Watch® effort seeks to prevent terrorists from using large vehicles or hazardous cargos as weapons. Highway Watch® training provides participants with the observational tools and the opportunity to exercise their expert understanding of the transportation environment to report safety and security concerns rapidly and accurately to the authorities. In addition to matters of homeland security stranded vehicles or accidents, unsafe road conditions, and other safety related situations are reported eliciting the appropriate emergency responders.

Highway Watch® is administered by the American Trucking Associations (ATA) under a Cooperative Agreement with the U.S. Department of Homeland Security (DHS). Participants will watch a 52-minute video and then, if desired, will complete the paperwork required to become a Highway Watch Professional.

First Responder

November 15th, 2:30-4:30

FIR09 **Salon L**
Identification of Unknown Substances
by Field Portable Infrared
Scott Fitzpatrick

Infrared spectroscopy has been a widely accepted technology for the last 30 years. In the past, IR instruments were large and fragile. Now, first responders are using them in the hot zone for nearly instant identification of unknown liquids and solids. This course will teach the first responder how IR works and how to integrate IR into their overall response. Many diverse applications will be discussed. This course will be relevant to all first responders, including police, fire, hazmat, public works and health departments.

November 16th, 2:00-4:00

FIR10 **Salon G**
Thinking like a Terrorist (same as FIR07)
Steve Hightower

(See description of FIR 07)

November 16th, 8:00-10:00

FIR11 **Salon L**
Responding to Utility Emergencies
Mike Callan

Responding to utility emergencies is one of the most common events fire fighters have to face. Yet we have only a limited knowledge of the lethal hazards present. This program presents a timely and common-sense approach to handling utility emergencies. Using subject matter experts from the utility industry, Michael Callan developed a textbook, **Responding to Utility Emergencies**. Through the text book and in conjunction with an Instructor CD, he delivers practical, experienced-based training with which the responder can successfully handle electric and natural gas emergencies in the future.

November 16th, 10:00-11:30

FIR12 **Salon L**
Highway Watch (same as FIR08, FIR19,
IND07)
Ron Levine

(See description of FIR 08)

November 16th, 2:00-5:00

FIR13 **Salon H**
Street Smart HazMat Response
Mike Callan

Whether you are a first responder, technician, industrial response team member or any other type of emergency responder, you have to be "street smart" to survive. This session looks at some practical lessons and approaches to handling dangerous chemicals.

The session will look at the safety and response attitudes in place that limit successful emergency response activities. Using illustrations from his new book from ISFTA Street Smart HazMat Response, Mike Callan will bring a practical approach to Hazmat size-up and a common sense method to making decisions at a hazardous materials event. Plus, Mike brings his own unique training style to this educational and enjoyable session.

November 17th, 8:00-10:00

FIR14 **Salon H**
First Response to Highway
Transportation Incidents
Steve Hermann

See hundreds of color slides involving responses to dozens of highway chemical spills. Review utilization of the US DOT Emergency Response Guidebook to determine isolation and protective action distances. Discuss risk benefit analysis and determine the criticality of entry into the hot zone. See how understanding detection instrument readings can have a major effect on available courses of action. See the role of the trucking company, and understand their legal obligations.

First Responder

November 17th, 10:00-12:00

FIR15 Salon H **Cyanide Awareness for First Responders**

Bill Albrecht

Cyanide is transported throughout Nevada to gold and silver mines where it is used to extract the precious metals from the ore. This class will familiarize responders with how liquid sodium cyanide is manufactured, transported and used as well as the hazards associated with the chemical. In addition, emergency response procedures will be covered.

November 17th, 1:00-5:00

FIR16 Salon H **NIMS and the direction of ICS training and development (same as FIR06))**

Jon Olney & Geoff Wilford

(See description of FIR 06)

November 17th, 8:00-4:00

FIR17 Salon L **Critical Incidents at Railroad Crossings** Robert Bavier & Cecil Marks

The Department of Homeland Security recently placed Railroad and the Transportation Sectors as critical infrastructures that may be targeted by terrorists. If the railroad runs through your jurisdiction, then this is a must training for law enforcement, fire, medical, and other Emergency Response Services. The morning classroom training covers derailments, HazMat, critical structures, and more. The afternoon session will be hands-on training with equipment in the railroad yard.

November 17th, 1:00-3:00

FIR18 Salon L **First Response to a Clandestine Drug Lab**

Steve Hermann

Understand the two primary types of methamphetamine labs and the basic flammable, corrosive and toxic chemicals involved. Review indicators of clan lab materials being transported in vehicles

and see items found at dozens of clan labs. Problems involved with potential use of cartridge respirator masks, and OSHA requirements which make a clan lab a miniature hazardous materials incident. See a simplified decontamination procedure and discuss assessment and scene clearance procedures.

November 17th, 3:00-4:30

FIR19 Salon L **Highway Watch (same as FIR08, FIR12, IND07)**

Ron Levine

(See description of FIR 08)

November 17th, 1:00-5:00

FIR20 Salon M **WMD: The Health Care Professional's Role in Nevada's Preparation and Response (same as MED02, different instructor)**

Bill Perlmutter

(See description of MED 02)

November 15th, 11:00-12:00

FIR21 Salon G **Advanced Sample Identification Techniques: FTIR & Raman Spectroscopy**

Chris Weber

Identifying an unknown sample can be a daunting task for hazmat technicians in the field. We will explore two advanced techniques: Fourier Transform Infrared Spectroscopy (FTIR) and Raman Spectroscopy. We will cover how each instrument works, the advantages and drawbacks of each instrument, how to optimally use the instrument in the field, and compare these two techniques to other established sample identification tools. The goal of this session is to make these "black boxes" comprehensible.

Emergency Planning

November 14th, 9:00-5:00

EMP01 Salon L
CAMEO Suite Workshop
Robert Cook

This course will be an introduction to CAMEO (Computer Aided Management of Emergency Operations) suite for planners and responders to hazardous materials incidents. This course will provide the current CD-ROM and hands-on experience in its use and application. Participants must bring a laptop computer running Windows 98 or later. Problem sets will include use of chemical library, plume modeling, mapping, and population estimates. CAMEO is a nationally recognized resource for the emergency planning community and responders.

November 14th, 10:00-5:00

EMP02 Salon B
WMD Awareness 160
Kevin Featherstone

This course addresses the special needs of responders to incidents which may have been caused by terrorist action. The response to terrorism program builds upon the firm foundation provided by the hazardous materials curriculum and adds specialized information concerning the current Department of Justice definitions of terrorism, recognition of suspicious circumstances, self protection at potential terrorist scenes, and specialized incident command issues.

November 15th, 9:00-12:00

EMP03 Salon H
Are You Ready?
Bill Perlmutter

Terrorism forces us to make a choice. We can be afraid or we can be ready. Terrorists are working to obtain biological, chemical, nuclear and radiological weapons and the threat of an attack is very real. While there is no way to predict what will happen, or what your personal circumstances will be, there are simple things you can do now to prepare yourself and your loved ones.

November 15th, 9:00-11:00

EMP04 Salon G
NIMS and the NRP, Changing the Way We Respond to Major Incidents
Steve Hightower

With the adoption of the National Incident Management System (NIMS) in March 2004 and the new National Response Plan (NRP), we now have a truly consistent, standardized, nationwide approach for federal, state, and local agencies to work effectively and efficiently together to prepare for, respond to, and recover from domestic incidents, regardless of their cause, size, or complexity.

Unfortunately, many responders still remain confused about what requirements NIMS and the NRP place on all response agencies and how we must adopt and implement them. This 2-hour session is intended to clear away the smoke and lay out these new systems and plans in clear, concise, and easy to understand terms.

November 15th, 3:00-5:00

EMP05 Salon G
Police Line - Do Not Cross: Updated
Bill Perlmutter

This is an interactive course that takes emergency managers and planners from a casino disaster caused by terrorists that lived and blended in with the local community, and brings them back in time to all the warning signs that existed and were missed by security personnel as well as fellow workers. This major disaster was preventable had numerous people acted prior to the attack.

November 15th, 9:00-10:00

EMP06 Salon I
Homeland Security Presidential Directives
Mike Ardito

This session will provide an overview and discussion of the Homeland Security Presidential Directives (HSPDs) issued over the last two years. In particular, HSPD #5 (Management of Domestic Incidents) and HSPD #8 (National Preparedness) will be examined to determine what the directives mean for federal, state and local response agencies.

Emergency Planning

November 15th, 10:00-12:00

EMP07 **Salon I**
Risk Communication Drugs, Sex and
Rock 'n Roll (same as MED06)

Alvin Chun

Communication is a serious business and even more so when the situation is fearful. Our actions and words are forms of communication that can either increase the level of risks or moderate it in people's minds. This can make a dramatic difference in our success in responding to emergencies where lives are at stake. During this 2 hour discussion you will see how good intentions and unmanaged communications may work against you. You will see how understanding sex, C.O.K.E., and rock 'n roll can make a difference in your work.

