

# **2019 National Hurricane Conference Program**

**The Nation's Forum for Education and Professional Training in Hurricane and  
Disaster Preparedness**

**April 22-25, 2019**

**National Hurricane Conference**

**Hilton New Orleans Riverside**

**New Orleans, LA**

**[www.HurricaneMeeting.com](http://www.HurricaneMeeting.com)**

**Save The Date for the 2020 National Hurricane Conference**

**April 6-9, 2020**

**Rosen Centre, Orlando, FL**

**Response Training**

**"The Emergency Management Assistance Compact: The Process of EMAC"**

**Monday, April 22, 2019**

**Time: 8:30 am to 12:00 pm**

**Location: Commerce**

The Emergency Management Assistance Compact (EMAC), established in 1996 stands today as the corner stone of mutual aid. The EMAC aid agreement and partnership between member states exist because all states share a common enemy: the threat of disaster. EMAC is the first national disaster relief compact since the Civil Defense and Disaster Compact of 1950 to be ratified by Congress. All 50 states, District of Columbia, Puerto Rico, Guam and the U.S. Virgin Island have enacted legislation to become EMAC members. The strength of EMAC, and the quality that distinguishes it from other plans and compacts, lies in its ability to move any resource from state to state, including medical resources. During hurricanes, access to essential resources, enable local government to manage emergencies more effectively. This training will focus on the 5 phase EMAC process, Pre-Event Preparation, Activation, Request & Offer, Response and Reimbursement, which enables local government to request and provide assistance through EMAC more effectively. This session will also clarify specific actions taken by local government within each phase as well as the concept of Mission Ready Packaging, part of pre-event preparation: and whose use will greatly facilitate identifying, mobilizing and deploying city, county and state resources for both intrastate and interstate. This session will conclude with an overview of initiating the reimbursement phase with resource providers, assisting state and deployed personnel.

Instructor:

**Leon Shaifer**, EMAC Senior Advisor, National Emergency Management Agency, Brandon, MS

**Recovery/Response Training**

**"Stronger Together: How Public/Private Partnerships have Shaped the Response and Recovery of St. John, USVI"**

**Monday, April 22, 2019**

**Time: 8:30 am to 10:00 am**

**Location: Marlborough B**

In September 2017, Hurricanes Irma and Maria cut a path of destruction through the Caribbean basin, impacting the lives of millions. The impact of these storms was especially devastating to the island of St. John, the smallest and least-populated of the three U.S. Virgin Islands. Cut off from major Federal and Territory recovery resources on the neighboring islands for days, and without an airport or airfield, the residents of St. John were initially left to fend for themselves. To fill critical gaps and address the specific needs of the island, a new form of disaster response and recovery emerged in the form of public/private partnerships between local grassroots organizations and private citizens; local government agencies and their employees; nonprofit emergency first responders; and the intervention of the private sector in the form of Bloomberg LP and country music star Kenny Chesney. Over a year later, this unique partnership has evolved into a long-term recovery plan for the

island, which now includes nonprofit agencies and Federal partners, and has propelled St. John's recovery further than many other communities throughout the Caribbean. As an organization created as a result of this partnership, Love City Strong, Inc., believes that the future of disaster response and recovery lies in engagement and leverage from everyday people, public agencies, and resources from the private sector, especially in rural or isolated areas. This workshop will tell the story of St. John and introduce the model of public and private partnership for other communities.

Moderator:

**Ryan West**, Foundation Administrator, Love City Strong, Inc., St. John, USVI

Speakers:

**Meaghan Enright**, Director, Love City Strong, Inc., St. John, USVI

**Ian Samuel**, Secunda Family Foundation, St. John, USVI

**Jarrold Bernstein**, Bloomberg LP, St. John, USVI

**Jeff Quinlan**, Operations Director, Love for Love City Foundation, St. John, USVI

### **Evacuation Planning Training**

**"Separating Fact from Fiction: What Emergency Managers and Meteorologists Need to Know about Public Behavior in Hurricanes"**

**Monday, April 22, 2019**

**Time: 8:30 am to 10:00 am**

**Location: St. James Ballroom**

Anecdotes abound about how and why people behave the way they do during hurricane threats, but many of them aren't accurate indications of how most people respond. Intuitive explanations of behavior are also often inaccurate. Two social scientists who have conducted decades of both academic and applied research on evacuation behavior in hurricanes will summarize the most relevant and well-established behavioral literature concerning what people do in hurricanes, why, how response might be influenced, and how to tell good data from bad. The emphasis will be on practical applications for the EM and meteorological communities.

Instructors:

**Jay Baker**, Professor Emeritus, Florida State University, Tallahassee, FL

**Mike Lindell**, Professor Emeritus, Texas A&M University, Seattle, WA

### **Fire-Rescue/Law Enforcement Workshop**

**"Law Enforcement Response to Catastrophic Hurricane Impacts"**

**Monday, April 22, 2019**

**Time: 8:30 am to 10:00 am**

**Location: Jackson**

Evacuation compliance; preliminary evacuation totals prior to the arrival of Hurricane Irma. Out of approximately 73,000 residents of Monroe County, not including non-residents/visitors, indicate approximately a 75 percent evacuation rate. Discussion regarding evacuation compliance and reentry.

Moderator:

**William Wagner, III**, Fire Chief (Retired), Islamorada, FL and Founder/CEO, Early Alert, Inc., Rome, GA

Speaker:

**Capt. Penny Phelps**, Monroe County Sheriff's Office, Key West, FL

### **Insurance Training**

#### **"Property Insurance for Smarties - How It Works and Ways to Save Money"**

**Monday, April 22, 2019**

**Time: 8:30 am to 10:00 am**

**Location: Canal**

Are you smarter than a fifth grader when it comes to insurance? You may have a general idea of what's covered in the event of a disaster, but you need to know for certain. This session offers tips on how to identify your coverage needs, as well as gaps that may need to be filled. Because insurance needs change and evolve with stages and situations, you need to know how and when to update your coverage to minimize your exposure to risk. Get smart about insurance by knowing things like whether your policy will pay for a hurricane deductible, if you have enough coverage to pay for rebuilding code costs if your home or business is in an historic district, or whether you are paying too much for insurance. Know what to expect before you have to file a claim. The last thing you want to worry about when a storm is approaching is your insurance. This session gives you the answers you need to be prepared.

Instructors:

**Scott Holeman**, Director of Media Relations, Insurance Information Institute, Kansas City, MO

**Warren Byrd**, Deputy Commissioner for Property & Casualty, Louisiana Dept. of Insurance, Baton Rouge, LA

**Charles Hansberry**, Asst. Deputy Commissioner for Property & Casualty, Louisiana Dept. of Insurance, Baton Rouge, LA

### **Recovery Training**

#### **"FEMA Public Assistance Process: An Overview"**

**Monday, April 22, 2019**

**Time: 8:30 am to 5:00 pm**

**Location: Magazine**

This course will familiarize students with the Public Assistance Program and the process Applicants follow to apply to receive grant funding assistance in the aftermath of a disaster. The topics addressed in this course include:

- The foundation of the PA Program
- The steps in the PA Process
- PA Program Eligibility
- Project Formulation and Documentation

The primary audience is State, tribal, and local level personnel who may be responsible for managing the Public Assistance grant application process and/or project management.

Instructor:

**Deborah Hayes**, PhD, CEM, Public Assistance Trainer, FEMA, Gallatin Gateway, MT

**Reservation Required**

**EMI L0202 Debris Management for State, Local and Tribal Officials**

**Monday, April 22, 2019 and Tuesday, April 23, 2019**

**Time: 8:30 am to 5:00 pm**

**Location: Marlborough A**

This **2-day** course provides an overview of issues and recommended actions to prepare for, respond to, and recover from a major debris-generating event (with emphasis on state and local responsibilities).

The course is intended for local, state and federal personnel who are responsible for planning and/or implementing debris removal and disposal.

Instructor:

**Christina Crouch**, Program Support Assistant, Emergency Management Institute, Emmitsburg, MD

**Reservation Required**

**EMI G0290 Basic Public Information Officer Training**

**Monday, April 22, 2019 and Tuesday, April 23, 2019**

**Time: 8:30 am to 5:00 pm**

**Location: Prince of Wales**

The emphasis of this **2-day** course is on the basic skills and knowledge needed for public safety, emergency management, and government/municipal public information activities. Topics include communication tools, strategic communications, social media, news release writing skills, public speaking, and conducting on-camera interviews and news conferences. This is an elective course in the Advanced Professional Series program.

The primary audience for this training is public information officers who are new to the field or less experienced, or established PIOs who want to update their training responsibilities as their main job or as an auxiliary function at the federal, state, local, tribal, or territorial level of government, and in the private and nongovernmental sectors.

Instructors:

**Phil Politano**, Training Specialist/Course Manager, Emergency Management Institute, Emmitsburg, MD

**Mike Jachles**, Public Information Officer, Orange County Fire Rescue, Winter Park, FL

**Brennan Mathern**, Public Information Officer, LaFourche Parish Sheriff's Office, Lockport, LA

**Mike Riechling**, Emergency Management Adjunct Trainer, Arizona Dept of Emergency Management, Flagstaff, AZ

### **Reservation Required**

### **EMI L0311 Hurricane Readiness for Coastal Communities**

**Monday, April 22, 2019**

**Time: 8:30 am to 5:00 pm**

**Location: Grand Salon A3-A6**

This 1-day course is an introduction to the National Hurricane Center's forecast procedures and products and the National Hurricane Program's tools for how to incorporate them into planning and response. Topics include hurricane hazards, hurricane forecast products, hurricane evacuation planning, and the hurricane evacuation decision process.

The course is intended for planners responsible for developing or revising hurricane operations plans and who have a role in operational decision making.

Instructors:

**Matthew Green**, Hurricane Liaison Team, FEMA, Miami, FL

**Tiffany Hersey**, Hurricane Liaison Team, FEMA, Miami, FL

**Robbie Berg**, Hurricane Specialist, National Hurricane Center, Miami, FL

**John Cangialosi**, Senior Hurricane Specialist, National Hurricane Center, Miami, FL

**Cody Fritz**, Storm Surge Specialist, Storm Surge Unit, National Hurricane Center, Miami, FL

**Chris Moore**, Hurricane Program Manager, FEMA Region II, New York, NY

### **Fire-Rescue/Law Enforcement Workshop**

### **"ESF 13: The Role of Federal Law Enforcement in Hurricane Response"**

**Monday, April 22, 2019**

**Time: 10:30 am to 12:00 pm**

**Location: Marlborough B**

This session will cover the organization of the Dept. of Justice/Bureau of ATF ESF 13 National Coordination Center and discuss the history and lessons learned by federal law enforcement responders during the 2017 and 2018 hurricane seasons. In 2017, over 3,000 federal law enforcement responders responded to Hurricanes Harvey, Irma, Maria and Nate. In 2018, nearly 900 federal law enforcement responders responded to Hurricanes Lane, Olivia, Florence and Michael.

Moderator:

**William Wagner, III**, Fire Chief (Retired), Islamorada, FL and Founder/CEO, Early Alert, Inc., Rome, GA

Speakers:

**James Rosebrock**, ESF 13 Operations Officer, DOJ/ATF, Washington, DC

**Michael Barry**, ESF 13 Field Coordinator, DOJ/ATF, Hanover, MA

**Frank Sharkey**, ESF 13 Logistics Officer, DOJ/ATF, Washington, DC

Phillip Doucet, ESF 13 Program Manager, DOJ/ATF, Washington, DC

### **Evacuation Planning Workshop**

#### **"The Emergence of New Technology - Crowdsourcing and Big Data Analysis in the World of Hurricane Evacuations"**

**Monday, March 22, 2019**

**Time: 10:30 am to 12:00 pm**

**Location: St. James Ballroom**

With the advancements of technology emergency managers, social scientists and your next door neighbor have access to a vast amount of information through crowdsourcing. While this can be an overwhelming amount of aggregate data to pore over for the average user, advanced data mining can quickly show us trends which upon analysis, may be the future of adding context to the complex art and science of better planning, preparation and response to major evacuations. Tech savvy enterprises have tapped into that data to aggregate, display and offer innovative new platforms for information during and after hurricane evacuations.

Moderators:

**Carla Quinn**, National Hurricane Program Manager, U.S. Army Corps of Engineers, Baltimore, MD

**Rebecca Moulton**, Meteorologist, FEMA Region IV, Atlanta, GA

Speakers:

#### **"Data Analytics"**

**Sean Griffin**, President & CSO, Disaster Intelligence, Inc., Washington, DC

#### **"Crowd Sourcing"**

**FEMA Speaker**

#### **"Real Time Evacuation Data"**

**Gary Carlin**, Director Business Development, INRIX, Inc., Kirkland, WA

### **Security Workshop**

#### **"Best Practices in Cybersecurity"**

**Monday, April 22, 2019**

**Time: 10:30 am to 12:00 pm**

**Location: Jackson**

Hurricane preparedness and mitigation efforts tend to focus on damage to physical infrastructure. Recently however, the threat of cyber incidents during and after hurricane events have become more prevalent. There are two potential concerns particularly related to hurricanes. First, high winds or flooding can cause damage to cyber infrastructure such as servers and storage facilities that are critical for supporting hurricane response. The second risk is that criminals will exploit the vulnerability of victims and the goodwill of responders through cyberattacks. The most common cyberattack in these circumstances are phishing attacks, in which criminals post as legitimate relief agencies as a way to steal information and gain access to secure networks. Presenters will address these areas and discuss the use of cloud-based computing services, strict network access protocols, securing and properly managing social media accounts, and a rigorous exercise and training program.

Moderator:

**Anthony Hurley**, Chair, NHC Utilities Topic Committee, Georgetown, TX

Speakers:

**Benjamin Yelin**, Senior Law & Policy Analyst, UM Center for Health and Homeland Security, Baltimore, MD

**Markus Rauschecker**, Cybersecurity Program Director at University of Maryland Center for Health and Homeland Security (CHHS)

### **Accessibility & Functional Needs Workshop**

#### **"EMAC and FAST - Assessing Functional Needs during Hurricane Florence"**

**Monday, April 22, 2019**

**Time: 10:30 am to 12:00 pm**

**Location: Canal**

Before Hurricane Florence made landfall, the North Carolina Emergency Management Disability Integration Specialist requested Functional Assessment Support Teams (FAST) through interstate mutual aid - Emergency Management Assistance Compact, as well as a disability integration specialist to provide oversight of the deployed FAST members. The FAST were deployed to the state-run general population shelters after landfall to assess evacuees for access and functional needs. We will share the experiences and lessons learned from this first-of-its-kind deployment.

