

# Emergency Management in an Interconnected World

2015 2nd ANNUAL TIEMS USA CONFERENCE

Organized by  
The International Emergency Management Society (TIEMS)  
USA Chapter

June 23 – 25, 2015

Portland State University, Portland, Oregon USA

Sponsored by and in Cooperation with





## Welcome to the 2<sup>nd</sup> Annual TIEMS USA Conference June 23-25, 2015!



At the same time climate change is increasing the frequency of extreme natural events, and populations are aging and becoming more concentrated in vulnerable areas, we increasingly rely on infrastructure supplying critical water, energy, transportation, and information services. Increasing interconnectedness within and between communities across the world creates new challenges for emergency management --- and new opportunities.

This conference will explore the challenges and benefits brought to emergency management by our growing interconnection and interdependence as a global network of communities. Topics discussed include

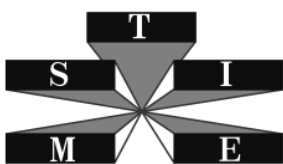
- Climate change - shared vulnerabilities and solutions
- Managing disease outbreaks as a global community
- Global information connectivity and managing cyber threats
- Managing risks due to energy interdependence and transportation
- Insuring business continuity and the participation of businesses critical to emergency preparation and response
- Facilitating collaboration across international, organizational, and professional boundaries
- Technologies, approaches, and case studies relevant to global emergency preparation and response.

### FROM YOUR CONFERENCE ORGANIZER



This conference provides a unique opportunity in the US to connect with the international emergency management community. Researchers, practitioners, industry representatives, academics, students, political and administrative decision makers, risk management specialists, authorities, the insurance industry and others with interest in participating in or learning from international emergency management will benefit from attending.

Welcome to the hospitality and beauty of the Pacific Northwest, and join us for stimulating conversation, to learn from each other, and to collaborate in making our global community safer and more resilient! Please contact me if there is anything I can do to make your visit more enjoyable. (This is a great time to be walking in Portland - please see the maps attached to this program!)



[Thomas V. Robertson, Ph.D.](#)  
Director, TIEMS North America Region  
[TIEMS Website](#)  
Mobil: + 1 781 552 9318  
E-mail: [tvrobertson@yahoo.com](mailto:tvrobertson@yahoo.com)  
[Thinking Teams](#)



## HIGHLIGHTS OF SPEAKERS AND TOPICS



**K. Harald Drager (Norway)**, founding member and President of TIEMS, Mr. Drager has expanded TIEMS to become a worldwide organization with activities in Asia, Europe, the Americas, Africa, and Oceania; Mr. Drager will provide us a **global perspective on emergencies**, the role played by TIEMS and set the context for this conference.



**Dr. QU Guosheng (China)**. Professor and Deputy Director of S&T Committee of the National Earthquake Response Support Service (NERSS) in China; Deputy General Team Leader of China International Search and Rescue Team (CISAR). Dr. Qu has published more than 100 papers in earth science, **earthquake risk analysis, and emergency response**, and he will provide a seasoned perspective from an area of the world with extensive earthquake experience.



**Kay Goss (USA)**. Founding president and CEO for World Disaster Management; former associate FEMA director in charge of national preparedness, training, and exercises for President Bill Clinton. A Fellow, National Academy of Public Administration, Kay will keynote our session on an important contemporary aspect of emergency management – **Cyber Security**. This session will include presentations on **Cyber Security Resilience and Remediation, and Safeguarding Critical Infrastructure** from the Inside Out.



**Ellis M. Stanley, Sr. (USA)**. Chairman, Global Board of Directors for The International Association of Emergency Managers (IAEM), will keynote our session on the organizational and “people “ aspects critical to emergency management in an interconnected world – **“Relationships and the Road to Resiliency”**. This theme will continue with presentations on **Oregon Emergency Management, Past and Future**, and an initiative to **improve global resilience through education**.



**Carl Taylor (USA)**. Executive Director HCH, LLC, Executive Director, Fraser Institute for Health and Risk Analytics, will keynote our session on **managing disease outbreaks as a global community**. This session will include discussion of recent experience in the Ebola outbreak, and public health measures to improve trust and responsiveness in the interaction between the public, health officials, the medical community, and researchers.