November 16th, 8:00-10:00

EMP08 **Salon G**
Fatality Management for the Unthinkable
(Case Study: Tsunami 2004)

Barbara Butcher

This presentation will review the events of the Tsunami of Southeast Asia, and includes photos of the affected areas and work sites set up to process the fatalities. Mitigation of public health hazards will be addressed, highlighting the misconceptions of the public and public officials alike. The decision as to whether or not to identify victims will be discussed, with a matrix helpful in making that kind of resource-allocation determination. The Interpol DVI , DMORT VIP, and NYC Medical Examiner WTC identification data systems will be described with the pros and cons of each.

The second part of the presentation will describe a model for mass fatality management formulated by the New York City Office of Chief Medical Examiner, and recommended to the government of Thailand for their future use in disaster planning.

November 16th, 2:00-5:00

EMP09 **Salon L**
Inclusive Emergency Preparedness
Carl Cameron

The inclusion of people with disabilities in emergency preparedness plans is both important and required by the Americans with Disabilities Act. To facilitate inclusion of all people, the Disabilities Preparedness Center presents this session on how to develop comprehensive plans that include the specific needs of people with disabilities and other special needs. This is a practical oriented session that leads the participant through a three-stage collaborative process of developing a more inclusive plan. The guide covers key areas that all organizations need to address, and includes a section that lists additional resources for including people with disabilities in your emergency preparedness plan and planning process.

Preparing for possible emergencies need not be a complex process. The simple, often low cost steps that save lives and reduce property damage in disasters can be adapted to include the emergency needs of people with disabilities. This training helps you identify crucial needs of people with disabilities that can be used to shape inclusive strategies for emergency planning. The 3 hour training is designed to be used in two ways: first as a self-assessment instrument to determine disability-related strengths and weaknesses of your current emergency planning; and second, to provide guidance for revising or preparing your emergency plan. The session includes: Self-Assessment -- identify and arrange practical and realistic information on how to include people with disabilities and other special needs in your emergency preparedness plan; Emergency Preparedness Action Plan -- designed to assist you with the implementation of your new emergency preparedness procedures for people with disabilities, and a Resources and Equipment plan that provide real world suggestions for implementation of action items.



Industry

November 14th, 9:00-5:00

IND01 Salon E
Hazardous Materials Compliance for Industry
Scott Alquist

This presentation will guide participants through the major requirements for hazardous materials compliance. This instructor led session will include: SARA Title III planning, permitting and reporting; OSHA mandates to include hazard assessments, written program requirements, employee training and PPE assessment procedures; and the newest Department of Transportation requirement for those who ship hazardous substances. Attendees will receive a copy of the presentation materials and a collection of forms to assist in compliance.

November 14th, 9:00-5:00

IND02 Salon K
RCRA/DOT Hazardous Waste Training (same as IND11)
Pat Heyneman

The objective of this course is for students to learn the federal hazardous waste generator regulations which regulate CESQGs (conditionally exempt small quantity generators), SQGs (small quantity generators) and LQGs (large quantity generators). Learning generator requirements is important to ensure that regulations are complied with and that non-compliance does not inadvertently subject a facility to further regulations. This training will serve as certification for Large Quantity Generators.

November 15th, 9:00-5:00

IND03 Salon E
Hazardous Materials Responder/ Operations for Industry
Scott Alquist

This session will meet the requirements for Level 2 Hazardous Materials Responders as mandated under NFPA 472 and OSHA's 29CFR1910.120 standards. Participants will be instructed in the following: personal protective equipment, hazard and risk assessments, risk management, decontamination issues, toxicology and basic hazmat chemistry. Those who successfully complete the course will receive a certificate of completion for Hazardous Materials Responder - Level 2 operations.

November 16th 8:00-9:00

IND04 Salon E
Threat Assessment for Business and Industry
Joe Heck

In the aftermath of 9-11 and the creation of the Department of Homeland Security, the federal government has expended significant resources in an attempt to ensure first responder preparedness and critical infrastructure protection. But what about hometown businesses and industries – the very lifeblood of local economies? Businesses of all types and sizes also need to plan and prepare for when disaster – natural or man-made – strikes. This lecture will introduce the participants to the concepts of “All-Hazards Planning” as it applies to business and industry.



Industry

November 16th, 9:00-11:00

IND05 Salon E
Transporting Hazardous Materials by Air
Pat Romero

Learn how to recognize hazardous material (dangerous goods) and review safety issues unique to Air Transportation.

November 16th, 2:00-5:00

IND06 Salon E
Package Selection, Marking, and Labeling Requirements
Pat Romero

Learn how to select the proper package, properly mark the package, and label the package.

November 17th, 8:00-9:30

IND07 Salon E
Highway Watch (same as FIR08, FIR12, FIR19)
Ron Levine

(See description for FIR 08)

November 17th, 9:30-12:00

IND08 Salon E
USDOT HazMat Regulations
Pat Romero

The course will provide an overview of recent (post 9-11-2001) changes to the Federal Hazardous Materials Regulations, including new security regulations. The focus will be on highway transportation although intermodal topics will be discussed. In addition to final rules, the discussion will include information on upcoming rulemakings and other major issues relating to the transportation of hazardous material. information on upcoming rulemakings and other major issues relating to the transportation of hazardous material.

November 17th, 1:00-3:00

IND09 Salon E
Transporting Hazardous Materials by Highway
Pat Romero

Learn how to recognize HM (dangerous goods) and review safety issues unique to each mode of transportation. Learn how state and local enforcement authorities implement the enforcement of 49 CFR.

November 17th, 3:00-5:00

IND10 Salon E
Hazardous Materials Training Requirements
Pat Romero

Discuss the hazmat employer and employee training requirements in 49 CFR 172.700

November 17th, 8:00-4:00

IND11 Salon K
RCRA/DOT Hazardous Waste Training
Pat Heyneman

(See description for IND02)

Special Training

November 16th 10:00-11:00

NEV01 **Salon G**
Nevada SERC Update
Karen Kennard

This session is specifically designed to include LEPC and SERC interaction. During this meeting, you'll meet with the SERC's Executive Director, Ms. Karen Kennard. She'll discuss the future of the SERC and policy changes that have already been made. She will also hold an open forum for questions and comments from the audience to be furnished to the SERC for consideration

HazCat: Day 1, 9:00-5:00

HAZ01 **Fire Training Center**
Concepts and Basics
Walter Sweet

All classes are taught in a hands-on manner. In Day 1, the students learn the basics of the Haztech System. They will learn to use the two main flow charts, liquids and solids, how to perform the various tests, how to use the glassware and reagents in the kit. The students will also identify approximately 15 unknowns in this class.

Emphasis will be on learning to handle toxic and reactive chemicals safely. A knowledge of chemistry is helpful, but is not essential to operate the HazCat kit properly. Students will learn the safety procedures and proper techniques used in identifying unknowns. All unknowns in this session are found on the two main flow charts, liquids, and solids.

HazCat: Day 2, 9:00-5:00

HAZ02 **Fire Training Center**
System Expansion and Inorganics
Walter Sweet

Day 2 is the start of the system expansion. During this session the students learn how to use the sequential and the sub charts to find answers for a reaction not listed on the two main flow charts. This expands the user's capability to identify unknown materials tremendously. In Day 2, the students also study unusual reactions, inorganics and inert materials. Pure water, one of the most difficult materials to identify is studied in this session, Emphasis will be on the Char Complex of Tests and mixtures which are introduced in this session.

HazCat: Day 3, 9:00-5:00

HAZ03 **Fire Training Center**
Mixtures
Walter Sweet

Day 3 teaches the students how to separate and identify mixtures and solvents. During one exercise, students will work on a simulated abandoned container which has up to 15 different materials inside. Contaminated water is included in this session. Also included are additional Char Complex exercises.

HazCat: Day 4, 9:00-5:00

HAZ04 **Fire Training Center**
Organics
Walter Sweet

Here, the students identify organics by the differences in the carbon chain length, the functional groups and how they are arranged on the carbon chain. Other questions answered are why a material is viscous, what effects functional groups such as an OH (alcohol), NH₃ (amines), etc. have on the carbon compound, and how to identify these various groups by their "traits" in the various tests used in the HazCat System. Chemical bonding is explained and how it affects the viscosity, reactivity, and how to identify these bonds as in the BTEX series.



Special Training

November 15th, 9:00-5:00

FRNT1 **Salon C**
Frontier and Rural HazMat Risk Management
Fred Cowie

This course is designed for small town and rural jurisdictions, those which generally have volunteer fire departments, small sheriff offices, a mix of private, clinic and volunteer EMS organizations, and lots and lots of space. It is designed to generate hometown interest in things to do with planning, response, emergency management, hazmat and other hazards. It explains how to get communities involved, how to work with small town LEPCs, and developing good response and planning concepts for rural and frontier areas. Lots of class participation, humor and straight-talk planning as a bottom-up process. This is not a "beltway designed" course, believe me!

November 15th, 1:00-4:00

GRNT1 **Salon I**
Understanding Grants, Grant Makers, and Grant Takers
Andy Anderson

This course will help attendees understand why grants are issued and how understanding those reasons will help you get more money. It will stress the importance of matching needs with opportunities. It will point out the four biggest mistakes grant writers make when applying for grant funding. It will offer advice on starting your grant proposal, how to write a winning narrative and how to put together an appropriate budget. It will show you how to find grant opportunities and provide attendees with helpful resources and other grant information.