Moderator:

**Elizabeth A. Davis**, Executive Director, EAD & Associates, LLC, Brooklyn, NY

Speakers:

**Sheri Badger**, Disability Integration Specialist, North Carolina Emergency Management, Raleigh, NC

**Nicole Johnson**, Planning, Mitigation, Recovery Supervisor, Pierce County Emergency Management, Tacoma, WA

**CONCURRENT SESSIONS      Monday, April 22, 2019      1:30 pm to 5:00 pm**

### **Healthcare/Emergency Management Workshop**

#### **"The ABC's of Building Cross-Functional Teams: When Change Happens in Emergency Management"**

**Monday, April 22, 2019**

**Time: 1:30 pm to 5:00 pm**

**Location: Commerce**

On September 10, 2017 Hurricane Irma made landfall as a Category 4 hurricane. As a result of the damages that extended throughout the state of Florida, approximately 15 million lost power. Among those losing power were Assisted Living Facilities and Nursing Homes. As the temperatures rose in the post-Hurricane Irma days, eight (8) patients in one facility in Broward County died from heat



related illnesses, ultimately 14 patients succumbed to heat related illness.

On September 16, 2017, Governor Rick Scott directed the Florida Agency for Health Care Administration and the Florida Department of Elder Affairs to issue Emergency Rules requiring 3,764 Assisted Living and Nursing Homes Facilities to acquire a generator and 96-hours of fuel within 60-days to keep the ambient air temperature at or below 81 degrees in the facilities.

What level of coordination and collaboration does it take to implement impactful as the result of emergency legal requirements in the aftermath of a devastating hurricane, in between two other catastrophic hurricanes that are consuming available resources? Where do you start? In this training session learn what it takes to build engaged, cross-functional teams and work towards solutions, regardless of the type of challenge. This training will also provide an opportunity to hear from the cross-functional team involved in implementing a Statewide Generator Requirement for ALFs & Nursing Homes post-Hurricane Irma in Florida.

Moderator:

**Celeste Fournier**, Emergency Management Coordinator, Lee County Emergency Management, FEPA Healthcare Working Group Chair, Fort Myers, FL

Speakers:

**Eve Rainey**, Executive Director, FL Emergency Preparedness Association, Tallahassee, FL

**Jennifer Nagy**, Emergency Management Director, Wakulla County Sheriff's Office, Emergency Management Division, Crawfordville, FL

**Kimberly Smoak**, Chief, Bureau of Field Operations, Agency for Health Care Administration, Tallahassee, FL

### **Reservation Required**

#### **Introduction to Web-Based HURREVAC**

**Monday, March 22, 2019**

**Time: 1:30 am to 5:00 pm**

**Location: Marlborough B**

The National Hurricane Program is transitioning to a web-based version of the HURREVAC decision support tool for government emergency managers. The new web-based version is scheduled to become fully operational during the 2018 hurricane season.

The  $\frac{1}{2}$ -day Introduction to Web-Based HURREVAC session will provide information on the development process and the advantages of the web-based version, discuss features and functionality new to the web version, provide a demonstration of the user interface, go through an interactive user tutorial, and discuss the schedule and process for transition from the desktop software to the web-based version. Participants will receive a log-in to access the beta version that will be available for use prior to the release of the operational version. Each student will need to bring a laptop and have access to a WiFi sources to ensure internet connectivity, which is required to access the web-based version of HURREVAC. The laptop must also have an internet browser installed.

All HURREVAC classes are intended for Government Emergency Managers.

Instructor:

**Donald E. Cresitello**, Senior Coastal Planner, US Army Corps of Engineers - North Atlantic Division, Brooklyn, NY

### **Response Training**

#### **"Community Lifelines Construct"**

**Monday, April 22, 2019**

**Time: 1:30 pm to 3:00 pm**

**Location: St. James Ballroom**

The National Response Framework is scheduled to be updated in 2019, and will include emphasis on the Community Lifelines Construct (Lifelines). The goal of the Lifelines is to improve the way the Nation assesses the stabilization of disaster impacts and enables the continuous operation of critical functions that are essential to human health and safety or economic security. By providing this lens to characterize incidents, we can better identify the root causes, interdependencies, and complexities of critical issues and distinguish the highest operational priorities. As a result, this approach better ensures the identification and delivery of the most effective and efficient solutions for locally executed, state managed, and federally supported response operations.

Instructor:

**Peter Danjczek**, Acting Director, Office of Policy and Performance, FEMA - Response Directorate, Washington, DC

### **Hurricane History Workshop**

#### **"Historical Hurricanes - Understanding the Past to Better Prepare for the Future"**

**Monday, April 22, 2019**

**Time: 1:30 pm to 3:00 pm**

**Location: Jackson**

Knowing Your Local Hurricane Impact History to Improve Mitigation, Preparedness, & Response Decisions. This Session will provide an understanding of how historic hurricane information is maintained (and sometimes revised) and how to access your hurricane history. Appreciating your own local hurricane impact history will greatly help in grasping your threat from the tropics that can become very real, and as a decision maker, you must be prepared beforehand. Attendees will be able to understand after taking this workshop: a) What is the Atlantic hurricane database (HURDAT), how is it maintained, and who updates it? b) What are the uses of HURDAT? c) Why is a re-analysis of the database needed? d) Are there real trends in either the number or intensity of hurricanes in the database? and e) What tools can I access to obtain historical hurricane data for my state/county/city?

Moderator:

**Chris Landsea**, Chief, Tropical Analysis Forecast Branch, National Hurricane Center, Miami, FL

Speakers:

**"The Atlantic Hurricane Database - What is a "Best Track" and How is it Determined?"**

**John Cangialosi**, Senior Hurricane Specialist, National Hurricane Center, Miami, FL

**"A Re-analysis of the Atlantic Hurricane Database - Why Should We Care About Old Storms?"**

**John Beven**, Senior Hurricane Specialist, National Hurricane Center, Miami, FL

**"Historical Hurricane Tracks Tool - How do I Access Historic Hurricane Info for my Area"**

**Matt Pendleton**, Lynker/CSS Team, Office for Coastal Management, Charleston, SC

**"Big Trends in Hurricanes - Real (Global Warming) or Artificial (Better Measurements)?"**

**Chris Landsea**, Chief, Tropical Analysis Forecast Branch, National Hurricane Center, Miami, FL

### **Mitigation Workshop**

**"Louisiana Watershed Initiative: Implementing Science Driven, Statewide Resilient Mitigation Measures"**

**Monday, April 22, 2019**

**Time: 1:30 pm to 3:00 pm**

**Location: Canal**

In 2016, Louisiana experienced two historic rain events that impacted more than 145,000 homes across the state and caused more than \$10 billion in damage with recovery efforts that remain ongoing more than two years later. These events exposed key weaknesses in Louisiana's approach to floodplain management, project development, and community planning across all levels of government. Areas that were once considered to have low flood risks were devastated in 2016. In late 2017, the state embarked on Phase I of what later became the Louisiana Watershed Initiative to explore how to move from planning, policy, and project implementation based on jurisdictional boundaries to a watershed-based approach. The Council on Watershed Management is a coalition of five state agencies and is embarking on an unprecedented level of coordination to address data needs, including statewide modeling, fund source leveraging and streamlining, capacity and capability building, standards and policy evaluation and development, planning and coordination, and engagement needs. By leveraging subject matter experts, as well as state, federal, national, local, regional, private, nonprofit stakeholder feedback, the state is maximizing implementation of technical, policy, and funding best practices. Hear lessons learned 18 months into the process, where we've been, and where we're going, as well as how we are using science and technology to guide decision making.

Moderator:

**Alexandra Carter**, Resilience Planning Manager, Disaster Recovery Unity, Louisiana Office of Community Development, New Orleans, LA

Speakers:

**Patrick W. Forbes**, Executive Director, Louisiana Office of Community Development, Baton Rouge, LA

**James Waskom**, Director, Louisiana Governor's Office of Homeland Security Emergency Preparedness, Baton Rouge, LA

**Sam Martin, PMP**, Executive Management Officer, Louisiana Coastal Protection and Restoration Authority, Baton Rouge, LA

## **2019 Outlook**

### **"Atlantic Basin Seasonal Hurricane Prediction and Outlook for the 2019 Atlantic Hurricane Season"**

**Monday, April 22, 2019**

**Time: 3:30 pm to 5:00 pm**

**Location: St. James Ballroom**

Atlantic Basin Seasonal Hurricane Prediction and Outlook for the 2019 Atlantic Hurricane Season.

Presenter:

**Dr. Philip Klotzbach**, Research Scientist, Department of Atmospheric Science, Colorado State University, Fort Collins, CO

## **Security Training**

### **"National Infrastructure Coordinating Center (NICC)"**

**Monday, April 22, 2019**

**Time: 3:30 pm to 5:00 pm**

**Location: Jackson**

The National Infrastructure Coordinating Center (NICC) is the dedicated 24/7 coordination and information sharing operations center that maintains situational awareness of the nation's critical infrastructure for the federal government. When an incident or event affecting critical infrastructure occurs and requires coordination between the Department of Homeland Security and the owners and operators of our nation's infrastructure, the NICC serves as that information sharing hub to support the security and resilience of these vital assets. The NICC is part of the Cybersecurity and Infrastructure Security Agency's Infrastructure Security division and the DHS National Operations Center.

Moderator:

**Anthony Hurley**, Chair, NHC Utilities Topic Committee, Georgetown, TX

Speaker:

**TBA**

## **Response Training**

### **"Volunteers: Here Today, Gone Tomorrow?"**

**Monday, April 22, 2019**

**Time: 3:30 pm to 5:00 pm**

**Location: Canal**

During weather events that impact our communities, volunteers come out in large numbers but how do we retain them and keep them active when things are quiet. How do we engage them and utilize them and their different personalities? We give you resources and ideas on how to keep your volunteers engaged and active and trained.

Moderator:

**Chip Patterson**, Patterson and Associates, LLC/Southern Disaster Recovery, Jacksonville, FL

Instructors:

**Jane Wenner**, Assistant Emergency Management Coordinator, Gloucester County Emergency Management, Gloucester, VA

**Tammy Waldroup**, Emergency Coordinator, Christopher Newport University, Newport News, VA

**CONCURRENT SESSIONS Tuesday, April 23, 2019 8:30 am to 12:00 pm**

### **"ABC's of EOCs"**

**Tuesday, April 23, 2019**

**Time: 8:30 am to 12:00 pm**

**Location: Fulton**

A must-see primer for those interested in learning more about what is an Emergency Operations Center, and for those considering constructing and operating such a facility. Listen to a renowned architect go over design considerations in building such a center. Also, hear emergency managers provide insight on planning for operating in an emergency operation center environment, and lessons learned in building a recently completed emergency operation center facility.

Moderator:

**John D. Wilson**, Chairman, Planning Committee, National Hurricane Conference, Fort Myers, FL

[Part A](#)

[Part B](#)

Speakers:

**"Emerging Trends...and...their Impact on the Built Environment of EOC Facilities"**

[Part 1](#)      [Part 2](#)

**I.S.K. Reeves V**, President, Architects Design Group, Winter Park, FL

**Susan Gantt**, Senior Vice President, Architects Design Group, Winter Park, FL

**"Incorporating Emergency/Incident Action Planning into the Emergency Operations Center"**

**Gerald Campbell**, Emergency Manager (retired), Florida Gulf Coast University, Fort Myers, FL

**"How to Sell the Need for a Viable EOC to Your Governing Body"**

**Chris Eldridge**, Administrator, Horry County Government, Conway, SC

**Randall Webster**, Director, Horry County Emergency Management, Conway, SC

### **Evacuation Planning/Mass Care Workshop**

**"Cohabitated Human/Pet Shelter Toolkit and the Take Your Pet with You PSA Video"**

**Monday, April 23, 2019**

**Time: 8:30 am to 10:00 am**

**Location: Royal**

The purpose of this Toolkit is to offer functional guidance to aid in the establishment, operation and maintenance of Cohabitated Human/Household Pet (CHHP) shelters in response to an emergency

associated with a natural or manmade disaster. CHHP sheltering means that people and their pets are physically together within a shelter. Collocated Human/Household Pet sheltering in contrast involves separate facilities for the humans and pets, but are typically in close proximity so the humans can routinely visit and care for their pets. CHHP sheltering generally requires a collocated pet shelter for those pets not suitable for the Cohabitated shelter. Pet evacuation, sheltering and care are inherently the responsibility of the pet owner. Experience has shown that some people who need assistance with evacuation, transportation and sheltering during an emergency may refuse to leave their homes unless they also receive assistance with their pets. Planning is required to address the needs of pet owners who require evacuation and sheltering assistance for their pets as well as the needs of people who have service animals. Each state has a designated lead agency to aid in this mission during a disaster. Each jurisdiction should identify a lead agency to aid in this sheltering mission. During a catastrophic incident, impromptu or planned CHHP shelters may be established by non- governmental groups, local jurisdictions or other entities. Planning and coordinating support and services for cohabitated sheltering will mitigate the critical issues identified in sheltering with pets. This Toolkit has been developed to offer guidance in supporting CHHP sheltering. The Toolkit describes how to coordinate with non-governmental organizations, community leaders and governmental partners at the local, parish/county, state/tribal/territorial levels to accomplish its sheltering mission.

## Toolkit

Speaker:

**Robbie Averett**, Chief, Emergency Program Plans Section, Louisiana Dept. of Agriculture & Forestry, Baton Rouge, LA

### **Reservation Required**

#### **EMI L0310 Hurricane Readiness for Inland Communities**

**Monday, April 22, 2019**

**Time: 8:30 am to 5:00 pm**

**Location: Commerce**

This 1-day course is an introduction to the National Weather Service forecast procedures and products dealing with the inland hazards of Hurricanes. Topics include hurricane hazards, Flood observation and forecast products, lessons learned from coastal Hurricane Evacuation Studies and the evacuation decision process. A brief tutorial on the products and tools available in the new Web-Based Hurrevac tool will be showcased.

