



NATIONAL DISASTER RESILIENCE CONFERENCE

Twenty-Five Years of Resilience

Presented by: Federal Alliance for Safe Homes (FLASH)

Monday, November 6, 2023

<p>11:30 a.m. – 1:00 p.m.</p>	<p>Concurrent Council Meetings and Luncheon (Council Members & Invited Guests)</p> <p><i>Consumer Outreach Council, Egret – 3rd floor</i></p> <p><i>Resilience Policy Council, Sandpiper – 3rd floor</i></p> <p><i>Technical Advisory Council, Pelican – 3rd floor</i></p>
<p>12:00 p.m. – 1:30 p.m.</p>	<p>Exhibits Open</p> <p><i>Dunes Foyer, Dunes Ballroom I-V, Lobby Level</i></p>
<p>1:30 p.m. – 5:00 p.m.</p>	<p>Opening General Session</p> <p><i>Dunes Ballroom I-V, Lobby Level</i></p>
<p>Welcome Remarks by Eric Vaughn, Executive Vice President - FLASH</p>	
<p>Keynote Presentation - Leadership Voices</p> <p><i>Leslie will open the conference with a tribute to the 25-year FLASH Partnership and a review of milestones, progress, and recent events in the disaster safety and resilience movement. Her address will set the tone for the conference by offering a roadmap on how the attendees can drive meaningful change through new collaborations, innovation, and partnerships.</i></p> <p>Presenter: Leslie Chapman-Henderson, President and CEO – FLASH</p> <p><i>#Leadership #Partnership #Outreach #Education</i></p>	
<p>Panel Presentation - Innovations in Wildfire Response: Titanium Sponsor - USAA</p> <p><i>The USAA Wildfire Response Program partners with RedZone, Capstone Fire and Safety Management, and Chloeta to help USAA members protect their homes when a wildfire threatens their property. This signature NDRC presentation will provide insight into how this innovative program works today and provide a glimpse into the future of wildfire response.</i></p> <p>Moderator: Lance Bradford – Program Manager, USAA (<i>Titanium Sponsor</i>)</p> <p>Presenters:</p> <ol style="list-style-type: none"> 1. Clark Woodward, Founder and CEO - RedZone 2. Matt Dusa, VP, Innovative Practices - Global Medical Response (<i>Parent company of Capstone</i>) 3. Bryan Masters, SVP Business Performance – Chloeta <p><i>#Leadership #Engineering #Wildfire</i></p>	

Panel Presentation - FEMA Hurricane Ian Mitigation Assessment Team (MAT) Report

This presentation will provide an updated summary of observations and lessons learned from the FEMA Hurricane Ian MAT with respect to building performance and will illustrate the impact that code adoption and enforcement, as well as floodplain management practices, had on reducing damage.

Presenters:

1. **Dan Bass, RA, CFM**, Architect, Building Science Disaster Support Program Manager - FEMA
2. **Manny Perotin, P.E., PMP, CFM, Associate** – Civil Engineer – CDM Smith

#Education #Engineering #Hurricane

Break - Dunes Foyer

Exhibits Open - Dunes Foyer, Dunes Ballroom I-V, Lobby Level

Spotlight Presentation - It Takes a Village: The Importance of Coalitions in Achieving Resilience

Dottie will share the work of the Coalition for Current Safety Codes and its many members who support the adoption and enforcement of high-quality model codes and standards. She will highlight case studies of recent successes along with challenges and one very disappointing failure in a critical state with high disaster risk. This presentation will make the case for all disaster safety and resilience stakeholders to answer a call to action to take time to support codes and effective code administration.

Presenter: Dottie Mazzarella, Vice President, Government Relations - International Code Council (*Gold Sponsor*)

#Leadership #Policy

Keynote Presentation - Leadership Voices: The Latest from the Insurance Institute for Business and Home Safety (IBHS) Research Center

Join us as we welcome back Dr. Cope for her annual NDRC update from the IBHS research center, where she leads research into damage caused by hurricanes, tornadoes, wildfires, and severe weather. Learn about the latest insights and findings from one of the only full-scale research centers in the world.

Presenter: Dr. Anne Cope, Chief Engineer - IBHS (*Bronze Sponsor*)

#Partnership #Engineering

Daily Wrap-Up & Closing Remarks by Eric Vaughn, Executive Vice President - FLASH

Welcome Networking Dinner and Reception

Celebrating Twenty-Five Years of Collaboration and Partnership

Dunes Ballroom I-V, Lobby Level

Exhibits Open – Dunes Foyer, Dunes Ballroom I-V, Lobby Level

Join us for the annual NDRC casual networking dinner featuring food stations with delicious local fare. This year's event will include recognition of new and emerging voices as well as the 25-year Founding and Legacy partners in the disaster safety and resilience movement.