**Tom Stahr (USA)**. Senior Consultant, Environmental Resources Management, Chairman for Disaster Response, National Demolition Association, will provide his perspective on often underappreciated emergency responders – **the demolition and restoration industries**. He will address some of their special challenges in “Recognizing Barriers Preventing Utilization of Skilled Demolition and Removal Resources during a Disaster Response”



**Meen B. Poudyal Chhetri (Nepal)**. President, Nepal Center for Disaster Management; Adjunct Professor, Queensland University of Technology; former Director, Department of Disaster Management, Government of Nepal. Meen will take time out from his emergency management activities in Nepal to give us a first-hand account of recovery efforts following the 25 April, 2015 earthquake.



**Jane Wolfe and Amy Baker** created **Ready, Set, Go! Emergency Training** to help prepare teams and communities for quick response in any situation. **Jane Wolfe**, founder of Express Your Life!, trains individuals and organizations to respond confidently to the uncertain, unimaginable, and unpredictable life events. **Amy Baker, M.A.** is a counselor, writer, and artist. A facilitator of expressive arts playshops, she assists individuals and

groups in developing a flexible and creative mindset in the face of any challenging, dangerous, or chaotic situation, and in connecting and building community resources.



## PROGRAM

**Tuesday 23<sup>rd</sup> June 2015**  
**Natural Disasters and Disease Outbreaks –**  
**Shared Vulnerabilities and Solutions**

**0800 – 0900 On-Site Registration**

**0900 – 1200 Tuesday Morning**

**K. Harald Drager, TIEMS President (Norway) - *TIEMS Worldwide Operation and Activities towards Resilient Societies***

**Meen B. Poudyal Chhetri, Nepal Center for Disaster Management (Nepal) – *Lessons Learned from the 2015 Nepal Earthquakes***

**Matthew Cutts\* and Birol Yesilada, U.S. Army Corps of Engineers, Portland State University (USA) – *Decision-Making Associated with Infrastructure Investments: Preparing for a Cascadia Subduction Zone Earthquake and Tsunami in the Pacific Northwest***

**Connie White, James Hagen\*, Michael West, and Edward Dearman, Saint Xavier University and University of Southern Mississippi (USA) – *Technological Advances Leveraging Use of Small Unmanned Aerial Vehicles (UAVs) in Emergency Management***

**1200 – 1330 Lunch – provided on site for registered attendees**

**1330 - 1700 Tuesday Afternoon**

**Carl Taylor, Fraser Institute for Health and Risk Analytics (USA) - *Bugs, Barriers, and Borders***

**Thomas Robertson\* (Thinking Teams - USA), Jeanne Svalebek Jorgensen and John Haukeland (Teknologirådet DBT Foundation - Denmark) , and Kailash Gupta, (TIEMS India Chapter - India) – *Crisis Participatory Governance for Pandemics***

**James Hagen\* and Connie White, Saint Xavier University and University of Southern Mississippi - *Management of Pandemic Societal Response: Effect of International Health Regulations and Global Governance***

**Joseph Pollack, COncORD Consortium (France) – *The COncORD Consortium***

**Andre LeDuc, University of Oregon (USA) – *Creating Disaster Resilient Universities***

**1800 - 2000 Reception at the Hotel Modera – 515 SW Clay Street, Portland 877.484.1084**

**\* Presenter**



**Wednesday 24<sup>th</sup> June 2015**  
**Cyber Security, Emergency Management, and Business Continuity**

**0900 – 1200 Wednesday Morning**

**Kay Goss, Former Associate FEMA Director (USA) - *The Intersection Between Emergency Management and Cyber Security***

**Megan Levy, Center for Regional Disaster Resilience, Pacific Northwest Economic Region (USA) - *Cyber Security Resilience and Remediation***

**Jack Whitsitt, Energy Sector Security Consortium (USA) - *Safeguarding Critical Infrastructure from the Inside Out***

**Taslim Arif, Laia Gasparin, Tassio Vale, and Vaninha Vieira\* VOMATEC Innovations GmbH (Germany) and Federal University of Bahia (Brazil) - *Architecture Challenges for Crowd-based Emergency Management System: Experiences from architecting in a distributed development setting***

**1200 – 1330 Lunch with special guests Jane Wolfe and Amy Baker**

**1330 – 1700 Wednesday Afternoon**

**Mary Tyszkiewicz, Heroic Improvisation (USA) – *Play for Real: How Small Groups Tackle High-Stakes Events Through Caring***

