



# EMI SIG 2013 Annual Meeting Agenda



## Sunday, May 5, 2013

6:00 pm–7:00 pm	Registration	Grand Reg. North
6:00 pm–7:00 pm	TRADEing Post Setup	Grand CD North
7:00 pm–8:00 pm	EMI SIG Steering Committee Meeting	Soldier Field

## Monday, May 6, 2013

7:00 am–6:00 pm	TRADEing Post Setup	Grand CD North
7:00 am–6:00 pm	Registration	Grand Reg. North
7:00 am–8:00 am	Breakfast (on your own)	
7:00 am–5:30 pm	First and Field Responders Subcommittee (FFRSC) Meeting Evaluation Link: <a href="http://bit.ly/FFRSubc">http://bit.ly/FFRSubc</a>	Haymarket
7:30 am–11:00 am	DOE Meteorological Coordinating Council (DMCC) Meeting Evaluation Link: <a href="http://bit.ly/EMISIG_DMCC">http://bit.ly/EMISIG_DMCC</a>	Gold Coast
8:00 am–10:45 am	Hazards Assessment Subcommittee (HASC) Meeting Evaluation Link: <a href="http://bit.ly/HASubc">http://bit.ly/HASubc</a>	Water Tower
8:00 am–12:00 pm	Training Subcommittee (TS) Meeting Evaluation Link: <a href="http://bit.ly/TrainingSubc">http://bit.ly/TrainingSubc</a>	Truffles
8:00 am–1:30 pm	Exercise and Drill Subcommittee (Ex-Drill) Workshop Evaluation Link: <a href="http://bit.ly/Ex-Drill">http://bit.ly/Ex-Drill</a>	Grand B
8:00 am–5:00 pm	Continuity of Operations Subcommittee (COOP) Meeting Evaluation Link: <a href="http://bit.ly/COOPSubc">http://bit.ly/COOPSubc</a>	Comisky
8:30 am–4:00 pm	Emergency Public Information Subcommittee (EPI) Workshop Evaluation Link: <a href="http://bit.ly/EPISubc">http://bit.ly/EPISubc</a>	Grand A
11:00 am–11:45 am	SCAPA/DMCC/HASC Joint Session Evaluation Link: <a href="http://bit.ly/JointSession">http://bit.ly/JointSession</a>	Water Tower
11:00 am–12:30 pm	EMAC – Feds Only	Wrigley
12:30 pm–4:30 pm	Technology Working Group (TECHWG) Meeting Evaluation Link: <a href="http://bit.ly/TECHWrkGrp">http://bit.ly/TECHWrkGrp</a>	Buckingham
1:15 pm–5:00 pm	Subcommittee on Consequence Assessment and Protective Actions (SCAPA) Meeting Evaluation Link: <a href="http://bit.ly/SCAPAMtg">http://bit.ly/SCAPAMtg</a>	Water Tower
2:30 pm–4:30 pm	<a href="#"><u>Benchmarking: Developing a Comprehensive Emergency Management Plan</u></a>  Lani Fellows, NNSS/NSTec Evaluation Link: <a href="http://bit.ly/Benchmrkg">http://bit.ly/Benchmrkg</a>	Wrigley
5:00 pm–6:00 pm	National Atmospheric Release Advisory Center (NARAC) and HotSpot Users' Group Meeting Evaluation Link: <a href="http://bit.ly/NARACUsers">http://bit.ly/NARACUsers</a>	Water Tower



# EMI SIG 2013 Annual Meeting Agenda



**Tuesday, May 7, 2013**

<b>7:00 am–5:00 pm</b>	<b>TRADEing Post</b>	<b>Grand CD North</b>
<b>7:00 am–5:00 pm</b>	<b>Registration</b>	<b>Grand Reg. North</b>
<b>7:00 am–8:00 am</b>	<b>Breakfast (on your own)</b>	
<b>8:00 am–11:30 am</b>	<p style="text-align: center;"><b>Opening Session</b>  <b>Moderator: Robert Gee</b> <span style="float: right;"><b>Grand B</b></span>  <b>Evaluation Link:</b> <a href="http://bit.ly/EMISIGOpen">http://bit.ly/EMISIGOpen</a></p> <p style="text-align: center;"><b>Welcome/Opening Remarks</b></p> <p style="text-align: center;">Jeffrey B. Roberts, Deputy Manager, DOE Argonne Site Office</p> <p style="text-align: center;">Debbie Wilber, Deputy Associate Administrator, DOE Office of Emergency Operations (NA-40)</p> <p style="text-align: center;"><b>Keynote Speaker</b>  Gerald Baron  <b>Topic:</b> <a href="#">Why Crisis Communications Plans Fail</a></p> <p style="text-align: center;"><b>BREAK</b>  <b>DOE Headquarters Update</b></p> <p style="text-align: center;"><a href="#">Joseph Stambaugh</a>, Director, Office of Emergency Operations Support (NA-44)</p> <p style="text-align: center;"><a href="#">Patrick Brettell</a>, DOE Office of Emergency Management (NA-41)</p> <p style="text-align: center;">Tom Staker, Deputy Director for Oversight (HS-40)</p>	
<b>11:30 am–1:00 pm</b>	<b>Lunch (on your own)</b>	
<b>11:30 am–12:45 pm</b>	<b>Environmental Management Emergency Management Coordinators Meeting</b>	<b>Gold Coast</b>
<b>1:00 pm–2:30 pm Workshops</b>		
<p style="text-align: center;"><b>Workshop 1 – Grand B</b>  <a href="#">Severe Events Planning</a></p> <p style="text-align: center;">David Freshwater, Bill Froh, and Patrick Brettell,  NA-41</p> <p style="text-align: center;"><b>Evaluation Link:</b> <a href="http://bit.ly/Wrkshop1">http://bit.ly/Wrkshop1</a></p>	<p style="text-align: center;"><b>Workshop 2 – Grand A</b>  <a href="#">Crisis Decision-Making for Emergency Response</a></p> <p style="text-align: center;">Stephanie Titus, Reed Hodgkin, and Derek Skene,  AlphaTRAC</p> <p style="text-align: center;"><b>Evaluation Link:</b> <a href="http://bit.ly/Wrkshop2">http://bit.ly/Wrkshop2</a></p>	
<b>2:30 pm–3:00 pm</b>	<b>BREAK</b>	
<b>2:30 pm–3:00 pm</b>	<b>EMI SIG Steering Committee</b>	<b>Soldier Field</b>
<b>3:00 pm–4:30 pm Workshops</b>		
<p style="text-align: center;"><b>Workshop 3 – Grand B</b>  <a href="#">Severe Events Exercises</a></p> <p style="text-align: center;">David Freshwater, Bill Froh, and Patrick Brettell,  NA-41; Marie Dunkle, MK Dunkle Consulting; Eva Hickey, PNNL; and John Mitchell, KSS</p> <p style="text-align: center;"><b>Evaluation Link:</b> <a href="http://bit.ly/Wrkshop3">http://bit.ly/Wrkshop3</a></p>	<p style="text-align: center;"><b>Workshop 4 –Grand A</b>  <a href="#">Competency-Based Command Training and Certification</a></p> <p style="text-align: center;">Ted Nee and Dennis Cavalier,  SNL</p> <p style="text-align: center;"><b>Evaluation Link:</b> <a href="http://bit.ly/Wrkshop4">http://bit.ly/Wrkshop4</a></p>	