November 16th 8:00-5:00

GRNT2 **Salon K**
Secrets of Grant Writing
Fred Cowie

This course is a long introduction to the art of grant writing. It takes the participants through, step by step, the grant writing process. Along the way, the class is introduced to the way grant givers think, common mistakes, insights on how to win grants. Many opportunities are available to ask questions. Many examples are given of problems typically encountered. This is a grant course for people afraid of grants. There is lots of humor. This is not some boring grant course delivered by a bureaucrat!

November 16th, 8:00-3:00 and November 17th, 8:00-3:00

TOX01 **Salon C**
Toxicology for the Non-toxicologist
Gary Lage

Learn the basic facts and principles of toxicology. Determine the impact toxic substances have on the body, how metabolism affects toxicity and which exposure pathways are most likely to result in chronic intake.

November 17th, 8:00-9:00

SPRT1 **Salon G**
The Role of Spiritual Care with Crisis Counseling in Disasters
Ray Giunta

We have all heard of the importance of providing for people's physical and emotional needs in times of disaster. Since 9/11 and other mass casualty events, we are now learning that there is also a spiritual component that needs to be addressed during disasters. From the author of God @ Ground Zero, Chaplain Ray Giunta who served three months at the WTC after 9/11, you will receive an insightful understanding of the role of spiritual care in times of crisis.

Special Training

November 17th, 8:00-5:00

STRS1 Salon F
Stress Management and Problem Solving
Fred Cowie

This is a great workshop based on some very simple yet effective principles, such as, “problems are problems because we don’t know what to do.” Once we know what to do, problems just become work to do. A majority of problems in life come from miscommunication. Many are worsened by stress. Some are caused by our ignorance. Some problems never get solved because we have no process to use to solve them. What people learn early on in emergency management is that in times of emergency, there is time pressure, emotional pressure, financial pressure, lack of sleep, etc., all of which make problem solving without a relaxed process almost impossible. As the caregiver for a son with a progressive terminal illness, Fred has had to learn problem solving and decision making the hard way, by doing it over and over and over. This 10-step program includes discussion of: 1) relaxing; 2) data gathering; 3) data analysis; 4) problem definition; 5) solution options; 6) solution evaluation; 7) solution choice; 8) solution implementation; 9) in-process evaluation; and 10) starting back at step one! It’s a never ending process, and it works well!

November 17th, 9:00-12:00

SURV1 Salon G
Surviving Terrorism (same as FIR03)
Duane Dean Mallett

Attendees will receive instruction on the history, mind-set and tactics of terrorism. The course focuses on practical applications that will increase the likelihood of surviving a terrorist attack. The scenarios will include hands-on training, dispelling many of the myths surrounding this timely topic.



Special Meetings

Tuesday, November 15th

Salon J..... Mtg01

2005 NASTTPO Mid Year Meeting

8:00 – 8:45	Continental Breakfast Hazardous Materials Emergency Preparedness Grants (HMEP) Assistance. - Charles Rogoff. DOT
8:45-9:00	Welcome – Robert E. Dopp, NASTTPO President
9:00-9:30	HMEP Program Update, Charles Rogoff – DOT
9:30-10:15	Regional Updates
10:15-10:30	Break
10:30-11:15	EPA Headquarters Update - Debby Dietrich, Director of EPA's Office of Emergency Management
11:15-12:00	DHS Update –
12:00-1:15	Lunch on your own
1:15-2:45	PANEL TBA Facility Emergency Plans Under EPCRA being Required –or is it just participation in the process? What are SERC's and TERC' doing to review LEPC Plans? Are they NIMS compliant? Whose RRT's are reviewing the LEPC Plans? What are they saying?
2:45-3:00	Break
3:00-3:30	2006 Annual Conference Update – Kenny Harmon, Arkansas Emergency Management Agency
3:30-4:45	Bylaws Committee Report – Dave Crose, Indiana Emergency Management Agency

Wednesday, November 16th

Salon J..... Mtg01

2005 NASTTPO Mid Year Meeting (Day 2)

8:00 – 9:00	Continental Breakfast Hazardous Materials Emergency Preparedness Grants (HMEP) Assistance - Charles Rogoff, DOT
9:00 – 9:30	LEPC Innovative Projects/Programs- Panel TBA
9:30 – 10:00	FBI Update – Jerry Wheeler
10:00 – 10:30	General Discussion of Membership Concerns, Planning for 2007 Annual Conference
10:30 – 10:45	Break
10:45-11:15	Tier Two National progress? Who's Sharing info with Headquarters on EHS Facilities?
11:15-12:00	Relationship Between The SERC and TERC's and Homeland Security
12:00-1:00	Lunch on your own
1:00 – 1:45	Transportation Security –
1:45-2:15	Chemical Safety Board Update –
2:15-2:30	CAMEO Update-
2:30-3:00	Wrap up

Special Meetings

Thursday, November 17

Salon J Mtg02
**US EPA Emergency Prevention and Preparedness Western
Regions Conference**

- 8:30 - 9:00 Welcoming Remarks
- 9:00 - 9:30 What's new in EPA's National Emergency Preparedness Programs
- 9:00 - 9:30 What's new in EPA's National Emergency Preparedness Programs
- 9:30 - 10:00 Update from Department Homeland Security Office of Domestic Preparedness
- 10:00-10:15 Refreshment Break
- 10:15-11:00 Introduction to Protected Critical Infrastructure Information Program
- 11:00-11:30 Ceremony Honoring Regional Leadership In Emergency Prevention and Preparedness Programs
- 11:30- 1:00 Lunch / Networking
- 1:00 - 1:30 Rocky Mountains / Region 8 Program Update
- 1:30 - 2:00 Pacific Southwest / Region 9 Program Update
- 2:00 - 2:30 Pacific Northwest / Region 10 Program Update
- 2:30 - 3:15 What Makes a Vitalized LEPC?
- 3:15 - 3:30 Refreshment Break
- 3:30 - 4:20 Western Regions SERC Forum
- 4:20 - 4:30 Follow-Up Actions and Closing Remarks
- 9:30 - 10:00 Update from Department Homeland Security Office of Domestic Preparedness
- 10:00-10:15 Refreshment Break
- 10:15-11:00 Introduction to Protected Critical Infrastructure Information Program
- 11:00-11:30 Ceremony Honoring Regional Leadership In Emergency Prevention and Preparedness Programs
- 11:30- 1:00 Lunch / Networking
- 1:00 - 1:30 Rocky Mountains / Region 8 Program Update
- 1:30 - 2:00 Pacific Southwest / Region 9 Program Update
- 2:00 - 2:30 Pacific Northwest / Region 10 Program Update
- 2:30 - 3:15 What Makes a Vitalized LEPC?
- 3:15 - 3:30 Refreshment Break
- 3:30 - 4:20 Western Regions SERC Forum
- 4:20 - 4:30 Follow-Up Actions and Closing Remarks



Exhibitors

A+ Auto & Home Insurance Plus

Booth 110

11594 Mt Baldwin Ct
 Rancho Cucamonga CA 91737
 702-860-6455 909-483-00406
 agalindo@aplus.com

AET Environmental, Inc.

Booth 405

3725 West Teco Ave.
 Las Vegas NV 89118
 702-436-6228 702-2704267patheyneman@
 aetenvironmental.comwww.aetenvironmental.com

AET Environmental is a full service, woman owned, award winning 8(a) environmental services firm. Founded in 1993 by President Lori DeVito, AET is headquartered in Denver, Colorado, with offices in Utah, Nevada, Florida and Georgia. AET takes great pride in its established long-term relationships with clients founded on good communication, cooperation and trust. The company provides cost effective and practical solutions to clients' environmental requirements.

AET's solution to hazardous, industrial and universal waste handling, operations, maintenance, industrial cleaning, remediation, emergency response, and federal regulatory compliance are provided to clients nationwide. We have over 2,000 clients including federal, state and municipal government as well as private industry.



Ahura Safety Corporation

Booth 201

46 Jonspin Rd
 Wilmington MA 01887
 978 657 5555 978 657 5921
 eschmidt@ahuracorp.comwww.ahuracorp.com

Ahura's First Defender is a rugged waterproof handheld instrument for the identification of unknown liquids and solids by soldiers and first responders. It is rapid, accurate and reliable. First Defender is entirely self-contained and easy to use while wearing level A gear. It requires no calibration or consumables. Using the point and shoot feature, the instrument does not contact the sample and is effective through plastic and glass. Mixture analysis software extends the library to billions of combinations. First Defender can be counted on to deliver reliable results in all conditions and environments.



A H U R A

www.ahuracorp.com

Alexeter Technologies LLC

Booth 407

830 Seton Court, #6
 Wheeling IL 60090
 847-419-1507 847-419-1648

service@alexeter.com www.alexeter.com

The Guardian Reader System™, the first comprehensive solution for the detection & identification of biological warfare agents was introduced by Alexeter Technologies in 2000. Developed specifically for first responders, the Guardian Reader System has since become the first choice for biological detection and identification among first responders and security agencies around the world.

Alexeter offers 15-minute field results for the detection of anthrax, ricin, botulinum toxin, SEB, plague, tularemia, brucella and orthopox. Other biological agents can be detected using the BioCheck Powder Screening test. Alexeter is introducing the first hand-held detection device, the Defender TSR in December 2005.