The primary audience for this training is for planners responsible for developing or revising hurricane operations plans and procedures for communities threatened by hurricanes, especially flooding.

Instructor:

**Brandon Bolinski**, Hurricane Program Manager, FEMA Region IV, Atlanta, GA

### **Reservation Required**

#### **Introduction to Web-Based HURREVAC**

**Tuesday, March 23, 2019**

**Time: 8:30 am to 12:00 pm**

**Location: Marlborough B**

The National Hurricane Program is transitioning to a web-based version of the HURREVAC decision support tool for government emergency managers. The new web-based version is scheduled to become fully operational during the 2018 hurricane season.

The  $\frac{1}{2}$ -day Introduction to Web-Based HURREVAC session will provide information on the development process and the advantages of the web-based version, discuss features and functionality new to the web version, provide a demonstration of the user interface, go through an interactive user tutorial, and discuss the schedule and process for transition from the desktop software to the web-based version. Participants will receive a log-in to access the beta version that will be available for use prior to the release of the operational version. Each student will need to bring a laptop and have access to a WiFi sources to ensure internet connectivity, which is required to access the web-based version of HURREVAC. The laptop must also have an internet browser installed.

All HURREVAC classes are intended for *Government Emergency Managers*.

Instructor:

**Carla Quinn**, National Hurricane Program Manager, U.S. Army Corps of Engineers, Baltimore, MD

### **Public Education/Media Workshop**

**"See It, Hear It, Touch It - Informal Hurricane Education Outreach"**

**Tuesday, April 23, 2019**

**Time: 8:30 am to 10:00 am**

**Location: St. James Ballroom**

The FIU International Hurricane Research Center (IHRC), will describe informal education outreach partnerships with local, state and federal partners, including FDEM, Broward County Emergency Management, Miami-Dade County Emergency Management, NOAA National Hurricane Center, NOAA National Weather Service, NOAA Education, International Hurricane Protection Association, Fort Lauderdale's Museum of Discovery and Science, *StormZone* and *AshBritt Environmental*. Programs include *Eye of the Storm* at Fort Lauderdale's Museum of Discovery and Science, a free-of-charge, community event with interactive hurricane science, and preparedness activities, including live air cannon missile impact demonstrations and the entertaining *Owlie Skywarn* live theater show; the FIU Wall of Wind Mitigation Challenge, which is a competition between high school teams to develop innovative hurricane wind mitigation concepts which are then tested in the FIU Wall of Wind Research Facility; the Wall of Wind museum exhibit that teaches families and kids about mitigation, hurricane wind engineering and the importance of protecting your home's windows and doors; *StormZone*, a school-based multi-disciplinary science and social studies education program that teaches students about natural hazards and how emergency management helps their local community before, during and after a severe weather event.

Moderator/Speaker:

**Erik Salna**, Associate Director, Extreme Events Institute, FIU International Hurricane Research Center, Miami, FL

**Speakers:**

**John Cangialosi**, Hurricane Specialist, National Hurricane Center, Miami, FL

**Tim Robinson**, President, International Hurricane Protection Association

**Gerardo Castillo**, Chief of Staff, Ashbritt Environmental

### **Tropical Island Workshop**

#### **"Regional Preparedness"**

**Tuesday, April 23, 2019**

**Time: 8:30 am to 10:00 am**

**Location: Camp**

Preparedness is important to disaster management in order to reduce the impact of disasters on vulnerable populations. The presentation deals with the preparedness mechanisms at the national and regional level and their role in preparing countries for disaster response. The focus will therefore be on the Preparedness Mechanisms in the English-speaking Caribbean looking at how they work before an imminent impact, with emphasis on the preparedness phases, beginning with the Alert phase. It will also examine preparedness planning, financial, human and other resources as well as the existing gaps linking them with the events of 2017 and 2018. The plans and programs being established to address gaps and improve the preparedness mechanisms will also be addressed.

**Moderator:**

**Clive E. Lorde**, Disaster Risk Management Specialist, USAID/OFDA/ LAC/RTI, Bridgetown, Barbados

**Speakers:**

**TBA**, Caribbean Disaster Emergency Management Agency - Member State

**Jan Riley**, Deputy Executive Director, Caribbean Disaster Emergency Management Agency

### **Hurricane History Workshop**

#### **"Mississippi, Alabama, and the Florida Panhandle Hurricane Impact History - From the May 1863 Hurricane to Camille to Katrina to Michael"**

**Tuesday, April 23, 2019**

**Time: 8:30 am to 10:00 am**

**Location: Jackson**

The Conference's Hurricane History Committee was formed with a mission to assist Emergency Management Coordinators & Decision Makers in both the Public & Private Sector fully grasp the need to learn the hurricane impact history of their home region. A look back to gain knowledge... if it has happened once, then it can happen again. This training session will bring a focus on the history of tropical cyclone impact to Mississippi, Alabama, and the Florida Panhandle; and highlight the importance of documenting and understanding both regional and local hurricane histories and their impacts. The understanding of local historical storm impact by those decision makers of that area, is a major lesson to be learned. To fail to grasp the importance of such a lesson along our coastal region,



could lead to a man-made disaster beyond their worst nightmare. In particular, 2019 brings the 50<sup>th</sup> anniversary of Saffir-Simpson Category 5 Hurricane Camille with several parallels to 2018's Hurricane Michael.

Moderator:

**Chris Landsea**, Chief, Tropical Analysis Forecast Branch, National Hurricane Center, Miami, FL

Speakers:

**"Are the Numbers and Intensities of Hurricanes Changing?"**

**Chris Landsea**, Chief, Tropical Analysis Forecast Branch, National Hurricane Center, Miami, FL

**"Florida Panhandle Hurricanes"**

**Kelly Godsey**, Senior Service Hydrologist/Meteorologist, National Weather Service, Tallahassee, FL

**"Alabama Hurricanes"**

**Jon Howell**, Weather Forecast Office, Mobile, AL

**"Mississippi Hurricanes"**

**Frank Revitte**, Weather Forecast Office, New Orleans, LA

**"Camille versus Michael - Similarities and Differences"**

**John Beven, PhD**, Senior Hurricane Specialist, National Hurricane Center, Miami, FL

**Accessibility & Functional Needs Training**

**"Crowd Customizing a DAFN Shelter Checklist and Tabletop Exercise"**

**Tuesday, April 23, 2019**

**Time: 8:30 am to 12:00 pm**

**Location: Canal**

NEMRC (National Emergency Management Resource Center) has developed a robust and dynamic DAFN shelter checklist. The checklist is being continuously revised to reflect current experience and lessons learned. This highly interactive tabletop exercise session will focus on 'crowdsourcing' and validating the checklist, including action plans and resource requirements, in the context of a hurricane scenario and the lessons learned by participants in previous events. This engaging session will focus on solutions and inclusion. Each participant will leave with a customized digital copy of the checklist, and background notes and guidance required to further refine it for their own jurisdictional/organizational needs. Bring a laptop for the best experience.

Moderator:

**Elizabeth A. Davis**, Executive Director, EAD & Associates, LLC, Brooklyn, NY

Instructors:

**Sarah Tuneberg**, Co-Founder & CEO, Geopsiza, Inc, Denver, CO

**Ashley DeCurtis**, Public Safety Lead, Geopsiza, Inc, Denver, CO

**Recovery Training**

**"Debris Operations and Monitoring"**

**Tuesday, April 23, 2019**

**Time: 8:30 am to 12:00 pm**

**Location: Magazine**

Debris operations including removal and monitoring following a disaster is a challenging task, even if everything is done correctly. This training is to talk about the good and bad, things to remember and watch out for and going over the requirements that FEMA has to fund and make sure you keep those funds your next debris operation.

Instructor:

**John P. Kropog, III**, Senior Disaster Recovery Specialist, Disaster Management Services, APTIM, Baton Rouge, LA

**Amateur Radio Workshop**

**"Tropical Systems and Disaster Communications"**

**Tuesday, April 23, 2019**

**Time: 10:30 am to 5:00 pm**

**Location: Grand Salon A3-A6**

This training session will discuss general Amateur Radio involvement when tropical systems impact coastal areas of the Atlantic including the Amateur Radio response to Hurricane Florence and Michael in 2018. This will also include the historic Amateur Radio response to the impacts from Hurricanes Harvey, Irma and Maria on the Caribbean Islands, US Virgin Islands and Puerto Rico in 2017 and how the US Virgin Islands dealt with these hurricanes and bolstered their communications infrastructure. Specific presentation topics will include a representative from the National Hurricane Center, who will present the importance of Amateur Radio surface reports to the hurricane forecasting process; an overview of WX4NHC-The National Hurricane Center Amateur Radio station operations; the Hurricane Watch Net and how Amateur Operators maintain their stations when hurricanes cause damage to Amateur Radio reporting stations; and the VoIP Hurricane Net and Best Practices in Amateur Radio SKYWARN operations during tropical system impacts. Each group will also present how the hurricanes of the last two years were handled and how they collaborated with each other. We will also have the volunteer ARRL Section Manager from the US Virgin Islands present their story on the US Virgin Islands impacts from Hurricanes Irma and Maria in 2017, how their Amateurs supported communications and after response and recovery, supported significant improvements to their communications infrastructure. A presentation and overview of Canadian Hurricane Centre and Amateur Radio Operations along with the meteorological impacts of Hurricane Florence and Michael during the 2018 Atlantic Hurricane Season will be presented. SATERN, the Salvation Army Team Emergency Radio Network will also present their operations and handling of the last two Atlantic Hurricane Seasons. A moderated Q & A session will be completed as part of this informative workshop.

Moderator:

**Rob Macedo**, VoIP Hurricane Net

Presenters:

**Bill Feist**, SATERN (Salvation Army Team Emergency Radio Network)

**Bobby Graves**, Hurricane Watch Net

**Fred Kleber**, ARRL - Section Manager - US Virgin Islands

**Rob Macedo**, VoIP Hurricane Net

**John McHugh**, Amateur Radio Coordinator at National Hurricane Center Station - WX4NHC

**Jim Palmer**, VoIP Hurricane Net

**Julio Ripoll**, Amateur Radio Coordinator at National Hurricane Center Station - WX4NHC

**Bob Robichaud**, Canadian Hurricane Centre

### **Meteorology/Public Education/Media Workshop**

#### **"Communication Successes and Challenges During the 2018 Hurricane Season"**

**Tuesday, April 23, 2019**

**Time: 10:30 am to 12:00 pm**

**Location: St. James Ballroom**

This workshop will be an interactive town hall format in which media, emergency management and National Hurricane Center officials will discuss the successes and challenges of communicating hurricane threats and impacts during the 2018 hurricane season. The session will focus on topics that include how best to communicate freshwater and storm surge risk, communicating water risks when the storm is weakening or strengthening, communicating multiple life-threatening hazards, how best to use the new storm surge watch/warnings, the Saffir-Simpson Hurricane Wind Scale, and the messaging of indirect threats and fatalities.

**Moderator:**

**Dennis Feltgen**, Communications & Public Affairs Officer, National Hurricane Center, Miami, FL

**Speakers:**

**Kenneth Graham**, Director, National Hurricane Center, Miami, FL

**Michael Brennan**, PhD, Branch Chief, Hurricane Specialist Unit, National Hurricane Center, Miami, FL

**Tom Johnstone**, Meteorologist-in-Charge, National Weather Service Weather Forecast Office, Tallahassee, FL

**Ed Piotrowski**, Chief Meteorologist, WPDE-TV15, Florence, SC

**Ross Whitley**, Chief Meteorologist, WMBB-TV13, Panama City, FL

**Tom Collins**, Director, Pender County Emergency Management, Burgaw, NC

### **Tropical Islands Workshop**

#### **"Technical Issues"**

**Tuesday, April 23, 2019**

**Time: 10:30 am to 12:00 pm**

**Location: Camp**

The session will include two presentations.

**Moderator:**

**Clive E. Lorde**, Disaster Risk Management Specialist, USAID/OFDA/ LAC/RTI, Bridgetown, Barbados

## **"Weather and Climate Ready Nation Project"**

The presentation will provide an overview of the Weather and Climate Ready Nation (WCRN) project implementation by CIMH. The WCRN project is entitled "Impact based Forecasting and Warning Services: Barbados", and is a demonstration project for the implementation of impact-based forecast and warning processes and tools for the Barbados Meteorological Service (BMS). The adoption and implementation of impact-based forecasting work flows has been identified as a high priority by the World Meteorology Organization and supports the Sendai Framework for Disaster Risk Reduction.

**Speaker:**

**Shawn Boyce**, Chief Hydrologist, Caribbean Institute of Hydrology and Meteorology, Barbados

## **"Effects of Climate Change on Wind Speeds for Future Design and Construction"**

Scientific studies of sea-surface temperatures and multi-decadal cyclone patterns in the North Atlantic are pointing to changes in intensity distributions. The combination of greenhouse warming and the natural climate variability could produce unprecedented cyclonic activity in coming decades. Whether or not the indisputable global warming is caused by anthropogenic activity, there is the need to design for its effects. Studies have been done on the effects on wind speeds and the results are already incorporated in the OECs Building Code of 2015/2016. Because of the severity of the 2017 hurricane season and the anecdotal evidence of the damaging winds, it was considered valuable to find out what really happened as a pointer to future designs and preparedness actions. The information derived from scientific sources is instructive. The performances of buildings and other structures in past hurricanes are reviewed and specific recommendations made for future strategies.

**Speaker:**

**Tony Gibbs**, FEng FRSA BSc DCT(Leeds) FStructE FICE FASCE FRICS, Consultant, Consulting Engineers Partnership, Bridgetown, Barbados

## **Security Workshop**

### **"Terrorism Update"**

**Tuesday, April 23, 2019**

**Time: 10:30 am to 12:00 pm**

**Location: Jackson**

Terrorism, both domestic and international, could have an impact on our daily lives if it were to occur in our community, or within our organization. We are constantly seeing reports of acts of terrorism as a means for individuals to promote their agendas, which can be motivated for various reasons.

This update will provide you with an overview of steps that are being taken to address terrorism, and what we can do to support the various homeland security programs such as 'See Something, Say Something'.