**Timothy Stephens\* and Will Meyer\*, MESH Coalition, Acclivity Associates (USA) – *Is Health Insecurity Contagious?***

**Linda Kiltz, Walden University (USA) - *Impact of Climate Change on Critical Infrastructure and Emergency Management***

**Tom Stahr\*, R. R. Rapp and M. Shaurette, ERM, Inc, Purdue University (USA) - *Overcoming Barriers Preventing Utilization of Skilled Demolition and Debris Removal resources During a Disaster Response***

**John Valencia and Mike Scott, City of San Diego, San Diego Regional Partnership (USA) – *Situation Awareness Map Applications (San Diego Urban Area): In a Sea of Choices, What is the Right Application for Our Region?***

**Lorraine Churchill, Critchlow Ltd (New Zealand) – *Perception of Value***

**1700 Wednesday Evening - Adjourn to enjoy Portland: food carts, brewpubs, restaurants, cruise!**

**\* Presenter**



## Thursday 25<sup>th</sup> June 2015 Local and International Community Response to Disasters

### 0830 – 1200 Thursday Morning (note early start!)

**Listya Kusumawati and Tjokorda Nirata Samadhi, Paris Institute of Political Studies, RMIT University (France, Indonesia) – *One Map & One Data as an Infrastructure Vehicle for Disaster and Emergency Management in Indonesia***

**Ellis M. Stanley, Sr., IAEM Global Board Chairman (USA) – *Relationships and the Road to Resiliency***

**Guosheng Qu, TIEMS Vice President (China) - *Nepal Earthquake Emergency Response and SAR Operation of USAR Teams and the Preparedness of Capacity Buildings of USAR Systems in Nepal***

**Myra T. Lee, Former Oregon Emergency Management Director (USA) – *Emergency Management Past, Present, and Future***

**Thomas Robertson, Thinking Teams (USA) – *Global Capacity Building through Online Emergency Management Education and Certification***

### Conference Summary and Conclusions

### 1200 – 2130 Thursday Afternoon/Evening

#### FIELD TRIP TO MOUNT ST. HELENS

On May 18, 1980, the deadliest and most economically destructive volcanic event in the history of the United States occurred when Mount St. Helens erupted. A massive avalanche triggered by an earthquake of magnitude 5.1 on the Richter scale caused an eruption that reduced the elevation of the mountain's summit from 2,950 m to 2,550 m, replacing it with a 1.6 km wide horseshoe-shaped crater. The Mount St. Helens National Volcanic Monument was created to preserve the volcano and allow for its aftermath to be studied.

On Thursday June 25<sup>th</sup> we will board a luxury motor coach at noon with box lunches and travel to Mt. St. Helens to survey natural and man-made changes to the landscape and ecosystem, guided by knowledgeable staff at the [Johnston Ridge Observatory](#). After the tour we will stop at a restaurant with great views of the countryside near Mt. St. Helens, where attendees may purchase dinner or snacks at their option. The bus will then return us to Portland by about 9:30 pm. Lunch, bus trip, and tour are included with conference registration. Dinner or snacks after the tour are to be paid for by attendees.





## TUESDAY AND WEDNESDAY EVENING EVENTS

### TUESDAY June 23<sup>rd</sup> - FIRST NIGHT RECEPTION AT NEL CENTRO/HOTEL MODERA (515 SW Clay St)

Be our guest and meet your colleagues for delicious appetizers and drinks on the beautiful patio at [Nel Centro](#), the restaurant adjoining the [Hotel Modera](#), a 3-minute walk from Portland State University.



### WEDNESDAY June 24<sup>th</sup> – ENJOY PORTLAND - AS YOU WISH!

A beautiful summer evening in Portland offers many options. We will provide you with guides to Portland’s famous food carts, brewpubs, and restaurants, and help make arrangements. Another option is a dinner cruise aboard the [Portland Spirit](#), which boards at 6:30 pm for a 2 and ½ hour cruise along Portland sights. We will be happy to help you make reservations; however attendees are responsible for buying dinner cruise tickets.