American Society of Safety Engineers, Southern Nevada Chapter

Booth 113

8350 W. Desert Inn Rd., Suite 1090
 Las Vegas NV 89117
 702-562-0877 702-562-4985
 drhisin@cox.net www.asselv.org



Analytical Spectral Devices

Booth 204

5335 Sterling Drive, Suite A
 Boulder CO 80301
 303-444-6522
 griffin@asdi.com

Athena ISG/GTXtreme, Inc.

Booth 123 and

10282 6th Street
 Rancho Cucamonga CA 91730
 909-746-0358 X114 909-476-9154

The primary business focus of Athena ISG / GTXtreme, Inc., is protective equipment distribution to first responders including customized Level B protective suits. Athena also serves high tech biomedical markets including DoD telemedicine, medical state monitoring, control systems and life support. We are currently involved with medical triage research and development products, advance life support systems, wireless communications and biosensing programs for the military. With this background, a major focus of the corporation has been to leverage military R&D into the needs of progressive Fire Departments, HAZ-MAT teams, EMS, WMD responders and police/SWAT units.

Clark County Nuclear Waste

Exhibitors

Booth 401

500 S Grand Central Pky
Las Vegas NV 89155
(702)455-5185
emuller@co.clark.nv.us

The Nuclear Waste Program of Clark County was created in 1988 to provide program oversight, impact assessment studies and provide public outreach regarding the proposed high-level nuclear waste repository at Yucca Mountain. The Nuclear Waste Program encourages the public to:

Be informed
Stay involved
Research all the facts



conventional light to heavy rescue trucks, hazmat bodies and trailers, technical rescue (USAR) bodies and trailers, mobile command vehicles and law enforcement vehicles, including bomb units. An extensive engineering department provides a multitude of custom options tailored for the specific requirements of the agency.

Hackney
emergency vehicles

Interstate Safety & Supply Inc.

Booth 310

4114 N Pecos
Las Vegas NV 89115
(702) 876-1866
queenofsafety@interstatesafety.net
www.interstatesafety.net

Interstate Safety & Supply is a family owned, Nevada based corporation. We have been in business serving all of Nevada with industrial safety equipment since 1976. We are a full line, full service industrial safety company. We provide safety eyewear, hearing protection, fall protection, protective clothing, and gas detection devices. We provide these products, and more to the mining, construction, and gaming industries, as well as state and local governments, and utilities. We have branch locations in Reno and Las Vegas, serving all of Nevada, and parts of California, Arizona, and Utah. Our goal is to provide excellent products and services at competitive prices, and to keep our customers safe on the job.



Fluke Biomedical - Radiation Management Services

Booth 305

6045 Cochran Road Solon OH 44139
440-248-9300 440-349-2307james.prout@
flukebiomedical.comwww.flukebiomedical.com/rms

Fluke Biomedical Radiation Management Services has a history of supplying radiation detection tools, products and calibrations for the public safety services, scientific community and military. Under the Victoreen brand name, we produced the Civil Defense Meters of the 1950's and 1960's. With over 50 years of experience in these markets including the Nuclear Power systems and healthcare industries, we believe we are uniquely qualified to assist you in meeting today's emerging Homeland Security applications. Stop by and see our 451 & 990BC series survey meters and accessories as well as our 1060AM series area monitors & Vehicle Mounted detection systems.

FoxFury Action Lighting Systems

Booth 404

2091 Elevado Hills Drive
Vista CA 92084
(760) 945-4231 (760) 758-6283
fox@foxfury.com
www.foxfury.com

The Guardian Reader System™

Booth XXX

The Guardian Reader System™, the first comprehensive solution for the detection & identification of biological warfare agents was introduced by Alexeter Technologies in 2000. Developed specifically for first responders, the Guardian Reader System has since become the first choice for biological detection and identification among first responders and security agencies around the world.

Hackney Emergency Vehicles

Booth XXX

Hackney is America's leading manufacturer of Emergency Support Vehicles. Products include

Ludlum Measurements Inc.

Booth 303

501 Oak Street
Sweetwater TX 79556
325-235-5494 325-235-4672
carsond@ludlums.Com

Ludlum Measurements, Inc. manufactures instruments for the detection of ionizing radiation. Some of the uses of our equipment are:

- Detection of radioactive substances on or in people, containers and vehicles.
- Determination of exposure rate for first responders including: 1) Fire Fighters; 2) Police; 3) Customs and border officials; and, 4) Additional emergency personnel,
- Fixed and portable systems for: 1) Vehicle monitoring; 2) Pedestrian monitoring; and, 3) Building entryway monitors

At Ludlum Measurements, Inc., our goal is to maintain the highest quality standards and competitive prices while meeting the needs of our customers.

Placer Fire Equipment

Exhibitors

Booth 203

10203 Missile Way
Mather Afb CA 95655
(916) 856-1818 (916) 856-6509
dfeldman@placerefire.net
www.rescueleader.com

Pre-Paid Legal Services

Booth 306

2390 Wasabe Drive
S. Lake Tahoe CA 96150
888-497-7650
klpeuler@prepaidlegal.com

Public Safety Technologies, Inc.

Booth 114

1166 Walden Rd.
Tallahassee FL 32317
1-866-478-7501 850-942-6500
info@ps-technologies.com
www.ps-technologies.com

Public Safety Technologies, Inc. is a software design company that specializes in public safety software design for first responders. Our current products include HAZMAT Identification Made Easy - ERG and NIOSH software for Laptop computers and POKKET PC's. Now the information you need is just a point and click away. Retrieval of information is fast and accurate. The software design is so user friendly, many of our customers have told us that they have never had to look at the user's manual. Come visit us at our booth (#114) and see how easy it is to use for yourself.



Technologies, Inc.

QTL Biosystems

Booth 208

2778 Agua Fria St. Bldg C Suite BC
Santa Fe NM 87507
505-424-1000 505-424-8679
cscampbell@qtlbio.com/tbuscher@qtlbio.com
www.qtlbio.com

QTL Biosystems provides Biosensor systems to test for pathogens including Anthrax bacteria, toxins such as ricin, botulinum, Staphylococcal Enterotoxin B, and other threat agents. The system is simple, robust, and reliable, and designed for civilian and military first responders, hospital triage personnel, and Haz Mat personnel. QTL technology provides improved field-detection performance over currently available systems, in sensitivity, low false positives and negatives, simplicity, and ease of use. The Company's novel technologies integrate its expertise in chemistry, molecular and cell biology and instrumentation. For more information please visit www.qtlbio.com

RAE Systems

Booth 209

3775 North First Street
San Jose CA 95134
408.952.8200 408.952.8480
jroy@raesystems.com www.raesystems.com

RAE Systems is a leading global developer and manufacturer of rapidly-deployable, multi-sensor chemical detection monitors and networks for homeland security and industrial applications. We also offer a full line of portable single-sensor chemical and radiation detection products. Our technologically advanced products are based on proprietary technology, and include portable, wireless and fixed atmospheric monitors and photoionization detectors. Our products enable the military and first responders such as firefighters, law enforcement and other emergency management personnel to detect and provide early warning or weapons of mass destruction and other hazardous materials.



Rainwise, Inc

Booth 120

25 Federal St.
Bar Harbor ME 04609
207-288-5169 207-288-3477
Lonnie.white@rainwise.com
Rainwise.com

Salamander Technologies

Booth 304

122 W. State St. Traverse City MI 49684
231-932-4397
elizabeth@salamandertechnologies.com

Industry Standard fireTRAX® solution enables rapid, accurate tracking: personnel, equipment victims during incident/disaster. Incident managers must know WHO is on scene with WHAT credentials, WHEN they arrive/ depart, and WHERE they are located/assigned.



Search Systems, Inc.

Booth 206

PO Box 80307
Bakersfield CA 93380-0307
661-588-6270 661-588-6274
srchsys@searchsystems.com
www.searchsystems.com

The new SEARCHCAM® EntryLink 3 is a wireless video camera system that gives incident command personnel, backup personnel, and resident experts the ability to see and hear in real time what the Entry Team encounters in the Exclusion Zone. It increases safety by allowing constant monitoring of the Entry Team's actions. It typically reduces the time to resolve an incident by a minimum of 50% and quite often by as much as 90%. Features of

Exhibitors

the new model include; a smaller housing, lighter weight, laser on/off, and channel selection among other features. The EntryLink is a product proven in the field over several years.



Smiths Detection

Booth XXX

When an emergency response team is called to deal with a potentially dangerous or toxic substance, the first and most crucial question is: "What is my team facing?" Smiths Detection offers a suite of products to help answer this question quickly and safely. The products are lightweight yet rugged and easy-to-use, identify vapors, solids and liquids. The product range is based on compact systems that use either trace analysis, or the proven infrared region of the electromagnetic spectrum to differentiate and identify unknown substances. New developments will take advantage of Raman spectroscopy in handheld products to confirm analysis of unidentified liquids, powders and solids.

The Southern Nevada Chapter of the American Society of Safety Engineers

Booth: 406

The Southern Nevada Chapter of the American Society of Safety Engineers

(ASSE) has a diversified membership that supports Professional Safety in Government, Business and Industry, Building Trades, Education, Healthcare, and Hospitality in Southern Nevada. Founded in 1911, the ASSE is the oldest and largest professional safety organization with more than 30,000 members worldwide. The chapter supports opportunities for networking with local colleagues; develop skills; and a variety of local professional development offerings. Open your eyes to the world of benefits and services the American Society of Safety Engineers provides.