**Moderator:**

**Anthony Hurley**, Chair, NHC Utilities Topic Committee, Georgetown, TX

**Speaker:**

**TBA**

**CONCURRENT SESSIONS**

**Tuesday, April 23, 2019**

**1:30 pm to 5:00 pm**

## **Business, Industry & Economic Resiliency Training Session**

### **"Continuity of Operations for Dummies: What's Risk Got to do with it?"**

**Tuesday, April 23, 2019**

**Time: 1:30 pm to 3:00 pm**

**Location: Fulton**

Things out of your control often happen that impact business operations. How prepared are you? Attendees will learn about the concept of continuity of operations, types of hazards they may encounter, and three key components of continuity of operations. They will also discuss a hypothetical scenario in which an incident adversely impacts their organization.

**Learning Objectives:**

- Understand what's involved in identifying an organization's essential functions
- Consider potential issues regarding continuity facilities
- Consider potential issues regarding critical information and data

What are risks to your organization and its operations? What keeps you up at night? What are you doing to prevent, remove, or minimize those things? In order to do anything, you must first recognize the risk(s).

**Learning Objectives:**

- Be aware of areas to consider in your risk assessment
- Understand how to analyze the risks you've identified
- Know your options for handling risk

**Moderator:**

**Justen Noakes**, Director of Emergency Preparedness, HEB Corporation, San Antonio, TX

**Instructor:**

**Bret Adams**, Continuity of Operations Coordinator, Texas Workforce Commission, Austin, TX

## **Reservation Required**

### **Applying Web-Based HURREVAC**

**Tuesday, March 23, 2019**

**Time: 1:30 am to 5:00 pm**

**Location: Marlborough B**

The National Hurricane Program is transitioning to a web-based version of the HURREVAC decision support tool for government emergency managers. The new web-based version is scheduled to become fully operational during the 2018 hurricane season.

The  $\frac{1}{2}$ -day Introduction to Web-Based HURREVAC session will provide information on the development process and the advantages of the web-based version, discuss features and functionality new to the web version, provide a demonstration of the user interface, go through an interactive user tutorial,

and discuss the schedule and process for transition from the desktop software to the web-based version. Participants will receive a log-in to access the beta version that will be available for use prior to the release of the operational version. Each student will need to bring a laptop and have access to a WiFi sources to ensure internet connectivity, which is required to access the web-based version of HURREVAC. The laptop must also have an internet browser installed.

All HURREVAC classes are intended for Government Emergency Managers.

Instructors:

**Carla Quinn**, National Hurricane Program Manager, U.S. Army Corps of Engineers, Baltimore, MD  
**Donald E. Cresitello**, Senior Coastal Planner, US Army Corps of Engineers - North Atlantic Division, Brooklyn, NY

### **Meteorology/Public Education/Media Workshop**

#### **"NHC's Use of Aircraft Data in Hurricane Analysis and Forecasting"**

**Tuesday, April 23, 2019**

**Time: 1:30 pm to 3:00 pm**

**Location: St. James Ballroom**

This workshop will discuss how NHC uses NOAA and U.S. Air Force Reserve reconnaissance aircraft data to analyze the location, intensity, and size of land-threatening tropical storms and hurricanes. NHC will show examples of how flight-level wind and surface winds estimates from the Stepped-Frequency Microwave Radiometer (SMFR) are used in construct real-time intensity and size estimates, and in post-analysis to construct the final track and intensity of tropical cyclones in its area of responsibility. Representatives from the U.S. Air Force 53rd Weather Reconnaissance Squadron and the NOAA Aircraft Operations Center will share their experiences and challenges in collecting the data, and NHC will show how the data are used in numerical modelling. The session will conclude with a look at how the data were used to estimate the peak intensity of Hurricane Michael.

Moderator:

**Daniel Brown**, Senior Hurricane Specialist, National Hurricane Center, Miami, FL

Speakers:

#### **"Use of Aircraft at the National Hurricane Center"**

**Michael Brennan**, PhD, Branch Chief, Hurricane Specialist Unit, National Hurricane Center, Miami, FL

#### **"Challenge of Collecting Aircraft Data in Hurricane Michael"**

**Jeremy DeHart**, 53<sup>rd</sup> Weather Reconnaissance Squadron, U.S. Air Force Reserve, Biloxi, MS

#### **"Use of Aircraft Data in Numerical Models"**

**Jason Sippel**, PhD, NOAA Hurricane Research Division, Miami, FL

#### **"NHC's Analysis of Hurricane Michael's Intensity"**

**John Beven**, PhD, Senior Hurricane Specialist, National Hurricane Center, Miami, FL

### **Tropical Islands Training**

#### **"Review of Impacts"**

**Tuesday, April 23, 2019**

**Time: 1:30 pm to 3:00 pm**

**Location: Camp**

This session focuses on the Tropical Systems of 2017 and 2018 and their impacts. An overview of the season will be presented followed by presentations from representatives of impacted Caribbean countries. The challenges faced by small islands in responding to the impact and the challenges presented in sheltering large numbers of persons in the face of limited or non-existing shelter facilities will be highlighted. The impact of adverse weather event of October 2018 and its impact on Trinidad and Tobago will also be presented.

Moderator:

**Cecil Shillingford**, Disaster Risk Management Specialist, USAID/OFDA/ LAC/RTI, Roseau, Dominica

Instructors:

**TBA** - Dominica

**TBA** - Antigua/Barbuda

**Captain Neville Wint** (Retired) Operations Manager, Office of Disaster Preparedness and Management (ODPM), Trinidad & Tobago

### **Security Workshop**

**"CARVER (Criticality, Accessibility, Recuperability, Vulnerability, Effect & Recognizability)"**

**Tuesday, April 23, 2019**

**Time: 1:30 pm to 3:00 pm**

**Location: Jackson**

The CARVER (plus Shock) method is an offensive targeting prioritization tool that has been adapted for use in many sectors. This tool can be used to assess the vulnerabilities of a system or infrastructure and allows you to understand how an adversary may identify the most attractive targets for attack. The presenter, who published the book, "*CARVER + Shock, Vulnerability Assessments*", is a nationally-sought trainer and public speaker on subjects such as conducting vulnerability assessments, school and campus security, threat assessments and federal security programs.

Moderator:

**Anthony Hurley**, Chair, NHC Utilities Topic Committee, Georgetown, TX

Speaker:

**Ed Clark**, President and Principal Consultant, Executive Interface, LLC., Garden City, MO

### **Accessibility & Functional Needs Workshop**

**"Un-Plugged - Reflections from the Chair"**

**Tuesday, April 23, 2019**

**Time: 1:30 pm to 3:00 pm**

**Location: Canal**

Over the expanse of some 30 years of disaster response and leadership with and for the Aged and Disability Communities on behalf of the National Hurricane Conference, the Co-Chairs, Elizabeth Davis and Michael Weston will share their perspectives. A focus on where we were, where we are, and where they think we need to be.

Combined they have directed disaster and emergency operations around the country, and around the world. Just within the United States that reflects direction and response to our most "at-risk" populations on nearly 100 Presidential Declared Events. This includes, Hurricanes Andrew, Katrina, Rita, Ike, Harvey, Sandy, Irma, Maria and Michael. As well as 9-11, wildfires, floods, tornadoes, mass casualty and human trafficking. This will be a fast-moving, audience-driven session.

Moderator:

**Bryan Norcross**, Hurricane Specialist, WPLG-TV, Miami Beach, FL

Speakers:

**Michael Weston**, President, SerVision, Inc, Miami Shores, FL

**Elizabeth A. Davis**, Executive Director, EAD & Associates, LLC, Brooklyn, NY

### **Business, Industry & Economic Resiliency Training Session**

#### **"Nailing Your Elevator Pitch"**

**Tuesday, April 23, 2019**

**Time: 1:30 pm to 3:00 pm**

**Location: Magazine**

This session aims to arm emergency management professionals with the tools they need to garner support for emergency management programs from senior elected officials and/or corporate leaders through:

- Sharing qualitative and quantitative proof points to motivate
- Utilizing sales-based research to structure and execute "the pitch"
- Identifying strategies to engage leadership to make positive change

Participants will engage in activity-based learning to structure and deliver customized "pitches" to learn and practice the art of the ask.

Moderator:

**Mickie Valente**, President, Valente Strategic Advisers, St. Petersburg, FL

Instructor:

**Christina Crue**, MS, CEM, MEP, Senior Managing Director, Preparedness and Mitigation Services, Tidal Basin, Inc.

### **Business, Industry & Economic Resiliency Training Session**

#### **"Create a Culture of Preparedness"**

**Tuesday, April 23, 2019**

**Time: 3:30 pm to 5:00 pm**



**Location: Fulton**

Explain how and why to use the existing culture to build readiness throughout an organization. Discuss what motivates people to be prepared and varying strategies towards building organizational resilience. Share ideas for promoting preparedness, awareness campaigns, barriers and being effective. Real world scenarios will influence discussions.

Moderator:

**Mickie Valente**, President, Valente Strategic Advisers, LLC, St. Petersburg, FL

Instructor:

**Michelle Neisen**, Senior Business Continuity Consultant, Austin, TX

**2019 Outlook**

**"Atlantic Basin Seasonal Hurricane Prediction and Outlook for the 2019 Atlantic Hurricane Season"**

**Tuesday, April 23, 2019**

**Time: 3:30 pm to 5:00 pm**

**Location: St. James Ballroom**

Atlantic Basin Seasonal Hurricane Prediction and Outlook for the 2019 Atlantic Hurricane Season.

Presenter:

**Dr. Philip Klotzbach**, Research Scientist, Department of Atmospheric Science, Colorado State University, Fort Collins, CO

**Tropical Islands Workshop**

**"Recovery"**

**Tuesday, April 23, 2019**

**Time: 3:30 pm to 5:00 pm**

**Location: Camp**

An in-depth discussion on the Recovery issues related to the impacts of 2017 and 2018 will be presented. Some of the issues to be discussed will include Recovery Planning, Recovery Plan implementation, the progress to date and the challenges experienced in the affected countries' programs.

Moderator:

**Audrey Mullings** Disaster Risk Management Specialist, USAID/OFDA/ LAC/RTI, Kingston, Jamaica

Speaker:

**TBA** - Dominica

**TBA** - Antigua and Barbuda

**Dr. Drexel Glasgow** - British Virgin Islands

## **Fire-Rescue/Law Enforcement Workshop**

### **"Utilizing Unmanned Aircraft Systems in Emergencies and Disasters"**

**Tuesday, April 23, 2019**

**Time: 3:30 pm to 5:00 pm**

**Location: Jackson**

Presentation Description: This session will focus on the use cases for unmanned aircraft systems (UAS) as applied to emergencies and disasters. Examples will include USAR, wide area search, firefighting, and damage assessment. The session will discuss the regulatory issues, equipment, and training and development of UAS teams.

Speaker:

**Laura Hart**, UAS Program Coordinator, EMHSP, Center for Disaster Risk Policy Emergency Management and Homeland Security Program, FSU, Tallahassee, FL

## **Accessibility & Functional Needs Workshop**

### **"Inspiration for Homeless Emergency Planning and the Birth of a Workbook"**

**Tuesday, April 23, 2019**

**Time: 3:30 pm to 5:00 pm**

**Location: Canal**

Goal: A whole community that is prepared and resilient in the face of disaster; easy to say, but not as easy to attain. We plan for households, pets, individuals, Assisted Living Facilities, hospitals, and other populations in our jurisdictions, but have we considered the needs of the homeless population in your planning? Join us as we discuss the project that one county undertook to increase the level of preparedness for its homeless population and the workbook that was created to assist the rest of the state in this process.

Moderator:

**Michael Weston**, President, SerVision, Inc, Miami Shores, FL

Speakers:

**Jessica Nusbaum**, State IA Officer and Community Preparedness Coordinator, Maryland EMA, Reisterstown, MD

**Valerie D. Hawkins**, Emergency Management Manager, Carroll County Dept. of Public Safety, Westminster, MD

## **Response Training**

### **"How to Keep Your Department Heads Engaged in the Planning and Preparedness Process"**

**Tuesday, April 23, 2019**

**Time: 3:30 pm to 5:00 pm**

**Location: Magazine**

With the ever increasing battle of heavy workloads verses the available time to engage department leaders in disaster planning and preparedness for events that may not happen, it is difficult to keep

disaster plans at the forefront in local government leaders minds. This session will provide a few ways for you to improve your organizations department head's and local leader's participation in disaster planning and understanding that preparedness can be of the key successes to a quick recovery.

Moderator:

**Chip Patterson**, Patterson and Associates, LLC/Southern Disaster Recovery, Jacksonville, FL

Instructors:

**Randall Webster**, Director, Horry County Emergency Management, Conway, SC

**Chris Eldridge**, Administrator, Horry County Government, Conway, SC

## **DELEGATE RAP SESSIONS Wednesday, April 24, 2019 8:30 am to 10:00 am**

**An opportunity for professionals to meet and share ideas with their fellow professionals on issues of mutual interest.**

### **Utilities RAP**

**Location: Marlborough A**

Facilitator:

**Anthony Hurley**, Chair, NHC Utilities Topic Committee, Georgetown, TX

### **Business, Industry & Economic Resiliency RAP**

**"The Private Sector's Role in Disasters"**

**Location: Prince of Wales**

Facilitators:

**Justen Noakes**, Director of Emergency Preparedness, HEB Corporation, San Antonio, TX

**Mickie Valente**, President, Valente Strategic Advisors, LLC., St. Petersburg, FL

### **Recovery/FEMA RAP**

**"FEMA Update"**

**Location: Fulton**

Facilitator:

**FEMA TBA**

### **Response RAP**

**"AHIMT's: Revisit of Their Role in EOC's and Site Management"**

**Location: Royal**

Devastating Hurricane Michael stretched the limits of placing All Hazard Incident Management Teams (AHIMT) to help with command, control and coordination activities throughout the disaster zone. AHIMT's performed roles in Emergency Operations Centers, supporting logistics functions, supporting functional groups (e.g. Law Enforcement, etc.) and other response activities. Are AHIMT's

appropriate for these roles? This Rap session explores the inner workings of entities within the Multi Agency Coordination System to understand if there are functional or mission mismatches within the use of AHIMTs.