# EMI SIG 2013 Annual Meeting Agenda



Wednesday, May 8, 2013

7:00 am–5:00 pm				TRADEing Post		Grand CD North	
7:00 am–5:00 pm				Registration		Grand Reg. North	
7:00 am–8:00 am				Breakfast (on your own)			
8:00 am–9:30 am				Concurrent Sessions			
Grand B		Grand A		Truffles		Buckingham	
Session 1A Severe Events		Session 1B Exercises		Session 1C Emergency Response Organization		Session 1D Training and Drills	
Moderator: Jim Daniels, NNSS		Moderator: Robert Gee, Y-12		Moderator: Michael Knazovich, SNL		Moderator: Forest Holmes, INL	
Evaluation Link: <a href="http://bit.ly/EMISIG-1A">http://bit.ly/EMISIG-1A</a>		Evaluation Link: <a href="http://bit.ly/EMISIG-1B">http://bit.ly/EMISIG-1B</a>		Evaluation Link: <a href="http://bit.ly/EMISIG-1C">http://bit.ly/EMISIG-1C</a>		Evaluation Link: <a href="http://bit.ly/EMISIG-1D">http://bit.ly/EMISIG-1D</a>	
<a href="#">Resiliency Is for Everyone!</a>		<a href="#">Exercises Are Not All Fun and Games: The Emotional Side of Active Shooter Exercises</a>		<a href="#">National Capability Gaps for State and Local First Responders: What They Are, How They Are Developed, and What They Mean for DOE</a>		<a href="#">The Marines Want to Do WHAT?</a>	
Presenter: Diane Senutovich, LANL		Presenters: Patty Billy, LLNL		Presenter: Reed Hodgkin, AlphaTRAC		Presenter: Bill Knipper, NNSS/NSTec	
<a href="#">Integrated Emergency Response and Severe Event Relocation</a>		<a href="#">Exercising with State and Local Governments</a>		<a href="#">Events Leading to Well House Explosion</a>		<a href="#">Web-Based Hazardous Materials Technician and Incident Command</a>	
Presenter: Ryan Chartier, NNSS/NSTec		Presenters: Bob Murawski, Murawski Enterprises, and Roger Thompson, TEMA		Presenter: Tim Kelly, BNL		Presenter: Ted Nee, SNL	
<a href="#">Critical Safety Functions and Emergency Planning/Response: Understanding and Integrating the Links</a>		<a href="#">No Time Outs When Terrorists Attack</a>		<a href="#">Let's Face It: Change Happens and the Emergency Response Organization is No Exception</a>		<a href="#">Where are the Super Heroes?</a>	
Presenter: Marie Dunkle, M.K. Dunkle Consulting		Presenter: Bill Knipper, NNSS/NSTec		Presenter: Linda Murawski, Murawski Enterprises		Presenter: Diane Senutovich, LANL	
				<a href="#">Harnessing Change: One ERO Concept</a>			
				Presenter: Dave Stuhan, NNSS/NSTec			

# EMI SIG 2013 Annual Meeting Agenda



Wednesday, May 8, 2013 (continued)