Southern Nevada Fire Prevention Association

Booth 112

500 N. Casino Center
Las Vegas NV 89101
702 229-0344 702 229-0124
jdonahue@lasvegasnevada.gov

The Southern Nevada Fire Prevention Association is a Non-Profit Association providing fire and life safety programs and educational instruction to a wide range of audiences in the State of Nevada. When you join the Southern Nevada Fire Prevention Association, you join a community of individuals dedicated to reducing fire losses and unintentional injuries. The Southern Nevada Fire Prevention Association is a Chapter of the International Fire Marshals Association, the Uniform Fire Code Association and the International Code Conference.



Thomas EMS

Booth 207 17

336 West Broadway #409
Salt Lake City UT 84101
801-244-5669
brandon@thomasems.com

All products sold by Thomas E.M.S. must pass our strict field testing and evaluation process before being presented to our loyal customers. The products currently available and many more currently being evaluated, represent the finest Quality EMS products for better patient care.



U.S. Environmental Protection Agency

Booth 307 13

75 Hawthorne Street San Francisco CA 94105
415-972-3081 415-947-3520
ardito.michael@epa.gov
www.epa.gov/region09



US DOE Transportation

Emergency Preparedness Program

Booth 406 31

3765 East Sunnyside Road
Idaho Falls ID 83406
208-528-8895
tom@trgroupinc.com www.em.doe.gov/otem

U.S. EPA Emergency Prevention and Preparedness Program

Product / Service: The display booth will exhibit and distribute U.S. Environmental Protection Agency publications pertaining to emergency prevention and preparedness as well as some general environmental interest topics. The EPA is responsible for helping to protect people and the environment from risks associated with all sorts of toxic chemicals. The agency provides regulatory oversight through the Emergency Planning and Community Right-to-Know Act (EPCRA), Risk Management Program (RMP), and Comprehensive Environmental Response, Compensation Liability Act (CERCLA), and other environmental programs. The Pacific Southwest regional office in San Francisco serves state, local and tribal interests in Nevada, California, Arizona, Hawaii and Pacific Territories. Regional offices from Denver (Rocky Mountain states) and Seattle (Pacific Northwest states) will join in HazMat Expo this year.

XRF Corporation

Booth 210 36

490 Broadway, Suite 4
Somerville MA 02145
617-623-7300 617-625-6800
greg@xrfcorp.com www.xrfcorp.com

Exhibitor's Reception

Tuesday, November 15, 5:00 - 7:00

Exhibit Hall Open

Wednesday, November 16, 8:00 to 5:00

Dedicated Exhibit Hours

(No classes scheduled)

Wednesday, November 16, 11:00 - 2:00

What About Next Year?

HazMat Explo offers an outstanding venue to showcase your products and services. To join our list of satisfied exhibitors, contact Kevin Zarrabi of Kinetix, Inc., at (702) 480-4554 or by email at kinetix@hazmatexplo.org for further information.

Don't let this opportunity pass you by – contact us today!



Instructor Biographies



William Albrecht

US EPA

Bio-Toxins Cleanup, Planning for the Successful Bio-Toxin Cleanup Cyanide Awareness for First Responders

Bill Albrecht (LCDR, USPHS) is a toxicologist detailed to the USEPA Environmental Response Team in Las Vegas. He earned a Ph.D. in Pharmacology from the University of Hawaii School of Medicine, M.S. in Public Health from the University of Hawaii School of Public Health, and B.S. in Zoology from University of Illinois. A Diplomate of the American Board of Toxicology, Bill is also certified in both Comprehensive Practice and Toxicological Aspects by the American Board of Industrial Hygiene. Previous service includes work with the Centers for Disease Control and Prevention, the National Institute for Occupational Safety and Health, and EPA.

Scott Alquist

Truckee Meadows Community College

Hazardous Materials Compliance for Industry and Hazardous Materials Responder/Operations for Industry

Scott Alquist is the Program Coordinator for the Truckee Meadows Community College' Industrial Safety Training Center and Wildland Firefighting Program. Mr. Alquist is a 22 year safety professional with a specialization in hazardous materials compliance. His background includes certification as a hazardous materials technician and specialist in bloodborne hazards, an OSHA authorized instructor, Certified Environmental Inspector and Medical First Responder. Mr. Alquist is also a FEMA certified trainer and has numerous certifications in safety, terrorism and compliance. Mr. Alquist spent 11 years as the Crash/Liaison Coordinator for the Reno National Championship Air Races. During this time he wrote and conducted the first Multi-Causality Disaster training exercise for the Air Races. As the Coordinator for the ISTC, Mr. Alquist works with businesses in Nevada and California in meeting the requirements under OSHA, EPA and DOT regulations.



Andrew Anderson

Las Vegas Metropolitan Police Department

Grant Makers and Grant takers

Andy Anderson has more than 15 years experience in researching, applying for, procuring and administering federal grants. He has spent many years budgeting, monitoring and allocating expenditures under Department of Labor, Department of Defense, Department of Education and Health and Human Services federal grant programs. He also has extensive experience in issuing RFP's, assessing proposals submitted in response to RFP's and awarding grants of federal monies to subcontractors. In addition, as former Director of the Community College of Southern Nevada's Welfare to Work program he has practical experience in implementing and overseeing federal grants at the programmatic level. He is currently employed as a grant writer by the Las Vegas Metropolitan Police Department.

Instructor Biographies

James “Jim” Anderson

Aircraft Rescue and Fire Fighting Rescue Working Group

Aircraft Composite Materials and Dangerous Cargo in Aviation

Jim Anderson has worked 30 years in the fire service. He currently is a member of the Aircraft Rescue and Fire Fighting Working Group. He is also a working member of the US Air Force HAMMER IPT Team, which addresses hazardous concerns such as burning aircraft composite materials. Mr. Anderson obtained experience with fire safety associated with rockets and missiles while assigned to Vandenberg AFB Fire Department.

Jim worked most of his years at the Sacramento Air Logistics Center, McClellan Air Force Base, California. During most of his career this was the largest industrial facility in Northern California with a major aircraft maintenance and repair depot, three laboratories, and a busy airfield. Mr. Anderson has responded to a large number of hazardous materials incidents, as well as aircraft emergencies on a regular basis.

He holds a California State College Teaching Credential, and a California Specialized Training Institute Instructor Certificate, Fire Instructor II Certification, Fire Officer II Certification, and Airport Firefighter Certificate, Hazardous Materials Specialist.

Mike Ardito

US EPA

Homeland Security Presidential Directives

For the last fifteen years, Mike Ardito has been an emergency preparedness coordinator with the U.S. Environmental Protection Agency for the Pacific Southwest Region. During that period he has consistently worked with hazmat planning issues for Hawai'i, but has also worked during various times with Arizona, California and Nevada. His current duties include the role of EPA's coordinator and alternate co-chair for the Oceania Regional Response Team. Prior to joining EPA in 1991, Mike worked in the hazmat program for three years at the Federal Emergency Management Agency, Region 9 in San Francisco. Mike recently spent two years on an additional assignment serving as EPA's public information officer for environmental issues in Hawai'i and the Pacific territories of American Samoa, Guam and Saipan. He completed his master's degree in public relations at Golden Gate University and received his bachelor's degree in journalism from California State University, Fresno.

Robert Bavier

Union Pacific Railroad

Critical Incidents at Railroad Crossings

Robert Bavier

Mike Buettner

Aerotech P&K

Mold Assessment

Mike Buettner

Instructor Biographies



Barbara Butcher

City of New York, Office of Chief Medical Examiner

Fatality Management for the Unthinkable (Case Study: Tsunami 2004)

Barbara Butcher is the Director of Investigations at the New York City Office of Chief Medical Examiner, where she has worked since 1992. She directs Medico-legal Investigations, the WTC 9/11 Victim Identification Project, Missing Persons/Identification, and the agency's

Disaster Response Program.

This year, she went to Thailand with the Chief Medical Examiner of New York on behalf of W.H.O. to assist in Victim Identification following the Tsunami disaster, and returned the following month to speak on Mass Fatality Management to an international audience convened by the United Nations and W.H.O. Following the Underground bombings, she was invited by the London police to view their operation and share information on victim recovery and identification. As Deputy Director of Investigations she coordinated the remains recovery effort after WTC 9-11 both on-site and off for the agency. During the height of the disaster, she also helped manage the response to the crash of Flight 587 that resulted in 265 deaths.

As an investigator at OCME, she personally investigated more than 5500 death scenes and 680 homicides. She was the senior trainer for physicians and investigators in the forensic teaching program, and is now an Assistant Adjunct Professor at the New York University School of Medicine. Ms. Butcher holds a Masters degree in Public Health from Columbia University in New York and a Bachelors degree in Science from Long Island University. She obtained advanced skills through participation in special training at the FBI Academy and New York City Police Department. She is certified in Incident Command, Mass Fatality Management, Weapons of Mass Destruction, Bioterrorism, and Terrorist Bombing.

