

Innovation and Urban Planning for Emergency Resilience in Large Cities

September 13 to 15, 2016 San Diego, California, USA

In an increasingly interdependent world, coordination between local, state, national, and international agencies and the ability to leverage innovative technology have become critical to the success of today's emergency management strategies. This conference will explore best practices and emerging technologies to facilitate coordination of resources, as well as urban planning strategies to build resilient communities.

Topics include:

- Cross-Border and Inter-Agency Coordination
- Cyber Security
- Coastal Risk Management
- Urban Planning and Crime Prevention Through Environmental Design
- Emergency Management Education
- New and Applied Technologies

Presentations from US and international leaders will provide unique insights on these important topics, and interactive sessions will create an exceptional opportunity to discuss local and international perspectives. Please join us and add your ideas to the discussion. Learn, network, and enjoy beautiful San Diego!





Conference Sponsors









On behalf of the citizens of San Diego, I would like to welcome you to The International Emergency Management Society 2016 Annual Conference.

San Diego has worked diligently at fostering communication, collaboration and sharing best practices among our countless professionals in the fields of healthcare, public health, emergency medical services and emergency management. As we are often reminded, ensuring disaster readiness and building healthier, safer and more resilient communities must be a top national priority. San Diego is a shining example to the nation in the field of emergency preparedness, drawing on our thriving defense industry, expertise in innovation, and cross-border collaboration.

San Diego is known for its world-class restaurants, beautiful beaches and thriving neighborhoods. While visiting, I hope that you have the opportunity to experience some of the attractions that America's Finest City has to offer.

Please accept my warmest wishes for an enjoyable event in San Diego.

Best personal regards, Kevin L. Faulconer Mayor



Conference Venues



Meeting Room and Tuesday Eve Reception

9th Floor Shiley Special Events Suite San Diego Central Library 330 Park Blvd, San Diego, CA 92101



Wednesday Night Gala Dinner

(ticket required - business casual attire)

Tom Ham's Lighthouse 2150 Harbor Island Drive, San Diego, CA 92101



Thursday Tour (bus provided)

San Diego State University VizCenter Canyon Crest Dr. and College Ave., San Diego, CA 92182

Schedule at-a-glance

Tuesday Sep. 13			Wednesday Sep. 14			Thursday Sep. 15		
Time	Event	Location	Time	Event	Location	Time	Event	Location
0800	On-Site Registration	Shiley*	0830	AM Session	Shiley	0830	AM Session	Shiley
0900	AM Session	Shiley	1130	TIEMS AGM	Shiley	1200	Lunch	Shiley
1230	Lunch	Shiley	1230	Lunch	Shiley	1300	Board bus	Central Library
1330	PM Session	Shiley	1330	PM Session	Shiley	1330	Tour	VizCenter
1700	Break		1700	Break		1600	Board bus	VizCenter
1800	Reception	Shiley	1830	Dinner	Tom Ham's	1630	Leave bus	Central Library

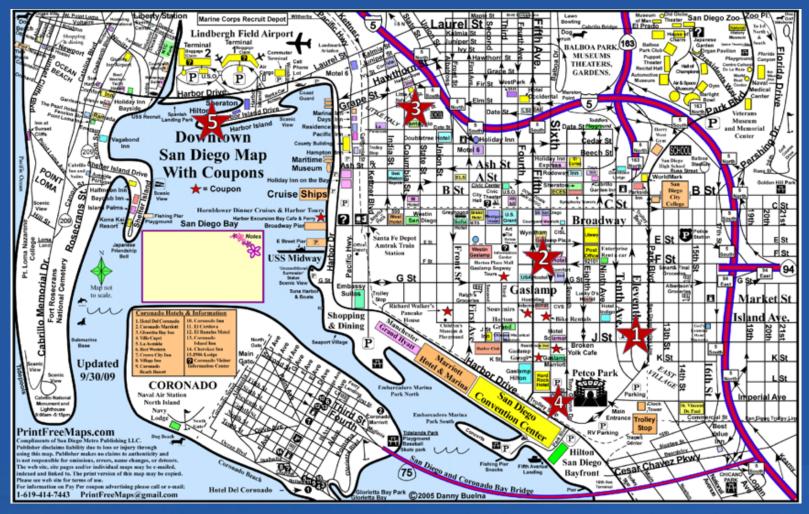
^{*} Shiley Special Events Suite, 9th Floor, Central Library