9:30 am–10:00 am <b>BREAK</b>			
10:00 am–11:30 am <b>Concurrent Sessions</b>			
Grand B	Grand A	Truffles	Buckingham
<b>Session 2A Severe Events</b>  <b>Moderator: Jim Colson, LLNL</b>	<b>Session 2B Exercises</b>  <b>Moderator: Jim Daniels, NNSS</b>	<b>Session 2C Consequence Assessment</b>  <b>Moderator: Eugene McPeck, SNL</b>	<b>Session 2D Emergency Public Information</b>  <b>Moderator: Robert Gee, Y-12</b>
<b>Evaluation Link:</b> <a href="http://bit.ly/EMISIG-2A">http://bit.ly/EMISIG-2A</a>	<b>Evaluation Link:</b> <a href="http://bit.ly/EMISIG-2B">http://bit.ly/EMISIG-2B</a>	<b>Evaluation Link:</b> <a href="http://bit.ly/EMISIG-2C">http://bit.ly/EMISIG-2C</a>	<b>Evaluation Link:</b> <a href="http://bit.ly/EMISIG-2D">http://bit.ly/EMISIG-2D</a>
<p><a href="#"><u>BDBE Prioritization</u></a></p> <p><b>Presenter:</b> Sam Henderson, SNL</p>	<p><a href="#"><u>Lessons Learned Planning and Conducting a Full-Participation Active Shooter Exercise</u></a></p> <p><b>Presenter:</b> Terry Nore, Y-12</p>	<p><a href="#"><u>Estimating Clean-up Cost</u></a></p> <p><b>Presenters:</b> Wayne Davis and Annah Garrison, URS Professional Solutions</p>	<p><a href="#"><u>EPI in the Former Soviet Union—Working to Change the Established Culture</u></a></p> <p><b>Presenter:</b> John Mitchell, Knowledge Systems Solutions</p>
<p><a href="#"><u>Beyond Design Basis: How Far Beyond Would You Like to Talk About?</u></a></p> <p><b>Presenter:</b> Chuck Rives, Pantex</p>	<p><a href="#"><u>Hospital Preparedness for Radiological Incidents</u></a></p> <p><b>Presenter:</b> Todd Davidson, NNSS/NSTec</p>	<p><a href="#"><u>How Do I Explain a Consequence Assessment Model Prediction to Decision Makers?</u></a></p> <p><b>Presenters:</b> John Nasstrom and Kevin Foster, LLNL</p>	<p><a href="#"><u>Surfing the Winds of Change with Social Media</u></a></p> <p><b>Presenters:</b> Doug Larson and Melissa Otero, EOTA</p>
<p><a href="#"><u>Benchmarking Pantex and Hanford: A Meeting of the Prairies</u></a></p> <p><b>Presenter:</b> Chuck Rives, Pantex</p>	<p><a href="#"><u>Use of GIS in Emergency Response Part II, (iCRAM: I Can Read a Map!)</u></a></p> <p><b>Presenter:</b> William Purtymun, LANL</p>	<p><a href="#"><u>The Answer is Blowing in the Wind: Field Monitoring Team Operations for Oak Ridge National Laboratory</u></a></p> <p><b>Presenters:</b> Thom Kerr and Michelle Wolfgram, ORNL</p>	<p><a href="#"><u>Mock Media on a Mock Budget</u></a></p> <p><b>Presenter:</b> Dale Leschnitzer, LANL</p>

# EMI SIG 2013 Annual Meeting Agenda



Wednesday, May 8, 2013 (continued)

11:30 am–1:00 pm Lunch (on your own)			
1:00 pm–2:30 pm Concurrent Sessions			
Grand B	Grand A	Truffles	Buckingham
<p><b>Session 3A Consequence Assessment</b></p> <p><b>Moderator: Jim Colson, LLNL</b></p>	<p><b>Session 3B Emergency Facilities and Equipment</b></p> <p><b>Moderator: Michael Knazovich, SNL</b></p>	<p><b>Session 3C Technology</b></p> <p><b>Moderator: Jim Daniels, NNSS</b></p>	<p><b>Session 3D Communications and Notifications</b></p> <p><b>Moderator: Eugene McPeek, SNL</b></p>
<p><b>Evaluation Link:</b> <a href="http://bit.ly/EMISIG-3A">http://bit.ly/EMISIG-3A</a></p>	<p><b>Evaluation Link:</b> <a href="http://bit.ly/EMISIG-3B">http://bit.ly/EMISIG-3B</a></p>	<p><b>Evaluation Link:</b> <a href="http://bit.ly/EMISIG-3C">http://bit.ly/EMISIG-3C</a></p>	<p><b>Evaluation Link:</b> <a href="http://bit.ly/EMISIG-3D">http://bit.ly/EMISIG-3D</a></p>
<p><a href="#">SNL Field Monitoring Team</a></p> <p><b>Presenter:</b> Theresa Rolfe, SNL</p>	<p><a href="#">The Reluctance of People to Pull the Fire Alarm: A Review of the Research Project Conducted by PNNL on Human Performance Expectations During Emergencies</a></p> <p><b>Presenter:</b> Alisa Haller, PNNL</p>	<p><a href="#">Harnessing Mobile Technology to Deliver Critical Information</a></p> <p><b>Presenters:</b> Doug Larson, EOTA, and Paul Stoudenmire, ITP</p>	<p><a href="#">Notification to Offsite Agencies</a></p> <p><b>Presenter:</b> Anna Brown, NNSS/NSTec</p>
	<p><a href="#">Cyber Events—Goodbye Internet</a></p> <p><b>Presenter:</b> Sam Henderson, SNL</p>	<p><a href="#">Harnessing Technology Tools to Enhance Your Joint Information System</a></p> <p><b>Presenter:</b> Holly Hardin, ORISE</p>	<p><a href="#">Hurricane Sandy</a></p> <p><b>Presenter:</b> Michael Venegoni, BNL</p>
<p><a href="#">Integrating INPO Standards into Emergency Management at the Advanced Test Reactor</a></p> <p><b>Presenter:</b> Forrest Holmes, INL</p>	<p><a href="#">Managing Critical Systems for Higher Availability and Reliability</a></p> <p><b>Presenter:</b> Henry Pazos, NNSS/NSTec</p>	<p><a href="#">SharePoint: A Whirlwind of Innovation</a></p> <p><b>Presenters:</b> Jennifer Nachor and Paul Stoudenmire, EOTA</p>	<p><a href="#">That Was Soooo 30 Seconds Ago: The Crisis Communications Landscape Has Forever Changed—A Perspective from Waldo Canyon Fire</a></p> <p><b>Presenter:</b> Jeffrey Leifel, ORISE</p>



# EMI SIG 2013 Annual Meeting Agenda



Wednesday, May 8, 2012 (continued)

2:30 pm–3:00 pm	<b>BREAK</b>	
	EMI SIG Steering Committee Meeting	Haymarket
3:00 pm–4:30 pm	<p>Closing Session</p> <p>Moderator: Robert Gee, Y-12</p> <p>Evaluation Link: <a href="http://bit.ly/EMISIGClose">http://bit.ly/EMISIGClose</a></p> <p>Closing Keynote Address</p> <p><a href="#">Jennifer MacDonald</a>, Director, DOE Sustainability Performance Office (EE-2N)</p> <p>Topic: DOE’s Role in Responding to Hurricane Sandy</p> <p>Awards</p> <p>Open Discussion</p> <p>Adjournment</p>	
	Grand B	
4:30 pm–5:30 pm	EMI SIG Steering Committee Meeting	Haymarket