Mike Callan

Callan and Company

Responding to Utility Emergencies

Street Smart HazMat Response

Mike Callan a thirty three year veteran of the Fire Service and a former Captain with the Wallingford, Connecticut Fire Department. In 2001 he was selected as the California Hazardous Materials Instructor of the Year. He is the author of the new book Responding to Utility Emergencies as well as the popular Street Smart Haz Mat Response by Red Hat Publications. Mr. Callan is the developer of the widely adopted Propane Emergencies Training Facilitator's Guide and PowerPoint programs used extensively by the US Fire Service. He is co-author of Hazardous Materials Exposures - Emergency Response and Patient Care published by Brady and Prentice Hall. He is the lead instructor on the video training series by Emergency Resources Inc. - "Surviving the Hazardous Materials Incident". He is currently working on the Department of Transportation / Office of Pipeline Safety's Pipeline Emergencies Training program due out this fall. He is director of his own business - Callan and Company. Mr. Callan conducts Chemical Response training around the country for Industrial and Municipal Haz-Mat Teams. He was selected by EPA as a member of the Presidential Review Committee of the Clean Air Act 1990, Chemical Accident Prevention Committee, Chemical Accident Investigation Team and as a member of the US Delegation that traveled to Canada, Eastern Europe and Southeast Asia for emergency response preparedness, prevention and response reviews and seminars.

Instructor Biographies

Carl T. Cameron

Disability Preparedness Center

Inclusive Emergency Preparedness

Carl T. Cameron is President of Inclusion Incorporated in Washington, DC, and the founder of the Disability Preparedness Center. He is also a nationally known education professional in the area of employment and community living for people with disabilities. He has been recognized as a program developer, researcher, teacher, author and presenter throughout the United States. He currently is leading a major effort, funded by Homeland Security, to include individuals with disabilities in emergency preparedness planning in the National Capital Region, metropolitan Washington, DC.



Hung Cheung, M.D., M.P.H., F.A.C.O.E.M.

Building Health Sciences

Indoor Mold: The Science, Toxicity, Health Effects, Remediation, and Ramifications

Dr. Cheung is a graduate of Loyola College in Baltimore and received his Medical degree from University of Maryland Medical School. His first residency and board certification was in Internal Medicine from University of Maryland Hospital. He later received his Master's in Public Health degree in Environmental Science from Johns Hopkins. He returned for further Postgraduate training and received his second board certification in Occupational Medicine from Thomas Jefferson University in Philadelphia. After completing his first medical residency, he worked in the Emergency Department setting for eight years and has been working full time in Occupational and Environ-mental Medicine since 1995.

From June 2000 to December 2003, he was designated as the State Medical Director for the State of Maryland. He has experience working on issues of Indoor Environmental and Air Quality focusing on molds and microbial issues in commercial buildings, manufacturing plants, schools, and various public and residential facilities. Dr. Cheung has served as scientific expert in many administrative and legal proceedings, and has testified to State Legislators. He is currently Chief Medical Officer – Building Health Sciences



Alvin Chun

Director of the National Center for Risk Communication and Public Involvement under the Office of the Science Advisor in EPA HQ

Keynote Speaker 2005 Bringing Out the Best in People or What to Do During a Crisis and Risk Communication... Sex, Drugs and Rock 'n Roll

Alvin Chun is a San Francisco native who provides training and consultation worldwide on public involvement, risk communication and organizational development. Alvin has provided workshops and consultation nationally and internationally to a host of organizations including, the US Navy, the Department of Homeland Security, the Army Corps of Engineers, the South Australian EPA, and the South Australian Centre for Public Health. In September of 2004, Captain Chun retired from active duty in the U.S. Public Health Service Commissioned Corps after an exciting 31 year career.

Because of his unique expertise and dynamic presentations, Captain Chun was invited by then EPA Administrator Christine Whitman to give a special session on risk communication applying to environmental issues and events like the 9/11 terrorists attacks on the World

Instructor Biographies

Trade Center. Last year, he was a featured speaker at Washington Mutual Bank's National Executive Conference and spoke on "Bringing Out the Best in People."

Captain Chun received his B.S. in engineering at the University of California, Berkeley, and M.S. in engineering at Stanford University. He can be contacted at EPA, Region 9 in San Francisco at (415) 972- 3720 or by e-mail: chun.alvin@epa.gov or alternatively at riskcom1@yahoo.com



Tom Clawson

Technical Resources Group, Inc

Treatment of Victims with Significant Radiation Exposure and MERRTT Training - First Responder Radiological Training

Tom Clawson has over 20 years experience in Health Physics and Environmental Safety and Health training. For the past 12 years, Mr. Clawson's experience has focused on radiological transportation emergency preparedness. He helped develop the Department of

Energy's Modular Emergency Response Radiological Transportation Training (MERRTT) program. Mr. Clawson has trained thousands of emergency responders and has presented at conferences throughout the United States. Prior to working in the training business, he spent nine years working in Health Physics/Radiation Safety at various commercial nuclear power plants, with the US Navy, and at the Department of Energy's Idaho National Engineering and Environmental Laboratory.

Robert Cook

Hazard Management, Inc.

CAMEO Suite Workshop

Robert Cook



Fred Cowie

Consultant and Trainer

Stress Management and Problem Solving Frontier and Rural HazMat Risk Management Secrets of Grant Writing

Dr. Fred Cowie served for over ten years with the Disaster and Emergency Services Division of the State of Montana. Fred acted as Liaison to Indian Nations for Emergency Management, Liaison to Law Enforcement for Terrorism, HazMat Manager and Grants Manager. He coordinated the founding of and was Administrative Assistant for the State Emergency Response Commission (SERC). Fred also started and managed the Indian Nations HazMat Conference in conjunction with the Confederated Salish and Kootenai Tribes. He also founded the Montana Terrorism Conference, as well as the Montana SERC Conference. Fred has acted as trainer and lecturer for many groups, including the NCAI, EPA, DOT, FEMA, many Indian nations, states, fire departments, emergency management offices and professional organizations. In 2002-3 he designed the Montana Amber Alert System and developed and managed the Methamphetamine Conference for the Montana Division of Criminal Investigation. In addition to many training events in 2004, Fred also sits on a terrorism grant review panel for the National Academies of Sciences and has done work for West Virginia University's National Environmental Training Center.

Instructor Biographies

Gregg Dempsy

US EPA

Essentials of Radiological Terrorism

Gregg Dempsy



Kevin Dick

University of Nevada, Reno

Pollution Prevention for First Responders

Kevin Dick is Director of the Business Environmental Program (BEP) of the University of Nevada, Reno. BEP provides free and confidential assistance with environmental management, air permitting, energy efficiency, and pollution prevention to business and government operations throughout Nevada. Prior to joining BEP in 1991, Kevin worked as an Environmental Engineer with USEPA's Superfund Program. Kevin serves on the Advisory Board of the Western Regional Pollution Prevention Network and is a former chairman of the National Pollution Prevention Roundtable. He is a Nevada Certified Environmental Manager and a graduate of Cornell University.

Tom Dunkelman

Nevada Division of Environmental Protection

Response and Clean-up for Mercury Contamination

Tom Dunkelman

Kevin Featherstone

Nevada National Guard

WMD Awareness

Kevin Featherstone

Scott Fitzpatrick

Smith's Detection

Identification of Unknown Substances by Field Portable Infrared

Scott Fitzpatrick has a B.S. in Mathematics/Chemistry from the University of Houston. He has over 15 years experience working in the pharmaceutical, petrochemical and semiconductor industries, specializing in infrared spectroscopy for ten years.

Harvard Fong

California Department of Pesticide Regulation

Hazards of Pesticides to Emergency Responders

Harvard Fong is Senior Industrial Hygienist at the Worker Health and Safety Branch of the California Environmental Protection Agency Department of Pesticide Regulation in Sacramento, CA. He has published several articles on estimating and measuring pesticide exposure among handlers and harvesters in California agriculture, on the risk implications of indoor pesticide exposure to children, and on potential dermal transfer of surface pesticide

Instructor Biographies

residue generated from indoor fogger use. Mr. Fong is a member of the American Board of Industrial Hygiene and the American Conference of Governmental Industrial Hygienists.



Chris Fontana

US EPA

Radiation Safety for Emergency Responders

Chris Fontana obtained a B.S. degree from California State University in Physics in 1983. Twenty-one years in the Environmental Protection Agency (EPA) in the fields of Physics, Health Physics, and Environmental Science with experience in radiation, radiation safety and protection specifically as they relate to emergency response. Currently works for the EPA's Office of Radiation and Indoor Air (ORIA),

Radiation and Indoor Environments National Laboratory (R&IE) as Radiation Safety Officer (RSO) and Safety, Health and Environmental Manager (SHEM). While at EPA, protected public health and the environment by serving in EPA's Nuclear Radiation Assessment Division for well over one hundred underground nuclear tests in various capacities from certified radiation monitor to deputy project officer at the Nevada Test Site (NTS) control point doing plume model projections and dose assessment. Primary instructor for Radiation Worker I and II training, Radiological Emergency Operations (REO) training, and Radiological Emergency Training for Local Responders (RETLER). Managed the external dosimetry program for environmental background in the environs of the NTS and at Rocky Flats, EPA personnel, and for EPA Regional personnel.