Reference Map



- 1. Central Library (12th and K St) Meeting Room and Tuesday Reception
- 2. Ramada Gaslamp Hotel (6th and E St)
- 3. Porta Vista Hotel (State and Fir St)
- 4. Omni Hotel (7th and L St)
- 5. Tom Ham's Lighthouse Wednesday Dinner









Program Tuesday September 13th

0800 - 0900 On-Site Registration

0900-0915 Introduction

0915-10:00 K.Harald Drager, TIEMS President (Norway) TIEMS Worldwide Operations and Activities Toward More Resilient Societies

1000-10:45 John Valencia, Executive Director, City of San Diego Office of Homeland Security (USA), *Internalizing and Integrating Cybersecurity Approaches*

10:45-11:00 Break

11:00-11:45 Nathaniel Forbes, Director, Forbes Calamity Prevention (Singapore), Food and Disasters: The Impact of Hunger

11:45-12:30 Kay Goss, CEO World Disaster Management (USA), *The Profound Impact of International Collaboration: Models and Standards*

1230-1330 Lunch

1330-1415 Dr. Josef Leitmann, Global Facility for Disaster Reduction and Recovery, World Bank (USA), *Investing in Urban Resilience: Making Cities and the Urban Poor More Resilient* 1415-1500 Dr. George M. Karagiannis, Technical University of Crete (Greece), *Emergency Management Aspects of the European Migration Crisis*

1500-1515 Break

1515- 1600 Dr. Guosheng Qu, Professor and Deputy Director of S&T Committee of the National Earthquake Response Support Service (NERSS) (China), *USAR/CERT Capacity Building for Emergency Resilience for Disasters in Large Cities*

1600-1700 Matt Campbell, National Coordinator, Community Planning and Capacity Building Support Function, FEMA Field Operations Directorate (USA), *Emergency Management and Urban Planning*

1800 Evening Reception, Central Library Terrace





Program Wednesday September 14th

0830-0915 Carl Taylor, Executive Director, XCH (USA), What They Never Teach You about Preparing for Disaster

0915-1000 Peiguo Yang and Yi Li, National Disaster Reduction Center (China), An Urban Vulnerability Study Based on Historical Flood Data: A Case Study

1000-1130 Martin Masiuk, Founder and Publisher, Domestic Preparedness Journal (USA), *Special Panel:* What is the New Normal? Evolving Management Challenges

1130 - 1230 TIEMS Annual General Meeting

1230 - 1330 Lunch

1330-1500 Gerry McCusker, Engage ORM, *Special Workshop: Crisis Communication Simulation Exercise*

1500-1515 Break

1515-1600 Dr. Murray Turoff, New Jersey Institute of Technology (USA), *Views of Emergency Managers on EM Education*

1600-1700 Chief Eric McBride and Brent Woodworth, San Bernardino Police Department and L.A. Emergency Preparedness Foundation, *The San Bernardino Terrorist Incident*

1830 - Gala Dinner at Tom Ham's Lighthouse





Program Thursday September 15th

0830-0900 Mark L. Benthein, Southern California Earthquake Center, Los Angeles (USA), Great ShakeOut Earthquake Drills: Awareness to Action!

0900-0930 Xuanye Li, Longyan Haidexin Automobile Co., Ltd (China), *Total Systematic Field Solution for Emergency Cases*

0930-1000 Kevin Miller, California Governor's Office (USA), The FASTER Approach: A New Tool for Calculating Real-Time Tsunami Flood Hazards

1000-1030 Jaroslav Pejcoch, T-Soft (Czech Republic), Stress Test Not Only for Banks and Nuclear PowerPlants

1030 - 1200 Special GENERATE Workshop

Meeting international needs for training and certification in Emergency Management through eLearning and on-line Communities of Practice

1200-1300 Lunch

1300 - 1630 Tour of the San Diego State University Visualization Center





Speaker Highlights



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 Oceana. Mr. Drager will provide us a global perspective on "TIEMS Worldwide Operations and Activities Toward More Resilient Societies"



Kay Goss (USA), Founding president and CEO of World Disaster Management

Ms. Goss is the Former Associate FEMA Director in charge of national preparedness, training, and exercises for President Bill Clinton. Ms. Goss is also a Fellow at the National Academy of Public Administration and President of the TIEMS USA Board. Her topic will be "The Profound Impact of International Collaboration: Models and Standards"



Eric McBride (USA), Assistant Chief, San Bernardino Police Department

Chief McBride began his career with the San Bernardino Police Department in 1991, serving in a variety of assignments including SWAT team leaders, Narcotics, the Gang Unit, and Internal Affairs. During the terror attack in San Bernardino on December 2, 2015, he served as the deputy incident commander.