Thursday, May 9, 2013

7:00 am–8:00 am	<b>Breakfast (on your own)</b>	
8:00 am–12:00 pm	<p>Tour</p> <p><a href="#">Homeland Security Education Center at the College of DuPage</a></p>	Meet in East Lobby at 7:45 am
8:00 am–4:00 pm	<p>Exercise Builder Version 8</p> <p>Evaluation Link: <a href="http://bit.ly/ExBuild8">http://bit.ly/ExBuild8</a></p>	Grand B
1:30 pm–4:30 pm	<p>Exercise Builder Version International Overview</p> <p>Evaluation Link: <a href="http://bit.ly/ExBuildInt">http://bit.ly/ExBuildInt</a></p>	Haymarket

Comprehensive Evaluation Link: <http://bit.ly/2013EMISIG>

**Baron, Gerald, Agincourt Strategies LLC**

**Keynote Speaker**

**Opening Session**

**Why Crisis Communications Plans Fail**

How can you know the emergency public information plan you have will actually work, short of a major crisis? This presentation, based on the popular Emergency Management blogpost and white paper, identifies the primary reasons why many crisis and emergency communication plans will fail to meet today's high expectations.

**Billy, Patty, LLNL**

**Session 1B**

**Exercises Are Not All Fun and Games: The Emotional Side of Active Shooter Exercises**

In 2012, Lawrence Livermore National Laboratory conducted several drill and exercise scenarios using an active shooter as the initiating event. This included working with outside law enforcement and hospitals. During the post exercise, debriefs included comments by the first responders and actors, as well as off-site participants, regarding the emotional side of responding to such an event. This presentation will include actual video of the conversation between an actor and the off-site hostage negotiation team.

**Brettell, Patrick, DOE Office of Emergency Management (NA-41)**

**Opening Session**

**National Preparedness Report**

The presentation discusses DOE input to the National Preparedness Report (NPR), an annual report required by Presidential Policy Directive 8 (PPD-8) and compiled by the Federal Emergency Management Agency (FEMA) with input from all other federal agencies. The Report documents progress “toward building, sustaining, and delivering the 31 core capabilities” outlined in the National Preparedness Goal (NPG). These core capabilities cover prevention of, protection from, mitigation of, response to, and recovery from any emergency that affects the United States on national scale. The presentation communicates the information-gathering process of the NPR in order to expedite future iterations of the annual requirement and ensure uniform input.

**Brown, Anna, NNSS/NSTec**

**Session 3D**

**Notification to Offsite Agencies**

This presentation addresses how the Nevada National Security Site (NNSS) has improved communications and notifications provided to offsite agencies with respect to the site's hazards, locations thereof, and the potential effects of those hazards on the public. This presentation specifically highlights a tool that was developed to improve the process in communicating protective action recommendations (PARs), allowing offsite agencies to effectively implement PARs. In addition, the presenter provides other process improvements that the NNSS has implemented in support of building better partnerships with offsite agencies..

**Chartier, Ryan, NNSS/NSTec**

**Session 1A**

**Integrated Emergency Response and Severe Event Relocation**

Presenter discusses the Nevada National Security Site (NNSS) Integrated Emergency Operations. The presentation looks at integrated emergency operations in the Operations Coordination Center (OCC) during emergency incidents, with a focus on integration of OCC (Operations Coordination Center) Duty Manager, Fire Dispatch, OSS (Operations Support Specialists) WSI-NV Security Liaison, and AGOS (Air Ground Operations Support). This presentation also discusses capabilities to relocate the Operations Coordination Center (OCC) to an alternate facility more than 65-miles away during a severe event with catastrophic consequences that impacts emergency response centers. The presenter addresses

some key strengths, and also weaknesses, in the relocation process.

**Davidson, Todd, NNSS/NSTec**

**Session 2B**

**Hospital Preparedness for Radiological Incidents**

When the hospital receives a call that a mass surge of patients from a radiation accident is on the way, a planned course of action should be followed. Training should be part of the hospital in-service program and should include EMT's and paramedics since they play an important role in assisting the emergency department staff through notification, control and transport of radiation accident victims before arrival. Each member of the hospital team should be familiar with the hospital's written plan and be required to participate in scheduled drills and exercises. More frequent drills (semiannually) should be considered by fire & rescue, or radiological monitoring. The first responder should be familiar with the hospital's capabilities and their established process when dealing with radiological contaminated patients. Involving both the first responders and the hospital emergency department staff during drills and exercises can assist with discovering those gaps prior to the radiological incident occurring and provide a path for success.

**Davis, Wayne, and Annah Garrison, URS Professional Solutions**

**Session 2C**

**Estimating Clean-up Cost**

This presentation outlines a method to estimate the extent of ground contamination (surface area and distance from release). This method uses a familiar consequence assessment code (HotSpot) and existing chemical and/or radiological cleanup criteria. The output may be used in support of Emergency Management (e.g., Recovery Phase) or other disciplines (e.g., Fire Hazards Analysis cost calculations). This method was recently used in support of a DOE site Fire Hazards Analysis.

**Dunkle, Marie, M.K. Dunkle Consulting**

**Session 1A**

**Critical Safety Functions and Emergency Planning/Response: Understanding and Integrating the Links**

One of the lessons learned through last year's BDBA Event pilots and addressed in the 2012 Nuclear Safety Workshop was the need for integration of emergency planning with Operations emergency actions and recognition of the critical safety functions that operators perform to mitigate

emergencies. This talk provides examples of mitigation responses performed by plant operations and maintenance personnel to limit the progression of accident scenarios at both chemical and nuclear facilities. The speaker makes practical points to explain why understanding of critical safety functions performed by operations may benefit the emergency planning processes of risk analysis, scenario development, tabletop conduct, personnel safety, and site readiness.