Facilitator:

**Chip Patterson**, Patterson and Associates, LLC/Southern Disaster Recovery, Jacksonville, FL

Participants:

**Marty Senterfitt**, Emergency Management Director, Monroe County, FL

**Kevin Guthrie**, Deputy Director, FL Division of Emergency Management, Tallahassee, FL

### **Fire-Rescue/Law Enforcement RAP**

**Location: Commerce**

This session is an opportunity for conference delegates in the same profession to meet and discuss matters of mutual interest in their field. Points of discussion might include:

- Hurricane experiences of the past season -- the worst problems faced, strategies that worked best
- New ideas or approaches in hurricane response and recovery

Facilitators:

**William Wagner, III**, Fire Chief (Retired), Islamorada, FL and Founder/CEO, Early Alert, Inc., Rome, GA

**Lisa Watson**, Retired Fire Captain, Marathon, FL Emergency Management Director, Early Alert, Inc., Crawfordville, FL

### **Engineering/Mitigation RAP**

**"30 Years of Hazard Mitigation"**

**Location: Marlborough B**

Facilitator:

**FEMA TBA**

### **Public Education/Media RAP**

**"Media RAP"**

**Location: St. James Ballroom**

This rap session is an annual favorite as it brings together news media, emergency managers, information officers, and national meteorology leaders in a rare forum to examine the latest trends and challenges in hurricane messaging before, during and after a storm. This year's busy agenda will include best practices and challenges arising out of the 2018 season and Hurricane's Florence and Michael.

Facilitator:

**Leslie Chapman Henderson**, President & CEO, Federal Alliance for Safe Homes (FLASH), Tallahassee, FL

Participants:

**Dr. Rick Knabb**, Hurricane Expert, The Weather Channel, Atlanta, GA

**Nicondra Norwood**, Meteorologist, FOX 8 WVUE, New Orleans, LA

**Jeff Lindner**, Meteorologist, Harris County Flood Control District, Houston, TX

**Chris Smith**, Chief Meteorologist, WJHG-TV, Panama City, FL

**Bryan Norcross**, Hurricane Specialist, WPLG-TV, Miami Beach, FL

### **Voluntary Agencies RAP**

**Location: Camp**

An opportunity for emergency managers and voluntary agency representatives to get together on current and evolving issues in mass care and volunteer & donations management.

Facilitators:

**Katherine Galifianakis**, Senior Director of Response, Disaster Cycle Services, American Red Cross, Fairfax, VA

**Michael Whitehead**, Planning Integration Manager, American Red Cross, Fairfax, VA

### **Evacuation Planning/Emergency Management RAP**

**Location: Jackson**

Facilitator:

**John Wilson**, Chairman, Planning Committee, National Hurricane Conference, Fort Myers, FL

### **Insurance RAP**

**"The Insurance Claims Process: Scenario Planning"**

**Location: Canal**

Knowing how the claims process works provides necessary insight into what to do BEFORE a hurricane strikes, so you can get your insurance claim handled promptly and accurately. This session introduces a home inventory exercise to envision the claims process.

Facilitators:

**Lynne McChristian**, Non-Resident Scholar, Insurance Information Institute, Champaign, IL

**Scott Holeman**, Director of Media Relations, Insurance Information Institute, Kansas City, MO

### **Accessibility & Functional Needs RAP**

**"Access and Functional Needs - Emerging and Enduring Issues"**

**Location: Magazine**

Open Door/Open Mike - A discussion on any issue that relates to all people at-risk due to the circumstances of a disaster.

Facilitators:

**Elizabeth A. Davis**, Executive Director, EAD & Associates, LLC, Brooklyn, NY

**Michael Weston**, President, SerVision, Inc, Miami Shores, FL

**Wednesday, April 24, 2019**

**10:00 am to 1:00 pm**    **Dedicated time to tour Exhibit Hall**

**General Session**

**Grand Salon A-C**

1:00 pm

**Welcome - John Wilson**, Planning Committee Chair, National Hurricane Conference, Fort Myers, FL

1:05 pm

**Special Address - Pete Gaynor**, Deputy Administrator, Federal Emergency Management Agency, Washington, DC

1:20 pm

**Special Address - Lt. Governor Billy Nungesser**, State of Louisiana, Baton Rouge, LA

1:30 pm

**Special Address - Dr. Neil Jacobs**, Acting Administrator, NOAA, Washington, DC

1:40 pm

**Lessening the Human and Financial Costs of Water in Hurricanes: A Panel**

Moderator: **Dr. Rick Knabb**, Hurricane Expert, The Weather Channel, Atlanta, GA and former Director, National Hurricane Center

- **Overview of 2018 Water Impacts from Hurricanes - Kenneth Graham**, Director, National Hurricane Center, Miami, FL
- **Coastal Evacuation Challenges During Florence & Michael - Rebecca Moulton**, Meteorology/Hurricane Program, FEMA Region IV, Atlanta, GA
- **Performance of New Storm Surge Products During 2017-18 - Jamie Rhome**, Storm Surge Team Lead, National Hurricane Center, Miami, FL
- **After Matthew and Florence, What's Next for North Carolina? - Mike Sprayberry**, Director, North Carolina Division of Emergency Management, Raleigh, NC
- **Turn Around Don't Drown: Can We Keep Everyone Off Water-Covered Roads? - Leslie Chapman-Henderson**, President/CEO, Federal Alliance for Safe Homes (FLASH), Tallahassee, FL
- **Are We Doing Enough Outreach to Convince People to Get Flood Insurance? - Lynne McChristian**, Non-resident Scholar, Insurance Information Institute, and Professor, University of Illinois at Urbana-Champaign
- **Using Traffic System Management and Operations to Evacuate the North Carolina Coastline from Hurricane Florence - Patrick Son**, Managing Director, National Operations Center of Excellence, Washington, DC

3:00 pm

**Coffee Break**

3:30 pm

**Annual Awards Presentation**

4:00 pm

**No Code, No Confidence: A New Research-Informed Public Outreach Initiative on Building Codes**  
- **Leslie Chapman-Henderson**, President/CEO, Federal Alliance for Safe Homes (FLASH),  
Tallahassee, FL

4:15 pm

**Hurricane Seasonal Forecasting and Climate Issues: A Panel**

Moderator: **Dennis Feltgen**, Public Affairs Officer, National Hurricane Center, Miami, FL

- **Hurricane Seasonal Forecast Verification: 2018 Challenges** - **Dr. Phil Klotzbach**, Atmospheric Research Scientist, Colorado State University, Fort Collins, CO
- **How Florence and Michael Became Major Hurricanes Despite Generally Hostile Conditions** - **Eric Blake**, Hurricane Specialist, National Hurricane Center, Miami, FL
- **Does Hurricane Seasonal Forecast Messaging Affect Public Preparedness?** - **Dr. Jay Baker**, Professor Emeritus, Department of Geography, Florida State University, Tallahassee, FL
- **Are the Numbers and Intensities of Hurricanes Changing?** - **Dr. Christopher Landsea**, Science and Operations Officer, National Hurricane Center, Miami, FL
- **Factors Affecting Tropical Cyclone Rainfall and Recent Trends in Extreme Rainfall and Flooding** - **Greg Carbin**, Forecast Operations Branch, Weather Prediction Center, College Park, MD
- **Storm Surge and Sea Level Rise - What You Need to Know** - **Dr. Cody Fritz**, Storm Surge Specialist, Storm Surge Unit, National Hurricane Center, Miami, FL

5:30 pm

**Adjourn**



**A1 Meteorology Workshop****"Operational Forecast Successes and Challenges during the 2018 Hurricane Season"**

Thursday, April 25, 2019

Time: 8:30 am to 10:00 am

Location: St. James Ballroom

The 2018 Atlantic hurricane season provided several track and intensity forecast challenges, including the rapid intensification of Hurricane Michael, the weakening and slow-down of Hurricane Florence near the coast of North Carolina, and the unexpected formation of Tropical Storm Gordon near southeastern Florida. This workshop will include a discussion of the accuracy of storm surge and rainfall forecasts and provide a look at the overall accuracy of NHC's track and intensity forecasts in 2018.

Moderator:

**Michael Brennan, PhD**, Branch Chief, Hurricane Specialist Unit, National Hurricane Center, Miami, FL

Speakers:

**"Recent Trends in Tropical Cyclone Track and Intensity Prediction"****John Cangialosi**, Senior Hurricane Specialist, National Hurricane Center, Miami, FL**"NHC Forecast Successes and Challenges during the 2018 Hurricane Season"****Eric Blake**, Hurricane Specialist, National Hurricane Center, Miami, FL**"Evaluation of NHC's Storm Surge Predictions"****Jamie Rhome**, Storm Surge Team Lead, National Hurricane Center, Miami, FL**"Evaluation of the NOAA Weather Prediction Center's Rainfall Forecast"****Greg Carbin**, Chief of the Forecast Operations Branch, Weather Prediction Center, College Park, MD**B1 Evacuation Planning Workshop****"Evacuation in Hurricane Florence"**

Thursday, April 25, 2019

Time: 8:30 am to 10:00 am

Location: Fulton

Emergency Management officials from North and South Carolina will describe the evacuation challenges faced by their communities and the actions they took in Hurricane Florence. Hear them describe their decision-making process, special problems created by Florence's slow forward speed and heavy rainfall, what tools they used to help their evacuation decision making, and lessons learned.

Moderator:

**Brandon Bolinski**, Hurricane Program Manager, FEMA Region IV, Atlanta, GA

Speakers:

[Diana Thomas](#), State Meteorologist, North Carolina Dept. of Public Safety, Raleigh, NC[Tom Collins](#), Director, Pender County Emergency Management, Burgaw, NC

**Randall Webster**, Director, Horry County Government, Conway, SC

### **C1 Mass Care Workshop**

#### **"Use of Multi-Agency Shelter Transition Teams after Hurricane Florence"**

**Thursday, April 25, 2019**

**Time: 8:30 am to 10:00 am**

**Location: Magazine**

The transition of disaster survivors from congregate shelters to appropriate housing is a difficult endeavor for mass care practitioners in any disaster. The Multiagency Shelter Transition Plan Template, published in 2017, clarified in writing a Best Practice that had been implemented in various forms during prior years: the Multiagency Shelter Transition Team (MASTT). The purpose of this Workshop is to outline how State, local, federal and nongovernmental agency representatives planned for and executed the MASTT concept in North Carolina after Hurricane Florence.

Moderator:

**Katherine Galifianakis**, Senior Director of Response, Disaster Cycle Services, American Red Cross, Fairfax, VA

Speakers:

**Carlotta Dixon**, Section Chief, State Emergency Response Training ESF/RSF 6 Human Services Lead, Title VI/ADA-Civil Rights Coordinator, NC Division of Social Services-Program Compliance, NC Dept. of Health and Human Services, Raleigh, NC

[Wendy Pulley, ADAC, Interim Human Services Branch Manager, NC Dept. of Public Safety, Raleigh, NC](#)

**Elizabeth DiPaolo**, Mass Care Lead, FEMA Region VII, Denver, CO

**Gregory Mack**, Division Disaster State Relationship Director, American Red Cross, Durham, NC

### **D1 Response Workshop**

#### **"UAS Response in Hurricane Florence"**

**Monday, April 22, 2019**

**Time: 10:30 am to 12:00 pm**

**Location: Marlborough A**

Over the last couple of years, FEMA Region IV along with our state partners, established Unmanned Aerial System Working Groups to develop strategies to integrate UAS during disaster response efforts. During the 2018 Hurricane Season, our region was directly impacted by Hurricanes Florence and Michael. In response to these storms, manned and unmanned aerial systems along with satellite imagery were used to gain a greater situational awareness of the impacts to people and property. For the first time at a regional level, a remote sensing cell was stood up to coordinate the combined remote sensing efforts of local, state and federal partners. A common operating picture platform was used to store and share critical imagery and video collected by disaster responders that also served as a repository for remote sensing analysis and assessment products. This new approach to remote sensing at a regional level made a positive impact on both the response and recovery efforts.

Moderator:

**Travis Potter**, UAS Coordinator FEMA Region IV, Atlanta, GA

Speaker:

**Darshan Divakaran**, UAS Program Engineer, NC Dept of Transportation, Morrisville, NC

### **E1 Response Workshop**

#### **"Hurricane Disaster Response Logistics"**

Thursday, April 25, 2019

Time: 8:30 am to 10:00 am

Location: Camp

Hurricane Michael was a historic storm creating extraordinary response logistics challenges. Traditional disaster management logistics has a storied history and a number of great successes in US Hurricane response. In recent years, economic drivers have caused the day to day US logistics systems to markedly change. This workshop details logistics challenges in meeting Hurricane Michael requirements and will discuss paths forward for reforming disaster logistics in a new day.

Moderator/Speaker:

**Chip Patterson**, Patterson and Associates LLC/Southern Disaster Recovery, Jacksonville, FL

Speakers:

**Marty Senterfitt**, Emergency Management Director, Monroe County, FL

**Kevin Guthrie**, Deputy Director, FL Division of Emergency Management, Tallahassee, FL

### **F1 Utilities Workshop**

#### **"Electric: Public Power Utilities Hurricane Response"**

Thursday, April 25, 2019

Time: 8:30 am to 10:00 am

Location: Canal

Over half of the electric utilities in the U.S. are Public Power utilities. In 2017, and again in 2018, Public Power utilities were impacted by active hurricanes seasons, with names such as Irma, Maria, Michael and Florence. Our presenter, a seasoned veteran of many hurricane assignments will discuss public powers preparedness and response, as well as the American Public Power Associations (APPA) Mutual Aid capabilities.

Moderator:

**Anthony Hurley**, Chair, Utilities Topics Committee, Georgetown, TX

Speaker:

**Korey Bush**, Chief Electric System Operator, Lakeland Utilities, Lakeland, FL

### **G1 Fire-Rescue/Law Enforcement Workshop**

#### **"Incident Command Post - Emergency Operations Center Interface - When They Become One"**

**Thursday, April 25, 2019**

**Time: 8:30 am to 10:00 am**

**Location: Commerce**

This would focus on the nationwide model with an EOC also functioning as an ICP and how to balance and perform both functions.