Brent H. Woodworth (USA). President and CEO, Los Angeles Emergency Preparedness Foundation

Mr. Woodworth is founder and manger of the international Crisis Response Team; Chairman Emeritus Sahana Software Foundation; Worldwide Segment Manager for the IBM Crisis Response Team

Chief McBride and Mr. Woodworth wiil present their perspectives on the San Bernardino shootings, and answer questions from the audience.



Guosheng Qu (China), Professor and Deputy Director of S&T Committee of the National Earthquake Response Support Service

Dr. Qu has published more than 100 papers in earth science, earthquake risk analysis, and emergency response, and he will provide a seasoned perspective on "USAR/CERT Capacity Building for Emergency Resilience for Disaster Response"





Speaker Highlights



Mark L. Benthien (USA), Southern California Earthquake

Center, Los Angeles Mr. Benthien is Director for Communication, Education, and Outreach for the Southern California Earthquake Center, headquartered and University of Southern California. He will speak to us on "Great ShakeOut EarthQuake Drills: Awareness to Action!"



Murray Turoff (USA), Distinguished Professor Emeritus, New Jersey Institute of Technology

Dr. Turoff is the designer of the Emergency Management Information System and Reference Index (EMISARI) and co-founder of Information Systems for Crisis Response and Management (ISCRAM). He will present results of a study on views of emergency managers on emergency management education.



George M. Karagiannis (Greece), Research Scientist, Technical University of Crete

Dr. Karagiannis's interdisciplinary research lies at the intersection of disaster resilience and infrastructure sustainability. His presentation will discuss the emergency management aspects of the current European migration crisis, and how support functions are complicated by international politics, security and legal concerns, as well as Greece's sovereign debt crisis.



Carl Taylor (USA), Executive Director XCH, LLC, Sr. VP Risk, Unified Physician Management, Executive Director, Fraser Institute for Health and Risk Analytics.

Mr. Taylor, a renown and dynamic speaker, will present "What They Never Teach You In Preparing for Disasters".



Josef Leitmann (USA), Lead Disaster Risk Management Specialist, The World Bank

Dr. Leitmann will draw on his experience leading teams on Resilient Recovery and Urban Resilience at the Global facility for Disaster Reduction and Recovery to speak to us on "Investing in Urban Resilience: Making Cities and the Urban Poor More Resilient"





Special Pre-Conference Workshop

Don't 'Present'. Persuade!

Presentation Workshop for Emergency Managers

Monday 12th September 0900 - 1630

Nathaniel Forbes, Director of Forbes Calamity Prevention based in Singapore, is a renowned trainer and consultant to multinational companies in business continuity management, emergency management, and crisis management

The most important interpersonal skill an emergency manager can have is the ability to Persuade! To persuade citizens to prepare. To persuade elected officials to fund a program. To persuade communities to mitigate potential hazards. To persuade your peers – in an emergency, in a classroom or at a conference.

Nathaniel's pre-conference workshop shows you how to do that in your presentations, through the use of stories, emotional connection, and pictures.

Bring your laptop (strongly encouraged!) and any presentation you want to improve (entirely optional).

Testimonials from past participants:

- "Nat provided Pro Tips and tactics to achieve my objectives in emergency management preparedness for municipal leaders."
- "Time well spent. Great class!"
- "How powerful to take storytelling best practices and apply them to technical & professional presentations."

For more information: http://bit.ly/persuade12sep



Register for this special workshop at a special TIEMS rate at:

http://www.calamityprevention.com/trainingforms/ Persuade/index-12sept16.php





Special Panel What Is The New Normal? EVOLVING MANAGEMENT CHALLENGES Wednesday 14 September 1000 - 1130

Moderator: Martin Masiuk Founder and Publisher, DomPrep Journal



Objective: It's about the threat: active shooter — violent extremists — radicalization through social media — vulnerability of cyber-digital tools — chemical — biological — radiological — nuclear — high-yield explosives — infectious disease, etc., etc. etc. This highly participatory discussion will address the growing list of threats, what they mean, and suggested solutions. Content created will be edited, vetted, and published by DomPrep as a Case Study.

Agenda:

- * Panel introduction
- * Defining The New Normal
- * What does this mean to institutions?
- * How not to admire the problem, but solve it?