Tuesday, November 7, 2023

8:30 a.m. – 5:00 p.m.

General Session - Dunes Ballroom I-V, Lobby Level

Opening Remarks by Eric Vaughn, Executive Vice President - FLASH

Spotlight Presentation and Interactive Discussion – How will (should) Artificial Intelligence Impact the Disaster Safety and Resilience Movement?

Learn how technologies like AI and machine learning are transforming society in both good and challenging ways. Following the presentation, join the dialogue to capture emerging practices and incubate new ideas to leverage these powerful tools to improve disaster preparedness, response, recovery, and mitigation.

Moderator: Dr. Rick Knabb, Hurricane Expert, and Tropical Program Manager - *The Weather Channel*

Presenters: Dr. David Ryglicki, Principal Scientist and Director of Data Products - *MyRadar*

#Outreach #Science

Panel Presentation: Strong Homes - Affordable, Resilient Retrofits and Recovery

State leaders throughout the southeast increasingly offer residential retrofitting and recovery programs to strengthen and restore homes in harm's way. This panel of program leaders will cover both "blue sky" and post-disaster recovery building and retrofitting programs that are driving increased residential resilience, especially for our most vulnerable citizens.

Moderator/ Presenter: Eric Vaughn, Executive Vice President - *FLASH*

1. **Jennifer Armand**, Executive Director - Bayou Community Foundation
2. **Tim O'Neil**, Outreach Director - My Safe Florida Home Program

#Partership #Practice

Spotlight Presentation - Supporting Cities and Enhancing Their Resilience

Katie will discuss how funding made available under the Bipartisan Infrastructure Law can give local leaders the ability to tackle residential infrastructure projects and promote resilience.

Presenter:

1. **Katie Dailinger**, Project Director, Local Infrastructure Hub - National League of Cities

#Partnership #Practice

Break - Dunes Foyer

Exhibits Open - Dunes Foyer, Dunes Ballroom I-V, Lobby Level

Panel Presentation - Advancing Resilience Before, During and After the Disaster: Public and Private Partner Initiatives

This panel of experts will share a series of insights on diverse programs from federal, state, and local governments as well as the private sector. Don't miss this opportunity to hear about best practices from these leaders that you can take home and use to increase your organizational resilience.

Moderator: Bryan Koon, Vice President of Homeland Security and Emergency Management - *IEM*

Presenters:

1. **Matthew Gerrek**, Exercise Program Manager - FEMA's National Exercise Division
2. **Kristin Lentz**, Mitigation Planning Unit Manager - Florida Division of Emergency Management
3. **Heather Lagrone**, Senior Deputy Director - Texas General Land Office
4. **Jacinthe A Galpin**, Senior National Installation Merchant - Lowe's Companies Inc. (*Gold Sponsor*)

#Partnership #Practice

Spotlight Presentation - The FIU “WOW” Factor

Erik, a 2023 National Weatherperson of the Year finalist, will join us to share how the Extreme Events Institute’s International Hurricane Research Center at Florida International University is dedicated to making South Florida and beyond ready, responsive, and resilient with the Wall of Wind (WOW). Learn the history of WOW and all the exciting research planned for the future.

Presenter: Erik Salna, Meteorologist and Associate Director of Education and Outreach - FIU Extreme Events Institute

#Education #Science #Hurricane

Luncheon & Keynote Presentation - Building a Safer Future with Lessons from Hurricane Ian

This year’s luncheon will feature Matt Devitt, who will use his exceptional storytelling skills to share his riveting experience before, during, and after Hurricane Ian. Prepare to be inspired by the story of his family and colleagues at the station and learn how they and the Southwest Florida community are rebuilding and recovering a year later.

Presenter: Matt Devitt, Chief Meteorologist – Wink News, Fort Myers, FL

#Outreach #Hurricane

Panel Presentation - Introducing the Retrofitting Playbook and Resilience Resource Guide

This panel will feature FLASH and NAIC partners for a discussion of their new playbook and resource guide based on research conducted with state insurance commissioners. The playbook provides best practices in building code policy leadership, construction standards, research, risk communication, program management software, and more. A research project funded by the Robert Wood Johnson Foundation helped identify solutions outlined in the playbook to help leaders accelerate retrofitting programs in disaster-prone states.