Moderator:

**William Wagner, III**, Fire Chief (Retired), Islamorada, FL and Founder/CEO, Early Alert, Inc., Rome, GA

Speaker:

**Dennis Beyer**, IMST Leader, Early Alert, Inc, Owasso, OK

### **H1 Public Education/Media Workshop**

**"The Emerging Role and Influence of Digital Technologies, like Social Media, During and After Disasters"**

**Thursday, April 25, 2019**

**Time: 8:30 am to 10:00 am**

**Location: Jackson**

This workshop will explore the emerging role and influence of digital technologies by exploring lessons learned from Harvey, Irma, Maria, Florence, and Michael. As social media continues to change a great deal about how we understand, respond to, and recover from disasters, there is still some reticence in the emergency management community to rely on social media as a dependable source of information. Through this workshop, participants will better understand the value of gathering (and relying on) ground truth from social media. This workshop will use SimulationDeck to re-create the information environment related to one of the recent hurricanes. This hands-on portion of the seminar will provide participants with the opportunity to navigate simulated social media feeds to learn what information was available during a hurricane and how that information can be used.

Moderator/Speaker:

**Mark Amann, CEO**, Nusura, Inc., Denver, CO

Speakers:

**Michele Wood, PhD**, Professor and Chair, Department of Public Health, California State University, Fullerton, CA

**Hamilton Bean, PhD**, Assistant Professor, Department of communication, University of Colorado-Denver, Denver, CO

### **I1 Recovery Workshop**

**"Leveraging Community Resources for Local Disaster Recovery"**

**Thursday, April 25, 2019**

**Time: 8:30 am to 10:00 am**

**Location: Royal**

How to mobilize community resources to assist in response and recovery in the absence of a human/social services Department in a municipality. This workshop would discuss how to leverage traditional and non-traditional partners (i.e. redevelopment, transit, GIS) to meet the needs of residents through OEM rather than a dedicated municipal department at the local or county level.

Speaker:

**Michele DeLuca**, Deputy Director, Office of Emergency Management, Norwalk, CT

### **J1 Engineering Workshop**

**"No Code No Confidence - How Aligning Building Code Adoption and Enforcement with Local Mitigation Strategies is Advancing Strong Building Codes"**

**Thursday, April 25, 2019**

**Time: 8:30 am to 10:00 am**

**Location: Marlborough B**

This session will highlight the FLASH/FEMA "No Code No Confidence" Building Code Awareness Project and address the policy and practical details of how codes can drive or impede community resiliency. Workshop attendees will receive an overview on the history of project, consumer research insights, and new outreach program elements. Presenters will conduct an interactive session about how to use the program to not only help qualify for various federal funding opportunities, but to better understand their community's code status. Overall, the goal of the session is to provide a new tool to emergency managers, planners, and other public officials to understand their codes, map a plan for improvement, and network with an expert panel who can serve as a resource in the future.

Moderator:

**Mike Rimoldi**, MPA, CBO, CFM, Senior VP Engineering & Technical Programs, Federal Alliance for Safe Homes (FLASH), Tallahassee, FL

Speakers:

**John Ingargiola**, Lead Physical Scientist, FEMA Building Sciences Branch, Washington, DC

**Ryan Colker**, Vice President, Innovation, International Code Council, Washington, DC

**Dale Thomure**, Manager, Community Hazard Mitigation, ISO, Sainte Genevieve, MO

**Joel May**, Resilient Construction, Disaster Durable Solutions™ - BASF, Detroit, MI

### **K1 Mitigation Workshop**

**"The Case for Resilience Investments in a Changing Threat Environment"**

**Thursday, April 25, 2019**

**Time: 8:30 am to 10:00 am**

**Location: Prince of Wales**

Planners and policy makers in virtually every city along the Gulf and Atlantic coasts are trying to make the best possible decisions to protect their communities from hurricane threats. The devastating 2017 and 2018 hurricane seasons underscore the need for an effective approach to hurricane preparedness. The question arises: How do does my community protect itself to the fullest using

cost-effective measures? This challenge is compounded by the impact of rising sea level levels, shortened storm return intervals, and coastal development patterns. On top of this, must develop and implement programs and strategies motivate the public to pursue risk-reduction measures that will protect lives and property.

This session will include a review of Florida- and Alabama-based research and related activities to increase the public understanding of mitigation. The goal of the research is to learn how to best use persuasive messaging to increase the willingness of homeowners to retrofit their homes. The workshop will also include a discussion of activities undertaken by the University of New Orleans Center for Hazard and Risk Threat (CHART) in Louisiana communities to reduce the impact of repetitive flood loss through repetitive loss analyses and education and outreach offered to homeowners in repetitively flooded areas. UNO-CHART recently collaborated with the City of New Orleans to implement these efforts in in the city. Information shared about this effort will be useful to local officials engaged in planning, policy development, education and outreach, grant application, and general floodplain management activities -- all of which contribute to a safer environment

Moderator/Speaker:

**Leroy Thompson**, Senior Hazard Mitigation Planner/Advisor, IEM, Tallahassee, FL

Speakers:

**Elissa Kranzler, PhD**, Risk Management and Decision Processes Center, University of Pennsylvania-Wharton, Philadelphia, PA

**Monica Teets Farris, PhD**, Director, Center for Hazard and Risk Threat (CHART)  
University of New Orleans, New Orleans, LA

**CONCURRENT SESSIONS      Thursday, April 25, 2019    10:30am to 12:00 pm**

**A2 Meteorology/Hydrology Workshop**  
**"Hurricane Hazard Messaging Best Practices"**

**Thursday, April 25, 2019**

**Time: 10:30 am to 12:00 pm**

**Location: St. James Ballroom**

During tropical storm and hurricane threats it is imperative that residents in the affected region understand their risks from storm surge, extreme winds, and flooding rainfall. Hearing a consistent message from the National Weather Service, emergency management community, and the media can assist in ensuring that the public understands their risk and takes appropriate preparedness actions. This session will discuss messaging strategies and best practices from NHC, local NWS Weather Forecast Offices, the emergency management community, and the media.

Moderator:

**Robbie Berg**, Hurricane Specialist, National Hurricane Center, Miami, FL

Speakers:

**"NHC's Messaging Efforts - A Focus on Hazards"**

**Daniel Brown**, Senior Hurricane Specialist, National Hurricane Center, Miami, FL

**"Local Messaging from a Weather Forecast Officer Perspective"**

**Danielle Manning**, Forecaster, NWS New Orleans, New Orleans, LA

**"Messaging from a National Media Perspective"**

**Rick Knabb**, PhD, Hurricane Specialist, The Weather Channel, Atlanta, GA

**"Messaging from an Emergency Management Perspective"**

**Kevin Peters**, Director, Leon County Division of Emergency Management, Tallahassee, FL

**B2 Evacuation Planning Workshop**

**"Evacuation in Hurricane Michael"**

Thursday, April 25, 2019

Time: 10:30 am to 12:00 pm

Location: Fulton

Hurricane Michael struck northwest Florida with winds of 155 MPH, strengthening from just 75 MPH in 48 hours. The extreme severity of the storm, as well as the rapid intensification, posed response challenges in both coastal and inland communities. Emergency management professionals will discuss how they made evacuation decisions, how plans were implemented, what tools were used, and lessons learned from Michael.

Moderator:

[Andrew Sussman, Special Projects/Hurricane Program, Florida Division of Emergency Management, Tallahassee, FL](#)

Speakers:

[Kelly Godsey, Senior Service Hydrologist/Meteorologist, National Weather Service, Tallahassee, FL](#)

**Joby Smith**, Division Chief, Bay County Emergency Management, Southport, FL

**Ben Guthrie**, 911 Coordinator, Gulf County Emergency Management, Port St. Joe, FL

**Rodney Andreasen**, Director, Jackson County Emergency Management, Marianna, FL

**C2 Mass Care Workshop**

**"Multi-Agency Shelter Transition Teams in Florida after Hurricane Michael"**

Thursday, April 25, 2019

Time: 10:30 am to 12:00 pm

Location: Magazine

Post-impact short-term sheltering in hurricanes that produce major and catastrophic disaster is challenging in the response environment. Hurricane Michael did extreme damage to the housing stock in the Panhandle of Florida, resulting in shelters serving as the only available housing for families. Establishing a Multi-Agency Shelter Transition Team (MASTT) is a novel approach to solving the complex barriers for families seeking to leave congregate shelters and enter an appropriate housing solution. MASTT participants share their successes and lessons learned from this process.

Moderator/Speaker:

**Michael Whitehead**, Planning Integration Manager, American Red Cross, Fairfax, VA

Speakers:

**Dawn Brantley**, Sheltering Coordinator, VA Dept of Emergency Management, North Chesterfield, VA  
**Amy Dawson**, State Emergency Operations Center Manager, Governor's Office of Homeland Security and Emergency Preparedness, Baton Rouge, LA

**Sarah Egan**, Emergency Management Specialist, FEMA, Washington, DC

**Kelsie Davis**, Senior Disaster Program Manager, American Red Cross, Baton Rouge, LA

## **D2 Business, Industry and Economic Resiliency Workshop** **"The Roles of the Tourism Industry in a Hurricane Event"**

**Thursday, April 25, 2019**

**Time: 10:30 am to 12:00 pm**

**Location: Marlborough A**

This session will discuss the roles of the local tourism industry in the event of a hurricane advisory and the subsequent response and recovery. Tourism service providers are frequently in a position to provide much-needed services to other local businesses and the community during hurricanes. These may include discounted prices for rooms for evacuees and first responders, providing food and beverages, showers, laundry services, meeting space, the use of a hotel business center or even just a Wi-Fi connection. Additionally, the tourism industry's local and state connections may be able to identify partners to help local business re-open. They also often need to serve as a liaison between the industry and public officials.

Speakers from Convention and Visitors Bureaus (CVBs) and hotel sectors from Louisiana and Florida will share their experiences in dealing with the past hurricanes. This discussion will also include challenges, gaps, and strategies to fostering partnerships between an Emergency Operating Center (EOC) and the tourism industry in the event of hurricanes. It is envisioned that workshop attendees will also share their experiences, contributing to a group discussion and lessons learned.

Moderator:

**Ignatius Cahyanto**, University of Louisiana at Lafayette, LA

Speaker:

**Kristian Sonnier**, Vice President/Communications & Public Relations, New Orleans & Company, New Orleans, LA

**Pam Brown**, Conference & Event Manager, Lee County Visitor and Convention Bureau, Fort Myers, FL

**John Deveney**, President, Deveney Communication Consulting, LLC, New Orleans, LA

**Lee Woods**, Director of Security, Hilton New Orleans Riverside, New Orleans, LA

## **E2 Response Workshop** **"Defense Support of Civil Authorities"**

**Thursday, April 25, 2019**

**Time: 10:30 am to 12:00 pm**

**Location: Camp**



The Department of Defense plays a significant role in support of the National Response System and specifically in response to hurricanes. The major hurricanes that hit the U.S. this year required large-scale responses, including the employment of significant DoD capabilities.

Presenters will focus on key aspects of DoD support of civil authorities that pertain to their Component and area of expertise, such as immediate response; mutual aid agreements (importance, who to contact); preparedness (planning, training, exercising, equipping, and assessing); DoD technology and equipment transfer; the role of DoD installations (emergency management, mutual aid, interface with communities); and National Guard support—in a State response role and as a part of the Federal support provided by DoD. The discussion will also include challenges, gaps and shortfalls, and ways to improve how DoD interfaces with civil authorities and how support is provided.

Panelists will draw primarily from recent observations and findings from Hurricanes FLORENCE, MICHAEL, and LANE, and Typhoons MANKHUT and YUTU. Panelists will also draw from their vast experiences from multiple DoD responses and events.

Moderator:

**James Stahlman**, Director, CBRN and Preparedness, Office of the Assistant Secretary of Defense, Pentagon, Washington, DC

Speakers:

**Tim Russell**, Vice Director for Future Operations/J3V, USNORTHCOM, Peterson AFB, CO

**Capt. John Rivers**, USCG, Chief, Joint Operations Division - AMERICAS, The Pentagon, Washington, DC

## **F2 Utilities Workshop**

**"All Hazards Consortium: Fleet Movement Group"**

**Thursday, April 25, 2019**

**Time: 10:30 am to 12:00 pm**

**Location: Canal**

The All Hazards Consortium (AHC) is a 501c3 state sanctioned non-profit organization focused on expediting getting business back to business in support of community and economic resilience. The AHC includes thousands of stakeholders at all levels of government and across multiple industry sectors that sustain the nation's critical infrastructure. Presenter will highlight their work during the 2018 hurricane season and demonstrate how government and industry guided Working Groups within the AHC are enabling framework for private/public conversations to occur that prioritize common operational issues and jointly develop short/mid/long-term solutions that can be sustained by both public and private sectors.

Speaker:

**Anthony Hurley**, Co-Chair, All Hazards Consortium, Fleet Movement Group, Georgetown, TX

## **G2 Fire-Rescue/Law Enforcement Workshop**

### **"IMT, IMAT, IMST - What Difference Does It Make?"**

Thursday, April 25, 2019

Time: 10:30 am to 12:00 pm

Location: Commerce

The session would cover the many team models and how the teams integrate and support incident response and recovery - both in the public and private sectors.

Moderator:

**William Wagner, III**, Fire Chief (Retired), Islamorada, FL and Founder/CEO, Early Alert, Inc., Rome, GA

Speakers:

**Dennis Beyer**, IMST Leader, Early Alert, Inc, Owasso, OK

## **H2 Public Education/Media Workshop**

### **"#HurricaneStrong Community Designation Program"**

Thursday, April 25, 2019

Time: 10:30 am to 12:00 pm

Location: Jackson

Attendees to this workshop will learn how to qualify for the *#HurricaneStrong* Community Designation, a new element of the National Hurricane Resilience Initiative presented by FEMA, FLASH, NOAA, and *The Weather Channel*. *#HurricaneStrong* was created in 2016 to improve hurricane preparedness, mitigation, and overall readiness through increased public awareness and engagement. Communities chosen for this honorary recognition meet specific criteria, e.g. high-performing scores on the ISO Building Code Effectiveness Grading Schedule (BCEGS), Community Rating System, and other objective measures, e.g. the NOAA *StormReady Community Designation*. The program began in 2018, and the three counties designated so far are Leon County, Florida, Miami-Dade County, Florida, and Chatham County, Georgia.