Topics For Discussion: This panel will discuss clear and present emergency management and public safety challenges including:

- Defining risk management in today's environment
- Specifics on how funding shortfalls directly affect management of mass casualty incidents?
- Understanding cyber and digital vulnerabilities
- How interdependencies help and hurt resilience
- Consequence of failure





Special Workshop Crisis Communications Simulation Exercise Wednesday 14 September 1330 - 1500

Moderator: Gerry McCusker Founder and Principal Advisor, Engage ORM, Australia

Gerry is an expert in online and social media, and a sought-after presenter at conferences and events in Australia, Asia-Pacific, and the USA

"Gerry's unique, masterfully crafted presentation style, combined with a natural ability to articulate relatable issues and provide relevant and thought provoking solutions, ensures he consistently rates as one of the top speakers, by client feedback, at our events."



Join us for a stimulating real-time emergency simulation, in which you'll be challenged to work through your Crisis Communications response strategy. You're all the same team (but, for competition, you'll challenge each others ideas).

You will consider key tactics and messages to help manage public information and safety, manage communications to all stakeholders (including on social media) AND at all times safeguard all agency and city reputations.

And, you will learn Engage ORM's 4M Model, a helpful and effective framework you can use when you develop your next Crisis Communications response strategy!





Special Tour: San Diego State University Visualization Center



The Viz Center is a physical space but one that largely represents relationships between people and organizations collectively attempting to positively impact the worlds of Humanitarian Assistance Disaster Relief, Community Resilience, Search and Rescue, and aid to operational Emergency Responders and Homeland Security. The Viz Center specializes in organizing and delivering geospatial data (dots on maps) over small networks (terabytes to the handheld) for emergency response and disasters. By linking emerging technologies, innovative back-end processing, and operational needs especially for disasters, the Viz Center community is attempting to assist our community, region, nation, and world in responding to difficult situations with critical information, knowledge, and decision-support tools.

Special Student Scholarship

TIEMS Rohrmann Student Scholarship Fund was initiated by <u>Bernd Rohrmann</u>, who donated the basic funds for TIEMS to be able to support graduate students to participate in TIEMS annual conferences. This Fund will financially support two students each year, and students are encouraged to submit their paper proposals and applications for financial support by filling in the application form according to the <u>Rules and Procedures</u> for the Fund. Students need to fill out the <u>Application Form</u> and send as instructed at the end of the form.





About TIEMS

TIEMS (website) is a Global Forum for Education, Training, Certification and Policy in Emergency and Disaster Management. TIEMS is dedicated to developing and bringing the benefits of modern emergency management tools, techniques and good industry practices to society for a safer world. This is accomplished through the exchange of information, methodology innovations and new technologies, to improve society's ability to avoid, mitigate, respond to, and recover from natural and man-made disasters.

TIEMS provides a platform for all stakeholders within the global emergency and disaster management ommunity to meet, network and learn about new technical and operational methodologies. It also aims to exchange experience on good industry practices. This will influence policy makers worldwide to improve global cooperation and to establish global standards within emergency and disaster management

To learn more about TIEMS activities and membership, please visit www.tiems.info



Global Educational Network for Emergency Resilience and Training Excellence (GENERATE)

A special session Thursday afternoon at the conference will present plans and progress and solicit feedback for GENERATE, a TIEMS initiative to create a network of participating organizations and an online resource to improve access to the world's collective knowledge and experience in emergency management (http://tiems.info/). The key outputs of the GENERATE program include

- An eLearning and Certification platform that will foster, across the international community, a shared, common understanding of emergency management elements, standards, and terminology
- The Qualification in International Emergency and Disaster Management (QIEDM) certification program
- A directory of educational resources, described within a common framework, including live and online degree programs, courses, workshops, and knowledge bases
- An online portal that will make emergency management educational resources, from established educational institutions and initiatives, broadly available to students worldwide. The core of these educational resources will be developed and provided by a network of GENERATE Centres of Excellence
- An online Communities of Practice network to allow sharing of lessons learned, experiences, and specialized knowledge throughout the global community.









Conference Venue

Join us in America's Finest City - San Diego, California at the city's new Central Library @ Joan Λ Irwin Jacobs Common. At nearly 500,000 square feet and standing ninestories high, the San Diego Central Library boasts the latest technology, an outdoor garden and courtyard café, an art gallery, and views of the San Diego Bay, Petco Park, and the San Ysidro Border Crossing—the busiest land-border crossing in the world.



TIEMS Annual Conference Dinner

Wednesday evening will be our gala dinner, featuring great local cuisine, beautiful views of San Diego Harbor, music and dancing, and an informal opportunity to get to know your international colleagues. Ticket purchase required. Please register at http://tiems.info/!

San Diego offers many opportunities for an enjoyable visit, including Balboa Park, SeaWorld® San Diego, Legoland® California, historic Old Town San Diego, the Gaslamp District, and beautiful beaches.