Ray Giunta

Pastor, Central Christian Church

Community Based Organizations in Disaster Situations, The Role of Spiritual Care with Crisis Counseling in Disasters

Pastor, Author, Conference speaker, Ray Giunta is the co-founder of *We Care Ministries* a Christ centered social service organization dedicated to providing intervention through compassion and training to individuals and communities in times of crisis. He oversees the care for the congregation of 8000 members and all of the community outreach to

the city of Las Vegas. Giunta has been ministering since 1987 providing compassionate care to individuals, families and communities in time of need. He has worked alongside FEMA (Federal Emergency Management Association), the American Red Cross and the Salvation Army at several national disaster sites including San Francisco, Killeen, Oklahoma City, and New York City. He also has served at several schoolyard and corporate mass shootings throughout the nation

For 90 days after 911, he led eight ministry teams serving rescue and recovery workers on a rotational basis at the disaster site of the World Trade Center. His teams provided physical, emotional and spiritual support to firefighters, police officers, construction workers and family members. He recorded 68 days working directly in the heart of the battle at Ground Zero. Pastor Ray is a member in good standing with the American Association of Christian Counselors as well as a certified trauma specialist with The American Academy of Experts in Traumatic Stress. Additionally, he is active in the Critical Incident Stress Foundation as well as The Christian Association for Psychological Studies.

Instructor Biographies



Joe Heck, D.O., F.ACOEP, FACEP

Clark County Health District

WMD: The Health Care Professional's Role in Nevada's Preparation

Response, Threat Assessment for Business and Industry

Dr. Joseph Heck is the President and Medical Director of Specialized Medical Operations, Inc., a corporation dedicated to providing quality medical training, consulting, and operational support to Law Enforcement, EMS and Military Special Operations. Board-certified in Emergency Medicine with a Certificate of Added Qualification in EMS, Dr. Heck is the Operational Medical Director for the Clark County Health District in Las Vegas, Nevada, providing medical oversight for the EMS system and public health preparedness, and the Medical Director for the Las Vegas Metropolitan Police Department (LVMPD).

Dr. Heck graduated from The Pennsylvania State University with a degree in Health Education, received his Doctor of Osteopathy from the Philadelphia College of Osteopathic Medicine, and completed his Emergency Medicine Residency at Albert Einstein Medical Center in Philadelphia, Pennsylvania.



Stephen L. Hermann

Huntsville Training Associates

First Response to a Clandestine Drug Lab, First Response to Highway Transportation Incidents

Stephen L. Hermann recently retired after 35 years of police and fire department service as the Hazardous Materials Coordinator for the Arizona Department of Public Safety. He was Arizona's senior State-on-Scene-Coordinator for hazardous materials emergency response. He has supervised over 120 serious hazardous materials highway and rail incidents; participated in raiding over 150 clandestine drug laboratories; and published over 130 articles during the past 15 years in all of the major police, fire, and environmental magazines; and has been the keynote speaker at a number of national conferences. He taught at Scottsdale Community College for over 20 years, guest lectured for colleges and fire departments around the country, and is the author of three books dealing with hazardous materials transportation accidents and explosives. He was formally the State Chemical Officer, and commanded a Cobra Attack Helicopter Battalion for the Arizona Army National Guard. He holds the Arizona Medal of Valor and the Legion of Merit.

His Bachelor of Science degree is in Explosives Technology, and he is a graduate of the US Naval School Explosive Ordnance Disposal in United States Army Command and General Staff College, and the US Army War College. He is a retired Army Chemical Corps Colonel in the USAR.



Pat Heyneman

AET Environmental

RCRA/DOT Hazardous Waste Training

Mr. Heyneman has over 20 years of hazardous materials experience and over 20 years of Industrial Health and Safety experience, combining to give you a wide breadth of training knowledge. Mr. Heyneman worked in the private sector for over 20 years with Procter and Gamble and then went to work for a company that remediated a variety of C.E.R.C.L.A. sites. Most recently Mr. Heyneman went to work for AET Environmental,

Instructor Biographies

as there Technical and Operations Manager for Nevada.

He is a qualified instructor in many areas, such as Right to Know/Hazard Communication, Confined Space Entry Train the Trainer, First Responder Instructor (First Aid), C.P.R., Lock Out/Tag Out, Electrical Safety, Fall Hazards, O.S.H.A. Compliance, D.O.T. Hazardous Materials (HM-181 and 126F), H.A.Z.W.O.P.E.R. (O.S.H.A. 1910.120 8 hour, 24 hour, 40 hour), Emergency Procedures, Toxic Substance Control Act (TSCA), Daily Management, Total Quality, Resource Conservation and Recovery Act Instructor (R.C.R.A.), and DOT.



Steve Hightower

Emergency Services Training, National Emergency Response and Rescue Training Center

Thinking like a Terrorist

NIMs and the NRP

Changing the Way We Respond to Major Incidents

Steve Hightower is a retired Army Special Forces (“Green Beret”) colonel with over 20 years of experience in the field of “Special Operations” to include planning and executing anti-terrorism and counter-terrorism operations and training worldwide.

Steve served at two US Embassies (Kingston, Jamaica and Quito, Ecuador) where he was the senior Department of Defense officer on the embassy’s “Country Team”, as well as the senior US military advisor to the Governments of Jamaica, and Ecuador. In this capacity Steve was responsible for all US military support to these two nations to include counterterrorism, counter-narcotics, and peacekeeping operations and training.

Steve also served as the senior Special Operations officer on the faculty of the US Army War College, the Army’s highest professional educational institution. Steve was the War College’s “Subject Matter Expert” and course author for Special Operations, Anti-Terrorism, Military Support to Civil Authorities, and Peacekeeping Operations. Steve holds both Bachelor’s and Master’s Degrees in Political Science from Texas A&M University and is also a graduate of The Armed Forces Staff College and The U.S. Army War College. Steve is a decorated combat veteran of Vietnam, Grenada, Panama, and other conflicts and operations.

Peter Johnson

UNR-BEP

Pollution Prevention Basics for First Responders

Peter Johnson



Instructor Biographies



Karen Kennard

Nevada State Emergency Response Commission

Nevada SERC Update

Karen Kennard is the Executive Director of the State Emergency Response Commission (SERC). The SERC is charged with overseeing the State's implementation of federal regulations under the Emergency Planning and Community Right-to-Know Act (EPCRA) which is Title III of the Superfund Amendment Reauthorization Act (SARA). The intent of SARA Title III is to improve state and local planning and response capabilities to react to hazardous materials emergencies and to provide access to information about hazardous materials to the public.

Ms. Kennard has devoted her 25 year career working in public service including the Carson City District Court, the Nevada Division of Investigations and 15 years with the San Diego Superior Court. The last seven years have been in grants management with the Nevada Department of Public Safety, Office of Criminal Justice Assistance and the State Emergency Response Commission.



Brian Labus

Clark County Health District

Outbreak Investigation

Brian Labus received a Bachelor of Science degree in biology from Purdue University, and a Master of Public Health degree in infectious diseases from the school of Public Health at the University of California, Berkeley. He is currently a senior epidemiologist and epidemiology informatics specialist with the Clark County Health District in Las Vegas, NV. He is primarily responsible for overseeing surveillance of communicable diseases and information systems development and management.

Gary L. Lage, Ph.D., D.A.B.T.

ToxiLogics

Instructor Course Name

Gary Lage has over 30 years' experience in Toxicology and Pharmacology with an emphasis in the areas of risk assessment and environmental impact. With 20 years of academic experience, he has had a major input into the evolution of the science of toxicology and has been involved in determining risk assessment for hazardous waste facilities and advising State and Federal agencies on policies concerning toxic chemicals. Dr. Lage was a member of the Air Pollution Control Board and played a major role in setting the air toxic contaminant guidelines for the City of Philadelphia in the early 1980's.

Dr. Lage has his Bachelor of Science in Pharmacy and Master of Science and Ph.D. in Pharmacology and is Board Certified by the American Board of Toxicology in General Toxicology.

Instructor Biographies

Ron Levine

NV Motor Transport Association

Highway Watch

Ronald Levine attended Brooklyn College, receiving a B.S. degree in Education. He served in the U.S. Army, Military Intelligence Branch. He joined the Nevada Highway Patrol in 1973, and retired in 1998 with the rank of Major, and the position of Deputy Chief. He graduated from the FBI National Academy in 1994. He went to work for Nevada Motor Transport Association in 2000, as the Assistant Managing Director. He has been involved in facilitating the Highway Watch Program since 2003.

John Lund

Idaho Falls Fire Department

Instructor Course Name

Captain John Lund is a fire fighter and Paramedic with the Idaho Falls Fire Department. Mr. Lund is a state certified Emergency Medical Services and Hazardous Materials Instructor and is an adjunct faculty member with the University of Idaho and Eastern Idaho Technical College. He worked for Eastern Idaho Regional Medical Center as an Emergency Room and Flight Paramedic and has been delivering radiological hospital training since 1997.