Moderator/Speaker:

**Mike Rimoldi**, MPA, CBO, CFM, Federal Alliance for Safe Homes (FLASH), Tallahassee, FL

Speakers:

**Mat Cavell**, Assistant to the Leon County Administrator, Tallahassee, FL

**Dennis Jones**, Emergency Manager, Chatham County Emergency Management Agency, Savannah, GA

**Charles Cyrille**, Division Director, Miami-Dade Office of Emergency Management, Miami, FL

## **I2 Recovery Workshop**

### **"Timely, Flexible, Adaptable and Economical: Field Data Collection and Management Examples from Irma and Maria in Puerto Rico and the US Virgin Islands"**

Thursday, April 25, 2019

Time: 10:30 am to 12:00 pm

## Location: Royal

There are many commercial off-the-shelf (COTS) software and mobile application solutions designed for specific tasks that cannot be modified quickly to meet ever-changing data collection requirements. Highly customized software and mobile applications are not timely or cost effective solutions immediately after a disaster either. This workshop will present real world examples from the weeks immediately following Hurricanes Irma and Maria in Puerto Rico to over a year beyond those disasters in the US Virgin Islands. Examples include supporting assessments for Category A & B Public Assistance to data management for permanent work projects. Highlighting multiple technology solutions and a team of developers and programmers, we discuss how we choose and select appropriate technology based on required capabilities to develop flexible technology solutions that can support virtually any project and can adapt as a project progresses to meet and fulfill changing requirements.

Moderator:

**Teresa Carter**, President, TCarter Consulting, NC

Speakers:

**"Flexible Mobile Field Data Collection for Debris and Damage Assessment"**

**John W. McEwen, PhD, GISP, Geospatial Analyst, APTIM, Baton Rouge, LA**

**"Adaptable Web-Based Data Management Applications for Puerto Rico STEP Program"**

**Ben Holt, GIS Manager, APTIM, Baton Rouge, LA**

**"Integrating Capabilities across Software Platforms for Emergency Home Repair Virgin Islands"**

**Tracey Shepherd, Senior IMS Analyst, APTIM**

## **J2 Insurance Workshop**

**"Last House Standing: Building Resilience on Purpose!"**

**Thursday, March 25, 2019**

**Time: 10:30 am to 12:00 pm**

**Location: Marlborough B**

We can build homes that survive devastating hurricanes. From the powerful image of the "Sand Castle" to the eight lesser known FORTIFIED homes that also survived, 2018 gave stark proof that wind resilience works -- at any price point. It takes vision, a hard look at the likely reality of increasingly powerful storms hitting vulnerable areas, and a commitment to building right the first time. This session will look at what building stronger means and show the financial incentives available to reduce losses and help people and communities survive catastrophic weather events. You will learn from professional contractors, engineers and mitigation specialists about building science receive practical steps to harden existing structures and get tips to help create a strong defense against hurricane winds.

Moderator/Speaker:

**Lynne McChristian**, Non-Resident Scholar, Insurance Information Institute, Champaign, IL

Speaker:

Susan Millerick, Senior Director of Media, Insurance Institute for Business & Home Safety, Burlington, CT

## **K2 Mitigation Workshop**

### **"Mitigation Reconstruction: Building a Resilient Housing Stock"**

Thursday, April 25, 2019

Time: 10:30 am to 12:00 pm

Location: Prince of Wales

Mitigation Reconstruction projects can benefit our communities in ways that Acquisition and Elevation projects can't. Although each project and property owner is unique and brings its own set of challenges, the program management techniques utilized can be streamlined to build new houses that exceed minimum flood code requirements and create a more sustainable housing community. The implementation model for the reconstruction (and elevation) program we implemented in Jefferson Parish, Louisiana could benefit other communities and demonstrates how new construction may be a more sustainable alternative to acquisition or elevation. The workshop will focus on the mechanisms used to encourage property owners to apply for grant funds; the techniques used to manage expectations, schedule, and budget; and will also display photos of some of the success stories implemented through FEMA funded Mitigation Reconstruction Projects.

Moderator:

**Leroy Thompson**, Sr. Hazard Mitigation Planner/Advisor, IEM, Tallahassee, FL

Speakers:

**Michelle Gonzales**, Director of Mitigation Programs, Rostan Solutions, Inc, Kenner, LA

**Melonie Ellzey**, CFM, Grants Management Consultant, Rostan Solutions, Inc, Kenner, LA

**CONCURRENT SESSIONS Thursday, April 25, 2019 1:30 pm to 3:00 pm**

## **A3 Meteorology Workshop**

### **"Recent Updates to Storm Surge Forecasting and Observations"**

Thursday, April 25, 2019

Time: 1:30 pm to 3:00 pm

Location: St. James Ballroom

This workshop will show recent updates to storm surge forecasting and products. This includes new Storm Surge Watches and Warnings and the expansion of storm surge risk maps to Puerto Rico, Hawaii, and Hispaniola. Expansion of the storm surge watches/warnings to Puerto Rico will be discussed, and uses of the storm surge risk maps to produce evacuation zones will also be presented. Lastly, the USGS will show how they are assisting in observing storm surge and providing post-storm assessments to the NWS/NHC.

Moderator:

**Cody Fritz**, Storm Surge Specialist, National Hurricane Center, Miami, FL

Speakers:

**"Future Plans for the NHC Storm Surge Program"**

**Jamie Rhome**, Storm Surge Team Lead, National Hurricane Center, Miami, FL

**"Use of NHC Storm Surge Products to Develop New Evacuation Zones"**

**Mike Sprayberry**, Director, North Carolina Department of Public Safety, Raleigh, NC

**"How Storm Surge is Measured by the USGS"**

**Athena Clark**, USGS Coastal Storm Team Leader, USGS, Montgomery, AL

**B3 Evacuation Planning Workshop**

**"Research on Evacuation Behavior in Recent Hurricanes"**

Thursday, April 25, 2019

Time: 1:30 pm to 3:00 pm

Location: Fulton

Findings from university-based research before and/or following recent hurricanes, including Harvey, Irma, and Florence will be presented, documenting what people did and why, factors influencing evacuation decisions, and implications for anticipating and influencing future implications.

Moderator:

**Donald Lewis**, Vice President, Atkins North America, Tallahassee, FL

Speakers:

**"Communicating and Measuring the Hazards Posed in High Impact Hurricane and Tropical Storms"**

**Laura Meyers**, Center for Advanced Public Safety, University of Alabama, Tuscaloosa, AL

**"A Study of Evacuation Decisions among Texas and Florida Residents during Hurricanes Harvey and Irma"**

**Roxane Cohen Silver**, PhD, Professor, Department of Psychological Science, University of California-Irvine, Irvine, CA

**"The Effects of Social Connections on Evacuation Decision making in Hurricane Irma"**

**Amy Polen**, Department of Oceanography and Coastal Sciences, Louisiana State University, Baton Rouge, LA

**C3 Mass Care Workshop**

**"Advances in the Use of Technology During Mass Care Responses"**

Thursday, April 25, 2019

Time: 1:30 pm to 3:00 pm

Location: Magazine

The revolution in information and communication through personal handheld devices has had a positive impact on the way in which voluntary agencies plan and execute mass care responses during large and small disasters. The hundreds and sometimes thousands of individuals on the ground in the affected area can now collect critical information that is transmitted, aggregated and displayed on maps so that decision makers can identify and prioritize resources. Voluntary agency representatives will present on the technology and processes used to gather and display this information, as well as how key data is shared with the broader community.

Moderator/Speaker:

**Michael Lee**, Emergency Assistance Unit Leader, FEMA, Washington, DC

Speakers:

**Brian Keenum**, Senior Director, DCS Business Infrastructure, American Red Cross, Fairfax, VA

**April D. Wood**, Senior Director, External Program Services, American Red Cross HQ, Edgewater, MD

**Darrin Gambino**, Information and Communications Systems Specialist, Emergency Disaster Services, The Salvation Army-Southern Territory, Atlanta, GA

### **D3 Business, Industry & Economic Resiliency Workshop**

#### **"Economic Recovery in Puerto Rico: Planning Disaster Recovery to Reverse Long-Term Economic Decline"**

**Thursday, April 25, 2019**

**Time: 1:30 pm to 3:00 pm**

**Location: Marlborough A**

Hurricanes bring with them not only physical destruction, but also economic disruption and contraction that can have an impact a region and its population for decades. But what are the impacts to a disaster-impacted area whose economy was already shrinking? Can the recovery actually catalyze the larger, more robust and resilient economy?

In this panel discussion, you will hear from key leaders who have been intimately involved in the planning of Puerto Rico's recovery after Hurricane Maria at the nexus of disaster recovery and economic development. They will share their thoughts and experiences regarding how pre-disaster economic development conditions impacted their post-disaster planning efforts, supporting a comprehensive roadmap for the recovery process.

Moderator:

**Chuck Banks**, Director, Guidehouse, LLP, Washington, DC

Speakers:

**Manuel Laboy Rivera**, Secretary, Dept. of Economic Development & Commerce, Government of Puerto Rico, San Juan, PR

**Riz Shah**, Partner, Guidehouse, LLP, Washington, DC

### **E3 Response Workshop**

#### **"Self-Care Practices During Hurricane Response Operations Presentation"**

**Thursday, April 25, 2019**

**Time: 1:30 pm to 3:00 pm**

**Location: Camp**

This workshop is designed to provide attendees with some self-care practices that can be used during operations and deployments.

Moderator:

**Dee Harrison, CEM, TEM, MCP**, Manager, Disaster Behavioral Health Services, Austin, TX

Speakers:

**Anthony H. Speier, PhD**, Associate Professor of Clinical Psychiatry, Louisiana State University Health Sciences Center, New Orleans, LA

**Troy Kimmel**, Senior Lecturer, Dept. of Geography and the Environment, University of Texas - Austin, Austin, TX

### **F3 Utilities Workshop**

#### **"Recovering Water Utilities After Hurricane Florence"**

**Thursday, April 25, 2019**

**Time: 1:30 pm to 3:00 pm**

**Location: Canal**

During a hurricane, water utilities can be impacted by damaged facilities, crippled distribution systems and power outages that render this critical asset unable to supply potable water to residents and businesses. Our presenter, who worked in the U.S. Virgin Islands in 2017, redeployed to the Carolinas after hurricane Florence. He will share his vast storm response experiences, identifying successes, and areas where water utilities can benefit from additional mitigation and preparedness.

Moderator:

**Anthony Hurley**, Chair, NHC Utilities Topic Committee, Georgetown, TX

Speaker:

**Gary LaForge, P.E.**, Witt O'Brien's

### **G3 Fire-Rescue/Law Enforcement Workshop**

#### **"Personnel Accountability and Member Welfare Initiative for Catastrophic Events"**

**Thursday, April 25, 2019**

**Time: 1:30 pm to 3:00 pm**

**Location: Commerce**

An extreme weather event has occurred, and agency personnel have not reported to work. Are they simply delayed or are they in need of assistance? Catastrophic events not only impact communities at large, but often have direct consequences for emergency responders and their families as well. Similar to a fire ground accountability system, confirming the status of department personnel after an extreme event is essential to the health and well-being of the emergency service agency.

Firefighters and emergency medical service personnel are on the front lines during and after catastrophic events. Prior to a catastrophic event, the use of predictive analytics will help emergency managers assess the threat or risk to department personnel. Furthermore, disaster preparedness should advise emergency responders how to maintain a family preparedness plan tailored to their duty obligations. Following a catastrophic event, a formalized personnel accountability system and member welfare initiative helps the agency maintain continuity of operations by addressing member needs. This

interactive workshop will discuss initiatives and challenges to promoting a culture of preparedness and accountability in emergency responder agencies.

Moderator:

**William Wagner, III**, Fire Chief (Retired), Islamorada, FL and Founder/CEO, Early Alert, Inc., Rome, GA

Speaker:

**Lt. Anna Schermerhorn**, Fire Lieutenant, NY Fire Department, Yonkers, NY

### **H3 Public Education/Media Workshop**

#### **"How the Media was Impacted by the Hurricanes of 2018"**

**Thursday, April 25, 2019**

**Time: 1:30 pm to 3:00 pm**

**Location: Jackson**

Several media outlets from radio, newspaper, and TV were in harm's way of Hurricanes Florence and Michael during the 2018 season. The storms disrupted power and the outlets ability to communicate to the public during a crucial disaster event. This session will include a recap of media representatives on how they prepared, responded, and recovered from the Storms of 2018.

Moderator:

**Greg Padgett**, Senior Associate, Media Relations-Community Outreach, ICF Next, Woodstock, GA

Speakers:

**Joby Smith**, EM Division Chief, Bay County Emergency Services, Panama City, FL

**Scott Kirkman**, Station Manager, WKGC 90.7 FM Radio, Gulf Coast State College, Panama City, FL

**Chris Smith**, Chief Meteorologist, WJHG-TV, Panama City, FL

### **I3 Recovery Workshop**

#### **"Leveraging Lessons Learned from Katrina in Recovery from Maria: A Partnership of the Unlucky"**

**Thursday, April 25, 2019**

**Time: 1:30 pm to 3:00 pm**

**Location: Royal**

We all talk about leveraging resources in recovery, but how do you actually do it? How do you access and use the help that's available after a catastrophic disaster? How do you know who to ask for help? Specific topics include:

- Setting the stage: Similarities and differences between Louisiana/Katrina and Puerto Rico/Maria
- Effectively using the help that's offered: The importance of peer-to-peer mentoring in recovery
- Recovery funds optimization: More money, more (good) problems
- An avalanche of data: How can you effectively use it to make better recovery decisions?



- Managing expectations: Why aren't y'all done with recovery yet?

Speaker:

**Jose L. Valenzuela, MSEM, CFM**, State Hazard Mitigation Officer, Central Office for Recovery, Reconstruction & Resiliency, San Juan, PR

### **J3 Engineering Workshop**

#### **"Building Performance after Recent the Hurricanes"**

Thursday, April 25, 2019

Time: 1:30 pm to 3:00 pm

Location: Marlborough B

The FEMA Mitigation Assessment Team (MAT) Program is managed by the Building Science Branch at Headquarters. Following a natural disaster, the team conducts field assessments and makes technical observations on the performance of buildings subjected to the effects of the natural hazard event. The MAT's observations are used to recommend changes to building codes and standards groups, prepare recovery advisories, gather information to improve guidance and influence construction practices during repair, support the integration of hazard mitigation measures into the repair process, provide technical assistance related to code and standards, and contribute to research efforts. Most recently, FEMA sent teams to Texas, Florida, Puerto Rico, the US Virgin Islands, and North Carolina. This presentation will provide a summary of lessons learned from the 2017 and 2018 Hurricanes with respect to building performance as well as illustrate the impact code adoption and enforcement had on reducing damage. This presentation will also highlight several outreach items resulting from the MATs including recovery advisories, an updated guide comparing NFIP and I-Codes requirements, and residential prescriptive standards in the USVI.