Presenters: TBA

#Leadership #Policy

Spotlight Presentation - Available and Affordable: Future-Proofing Access to Insurance Through Building Codes

Insurance may not always be the first consideration for building owners and homeowners, but it is the most powerful financial tool in mitigating the financial impact of catastrophic events. Building codes have a direct impact on the hardness of homes, the resiliency of community infrastructure, and also play an important role in ensuring the availability and affordability of property insurance. Ramya is returning to NDRC to discuss these concepts in the context of Hurricane Ian and other recent disasters.

Presenter: Ramya Sunad CPCU, ARM-E, Product Management Director - USAA (Titanium Sponsor)

#Education #Flood #Hurricane

Panel Presentation - Learning from Disasters: Advancing Building Codes and Breaking Down Barriers

FEMA and other federal agencies are engaged in the White House National Initiative to Advance Building Codes to encourage state, local, Tribal, and territorial governments to adopt and enforce modern building codes to address climate and disaster risk. Panelists will highlight federal assistance programs such as the Building Resilient Infrastructure and Communities and Community Development Block Grant that provide billions of dollars to communities. They will share examples of how collaboration supports risk reduction across all levels of government, nonprofits, community-based organizations, private businesses, industries, and academic institutions.

Moderator/Presenter: Edward Laatsch, Chief, Building Science Branch - FEMA

Presenters: TBA

#Leadership #Policy

Break - Dunes Foyer

Exhibits Open - Dunes Foyer, Dunes Ballroom I-V, Lobby Level

Keynote Presentation - Leadership Voices: Moving Tornado-Resistant Design into Standard Engineering Practice

At NDRC21, Dr. Levitan shared the impacts of a decade of tornado R&D at NIST, which resulted in the first-ever tornado load requirements being incorporated in the ASCE 7-22 Standard for Minimum Design Loads on Buildings and Other Structures. However, to impact practice, the standard must be adopted into model codes as well as federal, state, and local building codes.

In this presentation, he will share good news about the progress towards these goals, information on new and forthcoming tools to aid stakeholders, decision-makers, and designers in understanding tornado risk, the impacts of the new tornado load requirements, and how to apply these requirements in tornado load design.

Following his presentation, Marc will sit down with John Zarrella to discuss different hurricane windspeed measurement processes, their applications, and how we can enhance public understanding to avoid confusion. Their conversation will introduce a broader discussion by the Media and Weather Panel on Wednesday.

Presenters:

1. **Marc Levitan, Ph.D., F.SEI**, Lead Research Engineer for the National Windstorm Impact Reduction Program - National Institute of Standards and Technology
2. **John Zarrella**, President JZ Media, Former CNN correspondent, and FLASH Board Advisor

#Education #Science #Engineering #Tornado

Panel Presentation - Fixing Seattle's Bricks: Developing a Mandatory Seismic Retrofit Ordinance

With more than 1,100 unreinforced masonry buildings and structures that are vulnerable to collapse in an earthquake, Seattle is working to reduce its earthquake vulnerability through a complex balance of public safety, affordable housing, and historic preservation. By developing a minimum retrofit standard and mandatory retrofit ordinance, they hope to increase safety for the families, individuals, and businesses occupying these vulnerable structures. NDRC attendees will gain insight into the technical aspects of seismic resilience and the social and equity implications associated with the new ordinance.

Presenters:

1. **Amanda Hertzfeld**, Unreinforced Masonry Retrofit Program Manager - City of Seattle
2. **Kevin Solberg, P.E., S.E.**, Structural Plans Engineer - City of Seattle

#Practice #Engineering #Earthquake

Keynote Presentation - Leadership Voices

David is returning to NDRC with an update on wildfire support services at WDS as well as their latest near- and long-term programs to mitigate residential losses. As an environmental engineer, he will provide a unique perspective on our nation's wildfire risk challenges.

Presenter: David Torgerson P.E., CEO and Founder - Wildfire Defense Systems, Inc.

#Leadership #Engineering #Wildfire

Daily Wrap-Up & Closing Remarks by Eric Vaughn, Executive Vice President - FLASH

Wednesday, November 8, 2023

7:30 a.m. – 8:30 a.m.

Breakfast - Dunes Ballroom I-V, Lobby Level

8:30 a.m. – 12:00 p.m.

General Session - Dunes Ballroom I-V, Lobby Level

Opening Remarks by Eric Vaughn, Executive Vice President – FLASH

Panel Presentation - *Post-Disaster Shelter Needs*

The February 2023 M7.8 earthquake in Southeast Turkey and Northern Syria struck 13 million residents, causing the loss of more than 50,000 lives and devastation of entire communities. Approximately 250,000 buildings suffered collapse or damage that required demolition. Faulty design and construction practices and severe shaking created this tragedy with critical lessons for our nation.