**Fellows, Lani, NNSS/NSTec**

### **Monday Benchmarking**

#### **Benchmarking: Developing a Comprehensive Emergency Management Plan**

This facilitated benchmarking experience allows DOE/NNSA sites to share information regarding the creation and documentation of site-wide emergency management plans, to include preparing for beyond design basis events. Participants explore base program planning as well as hazardous/severe event planning and get a wider perspective of the varying programs. Session encourages collaboration opportunities for each site to explore enhancements to their individual program plans. Typically, sites are afforded to travel to one or two sites for benchmarking programs; however, this benchmarking experience brings a multitude of sites together in one location. Pre-registration for this session is recommended so sites can bring their site-specific documents, etc. (NOTE: Controlled Attendance)

**Freshwater, David, William Froh, and Patrick Brettell, DOE NA-41**

### **Workshop 1**

#### **Severe Events Planning**

The workshop addresses specific aspects of emergency planning for severe events by examining: specific requirements that address planning needed to respond to severe events; planning for the response to simultaneous accidents at multiple facilities; coordination of site, facility, and community emergency plans; and integration of the site's emergency management, security, and continuity of operations (COOP) activities.

**Freshwater, David, William Froh, and Patrick Brettell, DOE NA-41; Marie Dunkle, MK Dunkle Consulting; Eva Hickey, PNNL; and John Mitchell, KSS**

### **Workshop 3**

#### **Severe Events Exercises**

The workshop addresses the use of drills and exercises to develop measures/procedures to compensate for the loss or degradation of critical systems or capabilities related to emergency response or control of hazards in a facility. The workshop discusses considerations involved in planning and conducting exercises involving multiple facilities versus a single facility. Lessons learned by sites that have already conducted severe event drills/exercises are in the workshop.

**Haller, Alisa, PNNL**

### **Session 3B**

#### **The Reluctance of People to Pull the Fire Alarm: A Review of the Research Project Conducted by PNNL on Human Performance Expectations During Emergencies**

After multiple incidents occurred where staff members did not activate the facility fire alarm, PNNL conducted a scientific research project to determine what the underlying behavioral issues were that caused the staff's reluctance to activate the fire alarm. A cross-section of individuals were identified

with varying degrees of experience, education, and position level. An interview methodology was employed, and a statistician was utilized to determine analysis of the data and any relations with the data and variables. This presentation will review how the research was developed, the methodology, the hypothesis, the variables, the results, and the conclusions.

**Hardin, Holly, ORISE**

**Session 3C**

### **Harnessing Technology Tools to Enhance Your Joint Information System**

When critical issues arise or an emergency event occurs, ensuring your Joint Information System (JIS) is capable of communicating and disseminating emergency public information is essential. In severe and multi-site events, the JIS must be well-developed, well-trained, and provide for redundant communications. With the advent of new communications technology such as social media, mobile applications, smartphones, and tablets, emergency communicators are well-equipped to ensure warning and notifications can be disseminated to affected communities and provide redundant communication systems. This presentation describes free and low-cost technology solutions for enhancing and establishing redundant communication systems for a JIS. Additionally, case studies and best practices are discussed and presented so that attendees may integrate these technologies into their own JIS to provide practical communications solutions.

**Henderson, Sam, SNL**

**Session 2A**

### **BDBE Prioritization**

This presentation covers how Sandia National Laboratories has incorporated BDBE exercises into their Emergency Management Exercise Program, which also includes COOP exercises. It includes the results of SNL's most recent BDBE tabletop exercise and how we utilized the SNL/CA site, which had already done comprehensive planning for earthquakes as a result of their location and elevated risk of having such an event as well as the positives and possible negatives of our sharing a site with the DoD United States Air Force. Opportunities for Improvement resulting from the TTX, and how we tracked them to completion, as well as a response priority methodology that was developed for all of our facilities, are discussed.

**Henderson, Sam, SNL**

**Session 3B**

### **Cyber Events—Goodbye Internet**

This session discusses SNL's processes currently in place and a recent assessment of the site's readiness and ability to coordinate and manage response to a cyber event that would necessitate Sandia's disconnecting from the Internet. Gaps, issues, and areas for improvement are shared.

**Hodgin, Reed, AlphaTRAC**

**Session 1C**

### **National Capability Gaps for State and Local First Responders: What They Are, How They Are Developed, and What They Mean for DOE**

The Department of Homeland Security (DHS) First Responder Group supports the needs of more than 60,000 state and local emergency response organizations. As part of this mission, DHS established the First Responder Resource Group, a panel of over 120 state and local responders, to

identify and prioritize responder capability gaps. DHS uses the recommendations of the panel to establish multi-year initiatives to close these gaps. This presentation introduces the DHS process, summarizes the gaps currently identified by the response community, and describes the DHS initiatives to address these gaps. Implications for DOE first responders are discussed.

**Holmes, Forest, INL**

**Session 3A**

### **Integrating INPO Standards into Emergency Management at the Advanced Test Reactor**

In 2012 the Advanced Test Reactor (ATR) Complex embarked on a mission to implement sustained excellence in operations. Several elements of the sustained plan activities required participation by the INL emergency management program. Using Institute of Nuclear Power Operations (INPO) guidance documents such as "INPO 05-003 and its recent update INPO 12-013 "Performance Objectives and Criteria, several products were developed to aid in program administration and performance monitoring. (1) A gap analysis identified three initial focus areas for program improvement that are now part of the ATR Sustained Excellence Plan. (2) Performance indicators related to the results of the gap analysis were developed to aid in monitoring the process of achieving and maintaining excellence. (3) Improvements in event categorization and classification tools were realized by benchmarking systems utilized by commercial nuclear plants. The primary focus of the presentation is an overview of the reasoning, process and materials developed to date to implement relevant INPO standards at the ATR Complex.