### SHOW-STOPPING VIEWS AND FANTASTIC CUISINE.



A vibrant setting enhanced by dazzling city sights and city lights. An evening filled to the brim with festive cuisine, locally sourced and prepared fresh on board, entertainment, and live performances. For a party of two to a small group of friends or co-workers, this is the ultimate Portland experience. **Book at (503)224-3900**

**Nightly year-round Boarding 6:30pm - Cruising 7:00pm-9:30pm**

**Adults \$68 - Children (4-12) \$65 (Prices do not include taxes, landing fees, and any other applicable charges)**

#### **Dinner Menu Example**

##### **Appetizers**

*Shrimp Cocktail - \$10*

*Sauteed Mushrooms - \$8*

##### **Entrées**

##### **Pappardelle Pasta**

*Served with asparagus, shiitake mushrooms and cherry tomatoes; tossed in a white wine and butter sauce.*

##### **Roasted Snake River Kobe Beef Shoulder Tender**

*Finished with Aus Jus*

*Served with roasted red potatoes and sauteed seasonal vegetables.*

##### **Baked Columbia River Steelhead Fillet**

*Stuffed with bay shrimp and ricotta cheese; finished with a lemon olive oil.*

*Served with rice pilaf and sauteed seasonal vegetables.*

##### **Panko Crusted Chicken Breast**

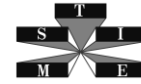
*Topped with a pesto cream sauce.*

*Served with rice pilaf and sauteed seasonal vegetables.*

**Dinner entrées served with House Salad, Fresh**

**Baked Bread, Coffee and Hot Tea. Dessert included;**

**upgrade to premium dessert available at additional charge**



## PORTLAND STATE UNIVERSITY

Portland State University's campus comprises 50 acres in the heart of one of America's most vibrant centers of culture, business and technology. Portland is known for its progressive attitude, lively food and music scenes, and endless recreational possibilities. The city's neighborhoods, shopping districts and natural areas are easily accessible via bike, bus, and rail.



The Mark O. Hatfield School of Government, recognized in the US News and World Report's Top 50 Public Affairs graduate programs in the US, is preparing the next generation of change agents in Criminology and Criminal Justice, Political Science, and Public Administration. The city serves as an extended campus where students put ideas into action, helping create a better, more sustainable world.

## THE NATIONAL DEMOLITION ASSOCIATION



The demolition industry is making way for a better world, helping communities re-invent and re-imagine their future and the National Demolition Association is here to provide support. The NDA offers its members information on the latest advances and training in safety and regulatory matters. We inform regulators about industry issues and increase public awareness of the economic and societal benefits of demolition. It is our mission to provide our members all the tools they need to be thoughtful leaders and passionate advocates for the demolition industry.

The demolition industry serves the greater community through:

### **Environmental Stewardship**

Recycling materials for reuse preserves the environment and makes economic sense. Safely removing toxic hazards protects the public and the environment.

### **Community Development**

Demolition removes dilapidated structures and creates greenspace making our cities safer and more livable. By renovating and restoring historical buildings, demolition firms make them beautiful and useful again and build pride in community.

### **Disaster Response**

When disasters occur, the Demolition Industry saves lives and strengthens the efforts of first responders. Disaster response is fundamental part of demolition that plays a key part in clean up, reconstruction, providing hope and a better future for citizens.

Learn more at [www.demolitionassociation.com](http://www.demolitionassociation.com)





## CONFERENCE VENUE

Our 2015 conference meetings and lunches will be held at the [Smith Memorial Student Union \(1825 SW Broadway St\)](#) at Portland State University, in downtown Portland, Oregon, just 20 minutes from the Portland International Airport (PDX). The meetings will be held within walking distance of hotels, exceptional restaurants, and beautiful parks, museums, performing arts, and other attractions.

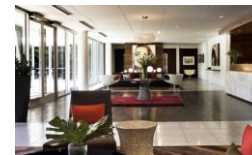
Portland weather during the conference will be sunny, with an average high temperature of 88°F/31°C and a low temperature of 61°F/16°C.

The area surrounding Portland offers outstanding attractions such as the Columbia River Gorge, the Willamette Valley wine region, the Oregon Pacific Coast, Mount St. Helens, and the Olympic Peninsula.

## ACCOMMODATIONS

Accommodations are to be arranged by attendees. Two hotels have offered special room rates for the conference:

- [The University Place Hotel](#), (310 SW Lincoln St) \$92/night plus tax (promotional code B1252, check out required by June 25), a six minute walk from the meeting site. Features outdoor heated pool, 24-hour fitness center, with all new equipment, hot breakfast, and high-speed internet.
- [Hotel Modera](#), (515 SW Clay St) 15% discount on best room rate (mention discount “PRO”), a three minute walk from the meeting site. “A stylish luxury boutique hotel in downtown Portland”; high-speed internet, 24-hour fitness.



