



2023

ANNUAL CONFERENCE  
SAVANNAH, GA

**EDEN**

EXTENSION DISASTER EDUCATION NETWORK



# SPECIAL THANKS TO OUR SPONSORS



National Institute of Food and Agriculture  
U.S. DEPARTMENT OF AGRICULTURE



Epsilon Sigma Phi  
The Extension Professionals' Organization



Georgia Association of  
County Agricultural Agents



National Extension Association  
of Family and Consumer Sciences  
Georgia Affiliate



UNIVERSITY OF GEORGIA  
EXTENSION

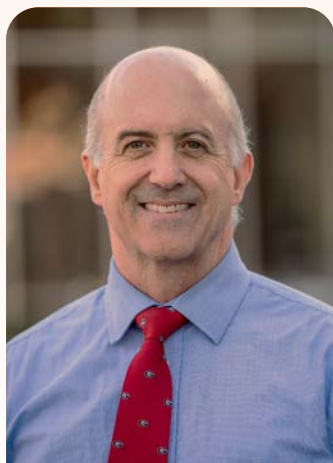


MISSISSIPPI STATE UNIVERSITY™  
EXTENSION



Center for  
Public Issues Education

# CONFERENCE WELCOME



**CONFERENCE  
CHAIR**

2023 EDEN Conference Attendees:

**Welcome to beautiful Savannah, Georgia! We are honored to host the National Extension Disaster Network Conference and are happy to have such a dedicated group of professionals come together to learn, grow, and network together.**

The goal of the National Extension Disaster Education Network (EDEN) Conference is to foster a system of Land Grant extension professionals, researchers, local/state/federal agencies, and others interested in sharing research, resources, expertise, and best practices supporting emergency preparedness. Tackling current issues affecting communities and strategizing how EDEN can better serve its stakeholders is a key focus of this group.

We are excited to have the opportunity to demonstrate sustainable best practices in Georgia through workshops before, during, and after the conference. We expect over 130 participants will gain new knowledge and skills that they can implement in their destinations and through their research and Extension programming. Please let us know what suggestions you have for the next EDEN Conference planned for October 22-25, 2024, in Salt Lake City, Utah.

Thanks, y'ALL!

**Mike Martin**

*2023 EDEN Conference Chair*

Director of County Operations, UGA Cooperative Extension

# CONFERENCE SCHEDULE

## MONDAY

**3:00 PM - 5:00 PM**    **Conference Registration**  
*Hotel Lobby*

## TUESDAY

**7:00 AM - 9:00 AM**    **Conference Registration**  
*Hotel Lobby*

## EDUCATIONAL EXCURSIONS

**7:30 AM**    Tour Participants Meet for Educational Excursions  
Gather in the hotel lobby by 7:30 AM to check in for educational excursions. Board Buses by 7:45 AM and depart for Tybee Island promptly by 8:00 AM. All excursion participants will travel to coastal resiliency project sites on Tybee Island. We encourage all attendees to bring a reusable water bottle. Water, soft drinks, and breakfast items will be available on the bus.  
*Hotel Lobby*

**8:00 AM**    Depart for Education Excursion

**8:45 AM**    Arrive at Burton 4-H Center and visit the Living Shoreline project site & and tour the 4-H Center. Meet with Jill Gambill & Alan Roberson, coastal resiliency project leaders.

**9:45 AM**    Travel to the north end of Tybee Island – learn about Ship Wake, and how the port of Savannah expansion has contributed to erosion issues and resulting beach renourishment

**10:15 AM**    Drive to mid-island to visit the Marine Science Center and then drive south to visit the sandbar and the tidal saltmarsh

**11:05 AM**    Depart Tybee Island for lunch at the Coastal Georgia Botanical Garden

**12:00 PM**    Arrive at the Coastal GA Botanical Garden for lunch and a brief tour of the garden

**1:00 PM**    Group A Buses depart for Skidaway (limited to 60 people)  
Travel to Skidaway Island to visit the UGA Marine Education Center and Aquarium. After a brief overview and tour of the aquarium go behind the scenes at the Oyster Hatchery and learn how oysters are being farmed as a local, sustainable food source. Return to the conference hotel by 4:30.