Duane Dean Mallett

American Combat Jiu-Jitsu Association

Surviving Terrorism

A former senior instructor for the Hwarangdo Military Combat Tactics Survival School, Mr. Duane Dean Mallett is certified in C.Q.B. (Close Quarter Battle), hand-to-hand combat, and special weapons & tactics. Mr. Mallett is also a graduate of the Japanese Military Tactics-Strategies School, and is a certified instructor in the police-arresting arts of Taiho-Jutsu. In addition to Mr. Mallett's years of experience as an instructor, he has hosted seminars, and held demonstrations in advanced fighting concepts, weapons training, and terrorist survival for Special Forces, S.W.A.T., police, security and corrections personnel. Mr. Mallett currently operates a private business in Las Vegas Nevada, American Combat Jiu-Jitsu Association.

Cecil Marks

Union Pacific Railroad

Critical Incidents at Railroad Crossings

Senior Special Agent Cecil Marks has worked for the Union Pacific Railroad Police for five years. He has been a training officer, firearms instructor, and grade crossing collision investigation instructor. He served for three years as the Deputy Sheriff for Riverside Sheriff's Department. Mr. Marks served in the U.S. Marines for 20 years, achieving the rank of Master Sergeant. He has a B.S. in Criminal Justice from the National University and an M.S. in Human Resources from the Chapman University.



Instructor Biographies

Alvin Mushkatel

Urban Environmental Research

High-Level Nuclear Waste and Local Response to Transportation Incidents: What is Known, What is Needed, and What is Projected

Alvin Mushkatel

John Nesler

Company

Course Name

John Nesler

Jon Olney

Incident Management Training

NIMS and the Direction of ICS Training and Development

Chief Jon Olney was a Battalion Chief for the Kern County Fire Department for the last eighteen years of his thirty-one year career. During that time he was assigned to several operations battalions including the busiest in the department as well as Assistant Fire Marshal and Chief Training and Safety Officer. Chief Olney has extensive experience in the management of large and complex fires and all risk incidents, particularly in the area of national incident management and the integration and use of Incident Management Teams. Chief Olney served on local type two incident management teams for several years prior to successfully passing S-520 ~ Advanced Incident Management at the National Advanced Resource Technology Center in 1997. Since that time he was the Logistics Section Chief for California Interagency Incident Management Team #2. Chief Olney is active as an instructor in Incident Command System classes. He holds a California Lifetime Community College Teaching Credential, is a graduate of the National Fire Academy's Executive Fire Officer Program, and is a member of the National Fire Academy's Adjunct Faculty for the Command and Control of Fire Department Operations at Natural and Man-Made Disasters, the Command and General Staff Functions in the Incident Command System and the All-Hazard Incident Management Team Type 3 courses.t.

Dr. Michael O'Malley

California Department of Pesticide Regulation

Hazards of Pesticides to Emergency Responders

Michael O'Malley is a graduate of the University of California, Santa Cruz with a bachelor's degree in chemistry. He graduated from the University of Illinois College of Medicine, Chicago, then completed an internship at LA County Hospital, a family practice residency at Natividad Medical Center in Salinas, and as occupational medicine residency at the University of California, Irvine. His other training includes a Masters of Public Health in Epidemiology from University of California, Los Angeles School of Public Health and a fellowship in epidemiology at the US Centers for Disease Control, assigned to the National

Instructor Biographies



Institute for Occupational Safety and Health.

Dr. O'Malley currently works as the Medical Director at the Employee Health Service for UC Davis. As part of his work, he also serves as a medical consultant to the California Department of Pesticide Regulation. He has worked with that department's pesticide illness registry program since 1987. He is board certified in occupational medicine and in family practice.

Carl Palladino

The Palladino Company, LLC

Everything you Wanted to know about Radiation but were Afraid to Glow

Carl Palladino has nineteen years experience as a NASA Product Assurance Engineer, Peace Corps Chemistry Teacher, and Senior Project Manager with the last thirteen years as an environmental consultant. He is a principal for The Palladino Company and a radiation specialist for the Superfund Technical Assessment and Response Team assisting the Region 9 EPA Emergency Response Section. He has diverse experiences in hazmat emergency responses, hazardous waste site assessments and cleanup actions, conducting health and safety trainings, and has taught 100 radiation safety classes to thousands of response personnel.

William J. Perlmutter

LePerl Productions

WMD: The Health Care Professional's Role in Nevada's Preparation and Response

Police Line - Do Not Cross: Updated Are You Ready?

Captain Perlmutter is a highly experienced instructor and trained Emergency Management Professional. His career started and an anti-submarine warfare Mission Commander flying operations worldwide. He then became an expert in expeditionary logistics, setting up complete "cities" with all facilities, in the middle of nowhere to support our troops. During his final seven years prior to retirement from the Navy, which totaled over 33 years of active and reserve service, Captain Perlmutter was assigned to the Federal Emergency Management Agency (FEMA) as the direct representative for the United States Navy and Department of Defense. He is a certified Bio-terrorism Instructor and Terrorism Awareness Instructor for the Department of Homeland Defense. He was assigned to the Joint Operations Center for the 2002 Olympics as a specialist following the September 11th Terrorist Attack.



Instructor Biographies

Pat Romero

US DOT

USDOT HazMat Regulations

Transporting Hazardous Materials by Highway

Hazardous Materials Training Requirements

Transporting Hazardous Materials by Air

Package Selection, Marking, and Labeling Requirements

Pat Romero



Igor Shafhid

Bechtel Nevada

**Initial Management of Mass Casualties After Biological
Attack on Urban Areas**

**Organized Criminal Syndicates and International WMD
Black Market**

Igor Shafhid

Roger Shura

Instructor Company Name

Instructor Course Name



Samuel J. Stratton, MD, MPH

UCLA School of Public Health

Instructor Course Name

Samuel J. Stratton is a professor in Community Health Sciences in the UCLA School of Public Health where he specializes in teaching and research in public health emergencies, particularly disaster events. He also has a focus on national security and public health at the US-Mexico border. In addition, he is a practicing clinician in the Department of Emergency Medicine at the University of California, Irvine. Dr. Stratton has more than twenty years of experience in Emergency Medical Services and was Medical Director of the Los Angeles County EMS Agency from 1993-2003.

Instructor Biographies



Walter Sweet

HazTech Systems

HazCat Day 1: Concepts and Basics, HazCat Day 2: System Expansion and Inorganics, HazCat Day 3: Mixtures, and HazCat Day 4: Organics

Until 1986, Walter worked for a Fortune 500 Company involved with specialty chemicals, and he achieved several levels of managerial positions. His last position was director of training nationwide for specialty chemicals in petroleum natural gas transportation and processing.

Presently he is one of four Haztech Systems, Inc. certified instructors with Haztech Systems in all four days of HazCat Chemicals Identification System training currently being offered. He is also qualified to conduct the Methamphetamine Clan Lab course and the WMD Training course.

Walter Sweet received his BS degree in Chemical and Petroleum Natural Gas Engineering from Texas A & M University at Kingsville, TX.



Ken Trankle

University of Nevada Reno

Pollution Prevention for First Responders

Mr. Ken Trankle is a Hazardous Waste/Pollution Prevention Specialist with the Business Environmental Program (BEP) of the University of Nevada, Reno. Ken is responsible for assisting BEP clients with site audits, and environmental management assistance and training. He has over 15 years of professional experience in emergency response, Department of Transportation, hazardous waste management, waste minimization, and training in

hazardous materials, fire, and Emergency Medical Service. He is currently serving on the Federal hazardous waste compliance committee for National Guard Bureau.



Chris Weber

Washtenaw County Hazmat Team

Hazmat Pharmacology, Advanced Sample Identification Techniques: FTIR & Raman Spectroscopy

Chris is the Deputy Director and Training Officer for the Washtenaw County Hazardous Materials Team. He has been a firefighter for over 17 years, and has extensive experience involving hazardous materials chemistry including a Ph.D. in Biological Chemistry from the University of Michigan and 15 years research experience in the biomedical sciences.

He has instructed hazardous materials topics at the national level and runs the training and consulting firm Dr. Hazmat, Inc. He can be reached at cweber@drhazmat.com.

Instructor Biographies

Gurney Wiggins

Chief, Savannah River Site Fire Department

Working Together to Save Lives: The South Carolina Story

Gurney Wiggins has been in Emergency Services for over 30 years. He has been a Fire Chief for over 20 years, serving as Chief of the local Volunteer Fire Department for over 12 years and serving as Chief of the Savannah River Site Fire Department since 1997. He has been involved with emergency response in various capacities since 1975, including two train derailments. He has also volunteered with local community groups, such as the Town Council and the local high school.

Geoff Wilford

Kern County (CA) Fire Department

NIMS and the direction of ICS training and development

Geoff Wilford has been a Battalion Chief for the Kern County Fire Department for the past thirteen of his twenty-eight year career. During this time he has been assigned to several battalions including the largest wildland and interagency oriented battalion in the department. As a captain, Chief Wilford was selected to establish and manage the daily functions of the Kern County Fire Department's Hazardous Materials Bureau. His daily responsibilities included coordinating and/or conducting training sessions; supervision of four Hazardous Materials Specialists, office and data management staff; coordinating the field inspection program; conducting and/or coordinating civil and criminal investigations with Federal, State, and local enforcement agencies, and management of budgeting and planning. Chief Wilford has extensive experience in the management of large and complex fires and all risk incidents, particularly in the area of national incident management and the integration and use of Incident Management Teams.



HazMat Expo⁹

Conference and Exposition