This panel will provide first-hand observations from the field in Turkey. Presenters will cover re-housing efforts, post-disaster safety evaluation tools developed by FEMA that assist in building re-occupancy for business continuity and shelter, and an overview of concepts in development for new building design.

Moderator: Dr. David O. Prevatt, Structural Engineering Professor - University of Florida

1. **Ayse Hortacsu**, Director of Projects - Applied Technology Council
2. **Christina Aronson PE, SE**, Structural Engineer, National Earthquake Hazards Reduction Program (NEHRP) - FEMA
3. **Katherine “Jo” Johnson**, Social Scientist - National Institute of Standards and Technology

#Education #Engineering #Earthquake

Spotlight Interview - *Project HORIS for Disaster Resilience*

John and Sarvesh will explore the development of Project HORIS. Project HORIS serves to catalyze the addition of new consumer-facing hazard alerting products for the MyRadar app that will improve early detection and nowcasting for wildfire-related hazards, advancing the cause of safer families and stronger homes.

Presenters:

1. **John Zarrella**, President JZ Media, Former CNN correspondent, and FLASH Board Advisor
2. **Sarvesh Garimella - Ph.D.**, Chief Scientist & Chief Technology Officer at MyRadar/ACME AtronOmatic, LLC

#Outreach #Science #Wildfire

Panel Presentation - *Financing Resilience*

This panel will feature presentations and discussions about economic incentives, funding, and assistance available at the local, state, and federal levels from both the public and private sectors. They will highlight the benefits of building strong, resilient homes and finding resources to do so.

Presenters:

1. **Dolores Rowen**, Lead Public Affairs Specialist - U.S. Small Business Administration
2. **Ashok Samuel Sunderraj PE, MS**, Program Analyst, Policy, Tools, and Training Branch. Mitigation Division - FEMA
3. **Leah Wiggs**, Vice President of Government Affairs - Renew Financial (*Gold Sponsor*)

#Leadership #Practice

Break - Dunes Foyer

Exhibits Open - Dunes Foyer, Dunes Ballroom I-V, Lobby Level

Keynote Presentation - Leadership Voices

Jamie will highlight, compare, and offer lessons learned from two Gulf of Mexico “I” storms, Hurricane Ian and Hurricane Idalia, along with a snapshot of the 2023 season as it draws to a close. His precise analysis, keen insights, and ideas for continued collaboration are always invaluable to the disaster safety and resilience community, making this a must-see presentation.

Presenter: Jamie Rhome, Deputy Director - National Hurricane Center

#Leadership #Science #Hurricane

Leadership Voices - Media and Weather

This powerhouse roundtable will feature broadcasting, meteorology, and weather forecasting experts. They will discuss one of the most destructive storms to menace the United States in decades, record-breaking wildfires, and how risk communication can enhance understanding of different hurricane windspeed measurement processes and their relevance for building codes, engineering, and public safety messaging.

Moderator: Mark Taylor, Head of Business Development & Strategic Partnerships – MyRadar

Presenters:

1. **Jim Cantore***, Meteorologist & Co-Host of America's Morning Headquarters - *The Weather Channel*
2. **Matthew Cappucci**, Meteorologist - *MyRadar, Capital Weather Gang, and FOX5 DC*
3. **Matt Devitt**, Chief Meteorologist - *Wink News, Ft Myers, FL*
4. **Amy Freeze**, Meteorologist - *FOX Weather*
5. **Alex Garcia**, Chief Meteorologist - *KABB-TV, San Antonio, TX*
6. **Dr. Rick Knabb**, Hurricane Expert & Tropical Program Manager - *The Weather Channel*
7. **James G. LaDue**, Acting Director: NIST National Windstorm Impact Reduction Program, NWS Warning Decision Training Division
8. **Erica López**, Meteorologist - *MyRadar*
9. **Jamie Rhome**, Deputy Director - National Hurricane Center
10. **Erik Salna**, Meteorologist and Associate Director of Education and Outreach - *FIU Extreme Events Institute*

**Invited*

#Outreach #Earthquake #Flood #Hurricane #Tornado #Wildfire

Closing Remarks by Leslie Chapman-Henderson, President and CEO - FLASH

Leslie will recap the conference highlights and deliver a call to action for the FLASH Partnership.

#Keywords indicate the following:

- Strategic Plan Focus Areas – Leadership, Partners, Outreach, and Education
- NDRC Programmatic Focus Areas – Science, Policy, Practice, and Engineering
- Weather and Peril Focus Areas – Earthquake, Flood, Hurricane, Tornado, Wildfire