The second presentation will answer the question "Have recent code modifications made a difference in roofing performance?" This presentation will cover the Roofing Industry Committee on Weather Issues (RICOWI) investigations of roof performance after Hurricanes Irma and Michael. The teams investigated roofing system types that were typical of the Panama City area and Florida Keys. The objective was to determine causes of damage and performance of roofs by age. It appears that Hurricane Michael had wind speeds that were greater than code design requirements.

Moderator:

**TBA**

Speakers:

**Daniel Bass**, Architect, FEMA Building Science Branch, Arlington, VA

**David Roodvoets**, Consultant, RICOWI, Montague, MI

### **K3 Mitigation Workshop**

#### **"Building Resilient Infrastructure and Communities - Implementing the Disaster Recovery Reform Act of 2018"**

Thursday, April 25, 2019

Time: 1:30 pm to 3:00 pm

Location: Prince of Wales

On Oct. 5, the Disaster Recovery Reform Act of 2018 (DRRA) was signed into law as part of the Federal Aviation Administration Reauthorization Act of 2018. FEMA worked closely with Congress over 2018 as they considered, and ultimately passed, important reforms to federal disaster programs. These reforms acknowledge the shared responsibility of disaster response and recovery, aiming to reduce the complexity of FEMA and build the nation's capacity for the next catastrophic event.

During this discussion FEMA will take a deep dive into DRRA Section 1234: National Public Infrastructure Pre-Disaster Hazard Mitigation. This section authorizes the National Public Infrastructure Pre-Disaster Mitigation fund, which will be funded as a 6 percent set aside from disaster expenses, to allow for a greater investment in mitigation before a disaster. Discussion will include where FEMA is in the process of implementing a new pre-disaster mitigation program as a result of Section 1234, titled *Building Resilient Infrastructure and Communities (BRIC)*. FEMA will also seek input from attendees on specific topic areas related to the implementation of BRIC.

Moderator:

**Leroy Thompson**, Senior Hazard Mitigation Planner/Advisor, IEM, Tallahassee, FL

Speaker:

**Eric Letvin**, Deputy Assistant Administrator, Mitigation Directorate, Federal Insurance and Mitigation Administration

**CONCURRENT SESSIONS      Thursday, April 25, 2019      3:30pm to 5:00 pm**

#### **A4 Meteorology Workshop**

**"Hurricane Forecast Improvement Project and the Weather Act: What's Next from the NHC"**

**Thursday, April 25, 2019**

**Time: 3:30 pm to 5:00 pm**

**Location: St. James Ballroom**

This workshop will cover the accomplishments during the past 10 years of the Hurricane Forecast Improvement Project and discuss the re-established goals of the project over the next 5 to 10 years. The session will also discuss recently modelling efforts within the NWS and the challenges of 6- and 7-day hurricane forecasts. New social science studies looking at NWS/NHC products and communication will be introduced.

Moderator:

**TBA**

Speakers:

**"Review of NHC's 6- and 7-Day Forecasts"**

**John Cangialosi**, Senior Hurricane Specialist, National Hurricane Center, Miami, FL

**"Modelling Upgrades & Future Plans"**

**Eric Blake**, Hurricane Specialist, National Hurricane Center, Miami, FL

## **"Hurricane Forecast Improvement Project: Past and Future Work"**

David Zelinsky, Hurricane Specialist, National Hurricane Center, Miami, FL

## **"What's Next from NHC: Social Science Work to Help Guide the Way"**

Robbie Berg, Hurricane Specialist, National Hurricane Center, Miami, FL

## **B4 Evacuation Planning Workshop**

### **"Should I Stay or Should I Go? Sometimes it's Not a Simple Decision"**

Thursday, April 25, 2019

Time: 3:30 pm to 5:00 pm

Location: Fulton

For years public safety and elected officials have struggled to ensure that citizens in hurricane evacuation zones head to higher ground when there is a threat of life-threatening inundation from storm surge. However, despite public messaging campaigns such as "Know your Zone", advances in storm surge forecasting and forecast products, and the hard lessons learned from storm to storm there continues to be members of the public that do not evacuate. While many in the emergency management enterprise rightfully express frustration over those that "choose to ride out the storm", new research looking at some of the most recent hurricanes (such as Florence and Michael) reveals that the decision to stay or go can be a complicated one. Experts in the fields of behavioral science, meteorology and emergency management will discuss these findings and explore some possible new ways to encourage people to evacuate.

Moderator:

**Donald E. Cresitello**, Senior Coastal Planner, US Army Corps of Engineers - North Atlantic Division, Brooklyn, NY

Speakers:

**Jay Baker**, Professor Emeritus, Department of Geography, Florida State University, Tallahassee, FL

**Sam Hodge**, Director, Georgetown County Emergency Management, Georgetown, SC

**Dr. Rick Knabb**, Hurricane Expert, The Weather Channel, Atlanta, GA

**Roxane Cohen Silver, PhD**, Professor, Department of Psychological Science, University of California-Irvine, Irvine, CA

## **C4 Mass Care Workshop**

### **"Community Based Long Term Feeding after Hurricane Michael"**

Thursday, April 25, 2019

Time: 3:30 pm to 5:00 pm

Location: Magazine

A pilot program was developed during the Hurricane Michael Response to support a long term feeding program for rural, financially disadvantaged community members who were impacted by the disaster. The Florida SERT Mass Care Coordinator formed a Feeding Task Force to tackle the problem of long term feeding after the volunteer kitchens had to demobilize and release their volunteers. Working with school superintendents, county emergency managers, local food banks, and community/faith based partners a long term feeding program was developed that allowed the community to support

their citizens with minimal logistical support from their State and Federal partners. The objective of this pilot program is a program that can be replicated across the country when other rural, economically disadvantaged communities are impacted in a similar manner.

Moderator:

**Shanti Copeland**, Disaster Management Services, APTIM, Jacksonville, FL

Speakers:

**Dexter Harris**, Emergency Coordinating Officer, ESF 11, FL Dept of Agriculture & Consumer Services, Tallahassee, FL

**Robin Safley**, Executive Director, Feeding Florida, Tallahassee, FL

[Steve Hortin](#), Director, Office of Emergency Management, USDA, Food & Nutrition Services, Alexandria, VA

### **D4 Business, Industry & Economic Resiliency Workshop** **"Advanced Tornado Detection Technology"**

**Thursday, April 25, 2019**

**Time: 3:30 pm to 5:00 pm**

**Location: Marlborough A**

Learn about the latest in the advancement of tornado detection technology and how it is being used to save lives every day.

Moderator:

**Justen Noakes**, Director of Emergency Preparedness, HEB Corporation, San Antonio, TX

Speakers:

**Richard Carlisle**, Chief Technology Officer, Vulcan Technologies, Valrico, FL

**Hans K. Wagner**, CPM, Early Alert, Inc. & All Hazard Training, Palm City, FL

### **E4 Response Workshop**

#### **"Veterans Affairs Emergency Response Assets and Capabilities"**

**Thursday, April 25, 2019**

**Time: 3:30 pm to 5:00 pm**

**Location: Camp**

Informational round table discussion on the deployable assets integral within the US Department of Veterans Affairs, Veterans Health Administration. Discussion will include descriptions and photos of the assets, their capabilities and resources, examples of their usage in deployment operations, and how federal, state, and local emergency response agencies can access them.

Moderator:

**Chip Patterson**, Patterson and Associates, LLC/Southern Disaster Recovery, Jacksonville, FL

Speaker:

**Richard Rhodes**, Area Emergency Manager, Office of Emergency Management, Veterans Health Administration, Tampa, FL

#### **F4 Utilities Workshop**

##### **"Damage Assessment Technologies"**

Thursday, April 25, 2019

Time: 3:30 pm to 5:00 pm

Location: Canal

Technologies are playing a larger part in disaster response, especially in damage assessment processes. From the use of drones, to the instantaneous availability of information, to the advancements being made in GIS mapping, technologies have proven invaluable in response to recent hurricanes. Our presenter, formerly with the Electric Power Research Institute (EPRI), is a leader in the advancement of technologies, will highlight some of these technologies, but more importantly how these technologies can be used to advance our disaster response capabilities.

Moderator:

**Anthony Hurley**, Chair, NHC Utilities Topic Committee, Georgetown, TX

Speaker:

**Scott Sternfield**, Chief Technology Officer, Agile Inclusion, Inc.

#### **G4 Fire-Rescue/Law Enforcement Workshop**

##### **"Field Data for Fire and EMS Departments- Challenges with Offline and Online Collection"**

Thursday, April 25, 2019

Time: 3:30 pm to 5:00 pm

Location: Commerce

Fire and EMS Communities face a variety of challenges related to the timely dissemination of information and data from field operations, especially post hurricane impact. This panel will focus on the challenges with obtaining and submitting field data in areas with connectivity vs areas without. We will highlight different technologies, tools and solutions that could be implemented and utilized.

Moderator:

**William Wagner, III**, Fire Chief (Retired), Islamorada, FL and Founder/CEO, Early Alert, Inc., Rome, GA

Speaker:

**Brian Head**, Executive Director, Cobleskill Fire Department, Cobleskill, NY

#### **H4 Public Education/Media Workshop**

##### **"The Persistent Effects of Natural Disasters on Opioid Deaths"**

Thursday, April 25, 2019

Time: 3:30 pm to 5:00 pm

Location: Jackson

This workshop will be highlighted by research from Penn State University and Texas A&M showing drug-overdose fatalities increase after major disasters in the United States, and this after controlling for major socioeconomic and demographic determinants of substance related mortality. There are multiple channels through which disasters can exacerbate the substance dependence including: Disaster experience (i.e., financial loss, loss of immediate family member), physical injuries and subsequent decline in emotional wellbeing that may manifest in the long-term are just a few obvious links that may lead to emergence or continuation of drug dependency. Additionally, an overview of New Orleans Opioid prevention program, an update from the state of Louisiana, and resources from the CDC will be shared.

Moderator/Speaker:

**Greg Padgett**, Senior Associate Media Relation-Community Outreach, ICF Next, Woodstock, GA

Speakers:

### **"Opioid Use After Disasters Research Findings"**

**Meri Davlasheridze, PhD**, Assistant Professor, Dept of Marine Sciences, Texas A&M University-Galveston, Galveston, TX

**Rochelle Head-Dunham, MD, FAPA**, Executive/Medical Director, Metropolitan Human Services District, New Orleans, LA

**Laura Mellem**, Deputy Director, Mayor's Neighborhood Engagement Office, City of New Orleans, New Orleans, LA

### **I4 Recovery Workshop**

#### **"Lessons Learned from Administering the FEMA STEP (Sheltering and Temporary Essential Power) Program after Hurricanes Marie and Irma"**

**Thursday, April 25, 2019**

**Time: 3:30 pm to 5:00 pm**

**Location: Royal**

This session aims to educate emergency management professionals on the intricacies of the FEMA STEP Program. Participants will explore the following:

- Program Facts
- Benefits of STEP vs other temporary housing options
- How to determine if STEP is the best program for your community
- Prepositioning for STEP prior to a disaster
- Procurement requirements
- Program management
- Implementation steps
- Lessoned learned and best practices gained from managing the programs in Puerto Rico and Monroe County

Speakers:

**Daniel Craig**, Senior Vice President, Tidal Basin, Inc., Utica, NY

**Andre LeBlanc**, Housing Program Manager, Tidal Basin, Inc., Utica, NY

## **J4 Insurance Workshop**

### **"Fixing Floods: Private vs Public Flood Insurance Options"**

**Thursday, April 25, 2019**

**Time: 3:30 pm to 5:00 pm**

**Location: Marlborough B**

Since 1968, the federal government has provided insurance protection through the National Flood Insurance Program (NFIP). Decades of government subsidies of flood risk removed incentives to mitigate damage, and an overreliance on post-disaster government assistance made it possible for communities to rebuild in vulnerable areas without a strategy to prevent another catastrophic flood loss. However, it has now become harder for property owners to refuse flood-mitigation measures. And, that has brought options to the NFIP to the forefront. Now, private insurers are entering the market and represent about 15 percent of all flood premiums nationwide. As Congress debates flood insurance reforms and deadlines for extensions of the NFIP continue to be made, the private market is becoming increasingly attractive to homeowners and businesses who want insurance protection they can depend upon. This panel discussion weighs the pros and cons of the private vs. public model for flood insurance and looks at what the implications may be for the government program in a future.

Moderator:

**Lynne McChristian**, Non-Resident Scholar, Insurance Information Institute, Champaign, IL

Speaker:

**Dwayne T. LeBlanc**, **CIC, CRM, CPCU, ANFI**, VP of Business Development, Wright National Flood Insurance Services, LLC, St Petersburg, FL

**Kara Moore**, Louisiana Flood Plain Management Association

## **K4 Response Workshop**

### **"Air Traffic Security and TFRs During Disasters"**

### **"How to Obtain Airspace Waivers to Enter TFRs During Disasters"**

**Thursday, March 29, 2018**

**Time: 3:30 pm to 5:00 pm**

**Location: Prince of Wales**

The first presentation gives background on the FAA's decision making and legal process for issuing Temporary Flight Restrictions (TFRs) prior to, during and in the aftermath of man-made and natural disasters. The audience will learn about the various groups within the FAA that are dedicated to ensuring safety and security during events that require the issuance of flight restrictions. They will be informed of the System Operations Support Center (SOSC) that is operational 24/7 to respond to the needs of the National Airspace System (NAS) and the flying public. They will learn of the various types of TFRs and when they are published. They will then be informed about how to request entrance to conduct flight operations of the manned and unmanned variety.

The next presentation will deal with airspace waivers, specifically for UAS operations. They will learn of the current process, including restrictions and limitations. We will describe how to obtain waivers through online portals and in the event of emergencies. We will share the emergency form and contact information. We also plan to have handout of the pertinent information from both of our presentations.

Speakers:

**Kelly Fleming**, Air Traffic Controller, Federal Aviation Administration, Washington, DC

**Michael Sheldon**, Air Traffic Security Specialist, Federal Aviation Administration, Washington, DC