**Kelly, Tim, BNL**

**Session 1C**

### **Events Leading to Well House Explosion**

In October of 2008 BNL had an explosion and full destruction of one of the well house buildings. Presenter discusses the events that led to the explosion and what changes were made in procedures and maintenance.

**Kerr, Thom, and Michele Wolfgram, ORNL**

**Session 2C**

### **The Answer is Blowing in the Wind: Field Monitoring Team Operations for Oak Ridge National Laboratory**

This presentation focuses on the evolutionary changes to Field Monitoring Team operations for Oak Ridge National Laboratory (ORNL) over the last five years. It describes important changes in procedures, facilities, equipment, and implementation that have markedly increased the efficiency and timeliness of FMT data incorporation into event consequence assessment. It also describes how ORNL FMT operations support offsite field monitoring for the State of Tennessee.

**Knipper, Bill, NNSS/NSTec**

**Session 1D**

### **The Marines Want to Do WHAT?**

NSTEC Emergency Planning and Preparedness has now engaged in Work For Others (WFO) projects with a recurring customer in support of interdepartmental training. The composite force of disciplines associated with carrying out these types of projects have resulted in a renewed and untapped resource for a DOE customer base that had not recently operated in this depth of

training. Our sites offer unique opportunities to accomplish training and draw upon various expertise not typically found in most training arenas. This session will explain how our project team offered a unique training product that left a WFO customer wanting more and more based on our abilities.

**Knipper, Bill, NNSS/NSTec**

**Session 1B**

### **No Time Outs When Terrorists Attack**

The CARNIVORE-13 Full-Scale Exercise scheduled in Nevada in June 2013 has invoked a regional planning effort that draws upon responders from two states as well as site security and local, county, and federal response agencies that will engage their organizations in an extended event that will quickly overwhelm the capabilities of the facility. This event has multiple malevolent acts occurring in rapid succession in different buildings. With such a pronounced response, control and safety of the exercise must be a well-coordinated affair involving multiple agencies submitting controllers, evaluators and subject matter experts in order to facilitate a valuable and groundbreaking training event. This session is designed to give others in the emergency management arena insight in what potential they may be able to achieve at their own site.

**Larson, Doug, and Melissa Otero, EOTA**

**Session 2D**

### **Surfing the Winds of Change with Social Media**

Social media has created a major change in crisis communications. Twitter, Facebook, Flickr and YouTube have become new ways the public seeks information in times of trouble. By examining how social media has been used by the public in an emergency, crisis communicators can surf the winds of change and provide information quickly and efficiently to the public using new technology.

**Larson, Doug, EOTA, and Paul Stoudenmire, Innovative Technology Partners (ITP)**

**Session 3C**

### **Harnessing Mobile Technology to Deliver Critical Information**

In a rapidly changing world of information technology, the Emergency Operations Training Academy (EOTA) provides innovative cutting edge answers to the demand for technology advancements. This presentation demonstrates the versatility and mobility of accessing information through mobile devices by means of an Electronic Performance Support System. The demonstration spotlights access to COOP checklists, EPI message maps, and job aids on radiological detection devices; only a few of the vast number of applications adaptable to other programs. The EPSS has cross-platform implementation and can support media-rich content, including video, making just-in-time refresher or on-the-job training accessible from any location.

**LaSalla, Charles, BNL**

**Session 1C**

### **Events Leading to Well House Explosion**

In October of 2008, BNL had an explosion and full destruction of one of the well house buildings. This presenter will discuss the events that lead to the explosion and what changes were made in procedures and maintenance.

**Leschnitzer, Dale, LANL**

**Session 2D**

### **Mock Media on a Mock Budget**

Add realism to your exercises and training with mock media. Audio, video, and interactive web artifacts are easy to produce with limited experience and inexpensive or even free tools. The presenter uses mock media effectively for EM, COOP, IT operations, and Cyber Security exercises.

**Leifel, Jeffrey, ORISE**

**Session 3D**

### **That Was Soooo 30 Seconds Ago: The Crisis Communications Landscape Has Forever Changed—A Perspective from Waldo Canyon Fire**

Does the public know more than you do? Maybe... As one of the many first responders and emergency management personnel involved during the Waldo Canyon Fire, the presenter takes this session back to the incident and then challenges the audience to look inward at their own Crisis Communication efforts. Do you see opportunities to incorporate new technology or involve a social media channel you previously thought unnecessary? See exactly why news and the public are ahead of official releases and determine how to best incorporate technology and social media.

**MacDonald, Jennifer, Director, DOE Sustainability Performance Office (EE-2N)**

**Opening Session**

### **Leveraging Lessons Learned from Hurricane Sandy: DOE Operations and Climate Change Adaptation**

On October 29, 2012, Hurricane Sandy made landfall near Atlantic City, NJ as a post tropical cyclone. Sandy caused devastation to millions of U.S. citizens from North Carolina to Maine, greatly affecting the energy infrastructure and thus, emergency response and rehabilitation. Shortly following, on November 7th, a Nor'easter also hit the Mid-Atlantic and Northeast. This catastrophic series of events caused 8.5 million customer outages in 21 states. The U.S. Department of Energy (DOE) is working to align its first Climate Change Adaptation Plan with recent lessons learned from Sandy. This has implications for DOE's natural disaster and emergency response teams, facility operations (COOP), energy infrastructure support and associated planning.

**Mitchell, John, Knowledge Systems Solutions**

**Session 2D**

### **EPI in the Former Soviet Union—Working to Change the Established Culture**

Organizational cultures form over time through behavior patterns that are perceived to lead to successful outcomes. EPI has become increasingly important, with the advent of better technology and more dynamic communications models worldwide. Changing EPI culture requires awareness of the culture, assessment of needed changes, and the creation of new models, along with the leadership, tools, and commitment to implement these new models. It also requires monitoring and feedback to ensure new EPI models are effective and implemented. This presentation reports challenges and successes in changing the Russian nuclear agencies' EPI organizational culture.