Travel

Lindbergh Field at the San Diego International Airport (SAN) is 5.3 miles from the conference facility. Transportation from the airport to the conference can be obtained the public transport tation, taxi, or Uber.

Non-US persons may need to apply for a visa to attend the conference. If you need a visa, you will need to obtain one from the US Embassy Consular Section in your country. We recommend you start the process right away, as it can take several months. For information on how to obtain a visa, please visit waysy travel state gov.



Conference Hotels



Porto Vista Hotel

Tucked in the heart of Little Italy, the Porto Vista Hotel's special TIEMS rate of \$125 plus tax includes airport shuttle, shuttle service between hotel and conference (7 minute ride), hot buffet breakfast, and free WiFi. http://www.portovistasd.com/



Ramada Gaslamp / Convention Center

Built in 1913, this historic establishment combines an ambiance of yesteryear with the convenience of 21st century amenities and services. Located in San Diego's entertainment district, the Gaslamp Quarter, the hotel is a 15 minute walk from the conference venue.

https://www.wyndhamhotels.com/ramada/san-diego-california/ramada-gaslamp-convention-center/overview



Omni San Diego Hotel

The Omni San Diego is a four-diamond luxury hotel that offers contemporary accommodations and impeccable service. The hotel is a 9-minute walk from the conference venue.

https://www.omnihotels.com/hotels/san-diego/meetings/tiems-the-international-emergency-management-society



Conference and Dinner Registration: http://tiems.info/ Please register by asap, even if you plan to pay at the conference, to give us a headcount!

Conference registration includes:

- One-year TIEMS membership (not included in single day passes)
- Conference program and online access to abstracts, presentation materials, and full papers
- Attendance at all sessions including VizCenter tour
- First Night Reception (\$25 charge for single day pass holders and non-registered guests)
- Coffee breaks and lunch.

Time of Payment	Confere Reg		Conference fee Student		
	Non TIEMS Members	TIEMS Members	Non TIEMS Members	TIEMS Members	
Advanced Registration for Conference	450US\$	350US\$	250US\$	220US\$	
Conference Registration at Event	500US\$	400US\$	250US\$	220US\$	
Conference Dinner Wednesday September 14	50US\$	50US\$	50US\$	50US\$	
Single Day Conference Registration	220US\$	180US\$	140US\$	120US\$	

Sponsorship packages available - contact thinkingteams @gmail.com







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





HARMONY

Founded in 2002 Beijing Harmony Technologies Co., Ltd is a member of Expert Group for the Emergency Management Office (EMO of the State Council of China and the Beijing municipal government. The company focuses on the Emergency and Disaster Management project planning and development, as well as the implementation and services in 3D simulation emergency training and drifts safety production monitoring and early-warning systems using Internet of Things (IOT) technology for the emergency sector, facial recognition, and big data analysis. Harmony Tech has successfully provided services of 160 emergency platforms for Chinese governments at all levels in provinces cities as well as districts and counties. It has also participated in the formulation and planning of 15 national and provincial level emergency standards for China central and local EMOs. Up to now, the company has launched 37 independent emergency software products and obtained six patents in the emergency service field. All these have made it a leader in the emergency industry in China.



Company Advantage

Take Part in Formulation of Standards

Set evaluation indexes for "Smart Emergency Management" in smart citie construction in China and take part in the top-level design of national standards in EMDR (Emergency Management and Disaster Reduction)

Setting up the Emergency think tank comprising 100 experts worldwide in Beijing, China

Qualifications and Honors

Top 100 Innovation-Driven Pilot Enterprises at the Zhongguancun Science Park, etc, Computer System Integration Qualification, , Software Capability Maturity Model Integration Certificate L3 (CMMI L3), ISO9001: 2008, etc, Major New Products for China's Ministry of Science and Technology, National Core Electronic Devices, High- end Universal Chips and Basic Software.



Typical products and applications

Big Data Analysis

Mainly applied to the data analysis for EMDR (Emergency Management and Disaster Reduction) services by the IOT application.





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Typical products and applications

Monitoring and Warning Systems Using IOT Technology

Consisting of front-end sensor systems, channels of data transmission, data centers in the IOT sector, and application systems for monitoring and warning

Mat ure technological advant age, sys tem integration advantage, and price advantage in safety production surveillance and supervision system using IOT technology



3D Simulation Emergency Training and Drills

Harmony Technologies possesses technological advantages due to its research on 3D engine, 3D editor, and simulation drilling platforms



Enjoying a broader business scope after technological breakthroughs made by cooperating with European partners