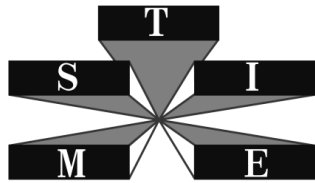
Rooms also available for \$99 plus tax at [Super 8 Portland Airport](#) (11011 NE Holman St.).

## TRAVEL

Portland International Airport ([PDX](#)) is 13 miles from our conference facilities. Transportation from the airport to the conference can be obtained through [public transportation](#) (MAX Red Line, change to MX Yellow line or Green Line train at the Rose Quarter MAX station, go to last stop, PSU, \$2.50/45 min); [Blue Star Shuttle](#) (\$14 one-way, \$24 round trip/30 min); or taxi (\$40/25 min).



## THE INTERNATIONAL EMERGENCY MANAGEMENT SOCIETY



[TIEMS](#) was established in 1993 in Washington DC and provides a platform for all stakeholders within the global emergency and disaster management community to meet, network and learn about best practices as well as new technical and operational methodologies. In 2014, TIEMS sponsored 13 conferences and workshops worldwide, attended by members from more than 30 countries. The TIEMS USA local chapter was established at our July 2014 conference at University of Southern Mississippi, which was attended by representatives from ten countries.

### The Board of Directors for TIEMS USA is:

- President: **Kay Goss**, CEM, President, World Disaster Management, LLC
- Vice President: **Brent Woodworth**, CEO City of Los Angeles Emergency Preparedness Foundation
- Secretary: **Connie White**, Ph.D., Assistant Professor in Information Technology, USM
- Treasurer: **Thomas V. Robertson**, Ph.D., Principal, Thinking Teams
- Director of Community Outreach: **Alyssa Carrier**, Acclivity Associates
- **James C. Hagen**, Ph.D., MBA, MPH, Professor and Program Director, Saint Xavier University
- **Mike Martinet**, Principal, The Martinet Group
- **Joseph Pollack**, Crisis Training AS
- **Tom Stahr**, Senior Consultant, Environmental Resources Management.

### TIEMS MEMBER BENEFITS

As a member of TIEMS, you are part of an international community of leaders and practitioners in emergency management, with diverse backgrounds in engineering, science, government, academics, military, and industry - working together to make the world a safer place. Membership affords unique opportunities to **Learn, Serve, and Network**.

**Learn** - *From the multi-disciplinary, multi-national TIEMS community, and through special TIEMS programs*

- Tap the experience, wisdom, and perspective of the global emergency management community, better preparing you for your work and potential collaborations
- Better understand technologies, regulations, organizations, and industries that are important to your work through the TIEMS multidisciplinary network
- Access the TIEMS International Education and Training Programs in Emergency and Disaster Management
- Obtain the TIEMS QIEMD Certification in International Emergency and Disaster Management
- Access the TIEMS electronic library with all papers from TIEMS conferences from 1994 to present
- Benefit from the TIEMS Student Support Program
- Receive preferential rates for TIEMS conferences and workshops worldwide, and for professional emergency and disaster management journals.



***Serve - By helping TIEMS in its mission to reduce the impacts of disasters and emergencies worldwide***

- Engage in a discussion of global issues and solutions, and exchange of knowledge, at TIEMS international conferences and workshops
- Participate as a member of TIEMS Task Force Groups
- Become part of the TIEMS Pool of International Experts
- Participate in a TIEMS Research, Technology, and Development projects
- Become an elected TIEMS Director or appointed TIEMS Officer in TIEMS International or in TIEMS Chapters.

***Network - With local and international colleagues to develop valued personal and professional relationships, and enhanced opportunities***

- Get better acquainted with the people and organizations concerned with emergency management in your local area from academia, government, and industry
- Be welcomed into an international community with common purpose, recognizing our interconnectedness and shared destiny as a global community
- Gain multi-cultural appreciation by making friends with and learning directly from people from all over the world
- Develop a network of professional colleagues that will open new opportunities for fulfilling work and collaboration.

***For more information on becoming a USA Chapter Member, please visit <http://tiems.info/About-TIEMS/membership-pro.html> , or contact Tom Robertson, or any Board Member for more information. You are welcome and invited to join us!***



# UNIVERSITY DISTRICT MAP



## MAP TO DINNER CRUISE

6/21/2015

Smith Memorial Student Union, Portland, OR to Salmon Street Springs - Google Maps