**Murawski, Bob, Murawski Enterprises, Inc., and Roger Thompson, TEMA**

**Session 1B**

**Exercising with State and Local Governments**

The U.S. Department of Energy (DOE) exercises under the requirements of DOE Order 151.1C. State and local governments exercise under the requirements of the Homeland Security Exercise Evaluation Program. The DOE sets a minimum requirement of inviting the state and local governments to participate in an exercise every three years. These three requirements, if implemented in strict compliance, may result in an uncoordinated response between onsite and offsite response agencies. This presentation discusses the strategies that have been implemented at the Oak Ridge Reservation (Y-12, ORNL, and ETTP) to ensure a strong understanding and working relationship between the DOE/NNSA, their contractors, and state and local governments and agencies.

**Murawski, Linda, Murawski Enterprises, Inc.**

**Session 1C**

**Let's Face It: Change Happens and the Emergency Response Organization Is No Exception**

Emergency Response Organizations (EROs) are not immune to change. Indeed, they are experts in the change process based on the very nature of their jobs. A useful framework for thinking about the change process is problem solving through leadership and decision making. Managing change can be viewed as moving from the problem state to the solved state. ERO leaders affect change through the goals they set and achieve at various levels and in various areas or functions. Careful planning, supported by efforts to obtain buy-in, support and commitment, provide a transition from one state to another with win-win results.

**Nachor, Jennifer, EOTA, and Paul Stoudenmire, Innovative Technology Partners (ITP)**

**Session 3C**

**SharePoint: A Whirlwind of Innovation**

EOTA has transformed its business practices from paper to electronic using SharePoint. SharePoint connects your organization and its customers with a manageable, searchable, secure, and accessible information environment. It enables valuable business knowledge to be captured in an easily searchable information medium. It is an effective management, collaborative, and communication tool. The benefits of SharePoint include improved team effectiveness, connecting people with information and sharing resources, rapid response to changing situations, and shared business data without divulging sensitive information. By harnessing these winds of change, the methods we used for improvement could be tailored to work for anyone.

**Nasstrom, John, and Kevin Foster, LLNL**

**Session 2C**

**How Do I Explain a Consequence Assessment Model Prediction to Decision Makers?**

This presentation describes new products that provide incident-specific plume maps and briefing slides to explain, to decision makers, the public and worker protective actions that should be considered following a hazardous atmospheric release. These consequence assessment "briefing

products" use plain, non-technical language and have been recently made available to DOE sites automatically through the NARAC Web system.

NARAC is a DOE site resource for beyond-design-basis consequence assessment modeling, as NARAC can simulate long range atmospheric dispersion, as it did for the Fukushima nuclear plant accident. NARAC consequence assessment modeling tools are some of the most widely used at DOE sites. Disseminating knowledge of the latest features of NARAC products and tools is important for maintaining emergency preparedness at DOE sites.

**Nee, Ted, SNL**

**Session 1D**

### **Web-Based Hazardous Materials Technician and Incident Command Training**

This session presents an overview of a web-based hazardous materials technician and hazardous materials incident commander training program based on the "Hazardous Material: Managing the Incident" textbook. This program is suitable for both initial certification and ongoing refresher training. DOE site instructors have the ability to add site specific custom content to the web-based curriculum. The curriculum meets all of the job performance requirements in the NFPA 472 Hazardous Materials Technician 2013 Edition.

**Nee, Ted, and Dennis Cavalier, SNL**

**Workshop 4**

### **Competency-Based Command Training and Certification**

This session presents a command training model and system that can be adopted by emergency response groups across all of the Department of Energy sites. In this interactive presentation and workshop the presenters provide an overview of competency-based training and certification for incident commanders and company officers using the "Blue Card" command program. The instructors discuss the latest research on decision skills training and the value of high fidelity incident simulation training in developing command competence. Attendees are given the opportunity to participate in several high-fidelity incident simulations facilitated by the instructors.

**Nore, Terry, Y-12**

**Session 2B**

### **Lessons Learned Planning and Conducting a Full-Participation Active Shooter Exercise**

This presentation focuses on the lessons learned during the planning and conduct of a full-participation Active Shooter exercise at the Y-12 National Security Complex. Specific topics include how MOUs and MOAs with local law enforcement agencies may not be fully vetted (bringing cameras, video and explosives on to your site); not fully developing scenario data for the 'shooter' to use during interrogation; and the ERO's confusion with multiple applicable protective actions.

**Pazos, Henry, NNSS/NSTec**

**Session 3B**

### **Managing Critical Systems for Higher Availability and Reliability**

This presentation provides an overview on how National Security Technologies, Emergency Facilities and Equipment Section, has formally identified its nine Critical Systems and how these systems are being managed to ensure higher availability and reliability for Emergency Services and

Operations Support (ESOS) Command Centers. Further defined are the Command Center notification and reporting requirements for reporting outages for Critical Systems, from outage occurrence, to outage restoral. Recently developed Uptime Metrics will show the uptime and availability rates for all nine ESOS Critical Systems over the past year.

**Purtymun, William, LANL**

**Session 2B**

**Use of GIS in Emergency Response Part II, (iCRAM: I Can Read a Map!)**

With the advent of Geographic Information Systems, mapping has become easier and yet more complex as the amount of information available increases. Emergency Responders have many tools available to them but perhaps none are as important as the ability to locate oneself spatially, as on a map or a computer during emergency response operations through to recovery. During the Las Conchas Fire, multiple mapping needs and sources of information were available, which sometimes lead to confusion over what was being depicted. This presentation discusses some of these mapping needs, the display of protective actions, as well as what pre-planning that can be done to streamline the mapping process during an emergency, both for use in drill and exercises.

**Rives, Chuck, Pantex**

**Session 2A**

**Beyond Design Basis: How Far Beyond Would You Like to Talk About?**

Pantex has developed a methodical approach to examining, sorting and prioritizing Severe Events. This process could be applied at many sites. It provides some justification for selection of planning scenarios and budgeting analytical and emergency planning resources for Severe Events and Beyond Design Basis Events.

**Rives, Chuck, Pantex**

**Session 2A**

**Benchmarking Pantex and Hanford: A Meeting of the Prairies**

Hanford and Pantex conducted a benchmarking meeting to collaborate on severe events; ERO personnel; EPHA/EAL development and maintenance; training of ERO and general site employees; and beyond design basis and multi-facility exercise development. The presentation addresses lessons learned from the visit.

**Rolfe, Theresa, SNL**

**Session 3A**

**SNL Field Monitoring Team**

Field monitoring data for a radiological release event are communicated to the Consequence Assessment Team. The team analyzes the data using the SNL-developed Consequence Assessment Field Monitoring Tool and uses the data to scale the source term. The release is then remodeled using the new, more accurate source term to identify contamination levels and to provide updated recommendations for the Incident Commanders to modify any protective actions. This Field Monitoring Tool will be described and demonstrated.

**Senutovitch, Diane, LANL**

**Session 1D**

**Where are the Super Heroes?**

How are we unifying Active Shooter (AS)/Work Place Violence (WPV) event responses into our emergency planning and preparedness base programs for our overworked/over stressed workforce? Where are the Super Heroes?—is really asking, “Who is protecting me, my family, and friends at our places of work?”

Expecting our workers to harness their own "superhero" via training, awareness briefings, drills and activities that encourage them to practice "Run, Hide or Fight" responses to an active shooter event is a sobering yet realistic expectation. Do we modify building/occupant emergency procedures and protective actions to incorporate worker and responder actions to (AS/WPV) event at work, home, or out and about? Leaders must demonstrate and communicate security-safety values for workers to embrace a strong security-safety culture in the workplace, and their own responsibilities.

**Senutovitch, Diane, LANL**

**Session 1A**

**Resiliency Is for Everyone!**

Planning for "beyond design basis events analysis" isn't just about the perfect storm scenario that brings chaos and destruction. An all hazards approach to methodically plan for and ensure the resiliency of our programs during events that will impact their performance is preparation for sustainability. Our ability to be resilient as we are bombarded by change will determine our capacity to sustain our programs and ability to adapt and be pliable after an event is the true assessment of our planning and preparedness collaboration efforts.

We need to take the time and create the energy to focus on the multi-tiers of collaboration within the mission and programmatic work done across our sites and merge our resiliency programs to ensure our mission goals include sustainability goals for our organizations. The ability to adapt with the adjustments to our workforce and the modifications to programmatic requirements will be validated in how well we harness these transformations and ensure our resiliency to these potential transformations.

## **Stambaugh, Joseph, Director, DOE Office of Emergency Operations Support (NA-44)**

### **Opening Session**

#### **Changes in Emergency Operations Support**

This session outlines operations of the Office of Emergency Operations Support (NA-44) and how the office is changing to address the new reality of staffing and budget across the spectrum of the Emergency Communication Network, Watch Office Operations, and Current Operations.

## **Stuhan, David, NNSS/NSTec**

### **Session 1C**

#### **Harnessing Change: One ERO Concept**

Presenter discusses the Nevada National Security Site (NNSS) Emergency Response Organization (ERO) Consolidation Project. The focus of this project is to consolidate two emergency response facilities and Cadre members (Emergency Management Center and Emergency Operations Center) into an “One ERO Cadre” concept, while maintaining two dedicated facilities (primary/alternate) that are interchangeable and flexible. In addition, this consolidation project provides opportunities to align with the National Incident Management System (NIMS) principles; enhances collaboration with our regional partners; streamline command and control and operational continuity; and addresses some existing programmatic weaknesses to include a functional alternate facility during a catastrophic severe event.

## **Titus, Stephanie, Reed Hodgins, and Derek Skene, AlphaTRAC**

### **Workshop 2**

#### **Crisis Decision-Making for Emergency Response**

This training workshop explores the process of effective crisis decision-making. Crisis decision-making is different from other types of decision-making because of the unique difficulties it presents. The recognition-primed decision (RPD) model, an approach in which knowledge of past experiences is used to make decisions about real-time events, is introduced. Participants learn a six-step implementation of RPD that can be applied successfully in crisis situations at their own jobs. This DOE-specific course has been adapted from courses delivered to the International Association of Fire Chiefs, the Alliance of Hazardous Materials Professionals, and the San Francisco Bay Area Urban Area Security Initiative.

### **Tour**

Completed in fall of 2011, the COD’s \$25 million HEC facility houses the college's Criminal Justice, Fire Science/EMS, Police Department, and the Suburban Law Enforcement Academy. This comprehensive, multi-jurisdictional training center features:

- A full-scale indoor street scene for force-on-force exercises
- Forensics and cybercrimes labs
- A command center designed to instruct National Incident Management System protocols
- A smoke room with moveable walls for EMS, fire rescue simulations
- An outdoor scaling and rappelling tower, and a full-size ambulance



## EMI SIG 2013 Annual Meeting Abstracts



This facility places College of DuPage at the forefront of first responder training in the Midwest. Approximately 7,600 individuals are expected to receive training through the HEC annually.

<http://www.cod.edu/academics/facilities/hec.aspx>

**Venegoni, Michael, BNL**

**Session 3D**

**Hurricane Sandy**

The presentation provides best practices and lessons learned with preparing for, responding to and recovering from Hurricane Sandy. It will also describes how the hurricane impacted BNL and how it affected employees in the surrounding area; what precautions were taken to prepare and how we communicated to all employees, guests and users before, during and after the storm; and how we identified essential activities and maintained essential staff. The presentation speaks to how BNL supported the local emergency management agency and FEMA after the storm.