Group B (Port Tour)  
Hear a short presentation by officials from the Georgia Port Authority while at the Botanical Gardens. Then, those who have had background checks completed will board the bus and depart for GA Port Authority. Tour the Georgia Port Authority located in Garden City, home of the Port of Savannah – the single largest and fastest-growing container terminal in the nation. Return to the conference hotel by 4:30.

2:00 PM - 6:00 PM **Conference Registration**  
*Hotel Lobby*

5:30 PM - 6:15 PM **First Timer's Meet and Greet**  
(intended for those attending the EDEN conference for the first time - meet in hotel lobby and will walk together to Joe's Crab Shack for opening reception)  
*Atrium*

6:30 PM - 8:30PM **Opening Reception**  
(for all attendees)  
*Joe's Crab Shack - 504 E River Street*

## WEDNESDAY

8:00 AM **Continental Breakfast**  
*Prefunction Area*

8:00 AM - 5:00 PM **Registration**  
*Foyer*

8:30 AM **Opening Session**  
*Savannah Ballroom D-E*

**Tom Ball, Chair**  
Extension Disaster Education Network  
Mississippi State University

**Nick Place, Ph.D.**  
Dean & Director of the College of Agricultural  
& Environmental Sciences  
University of Georgia

**Laura Perry Johnson, Ph.D.**  
Associate Dean for Extension  
University of Georgia



### Poster Viewing and Presentations

Conference posters will be displayed in the Atrium for the duration of the conference. Meet the authors during the Poster Presentation session on Thursday at 1:00 PM.

9:00 AM

## USDA Overview

*Savannah Ballroom D-E*

### Ashley Mueller, Ph.D.

National Program Leader  
Division of Family & Consumer Sciences  
National Institute of Food and Agriculture  
USDA



### Amy Ganguli, Ph.D.

National Program Leader  
Institute of Bioenergy, Climate, and Environment  
National Institute of Food and Agriculture  
USDA



10:00 AM

## Break

*Foyer*

10:15 AM

## Keynote Speaker

*Savannah Ballroom D-E*

### J. Marshall Shepherd, Ph.D.

Georgia Athletic Association Distinguished Professor  
Director, Atmospheric Sciences Program



10:45 AM

## Committee Meetings

### Community & Economic Development

*Savannah Ballroom D-E*

### 4-H Youth Development

*Savannah Ballroom D-E*

### Agriculture

*Plaza*

### Exercise & Training for Disaster Resilience

*Academy*

### Family & Consumer Sciences

*Foyer (near registration)*

**Marketing & Membership**

*Foyer (side hallway)*

**Natural Resources**

*Lobby*

**Professional Development**

*Lobby*

**2024 Annual Meeting**

*Board Room*

**12:00 PM Lunch (Committees are encouraged to sit together at lunch)**

*Atrium*

**1:00 PM Plenary Session**

*Savannah Ballroom D-E*

**Joe Woody**

Emergency Management Specialist  
Safety and Emergency Management Branch,  
Rural Development USDA



**2:00 PM Concurrent Session I**

**RESEARCH**

**EDEN Doesn't Panic When There's a Pandemic: Analyzing EDEN's Response to the COVID-19 Pandemic**

Cheyenne Geideman and Maria Wiltse  
*Savannah Ballroom D*

**FAMILY, YOUTH, AND COMMUNITY DEVELOPMENT**

**Community Organizations Active in Disasters (COAD) Development as an Extension Tool to Community Preparedness**

Carrie McKillip, Russell Medley, Conne Burnham, and Soni Cochran  
*Savannah Ballroom E*

**DISASTER MANAGEMENT AND APPLICATION**

**Exercise Framework for Resilient Health, Food, and Agriculture Systems**

Ann Hammer and David Hogg  
*Plaza*

**FAMILY, YOUTH, AND COMMUNITY DEVELOPMENT**

**Shelter from the Storm: Preparedness Education for Vulnerable Populations**

Faye Griffith-Smith and Mary Ellen Welch  
*Academy*

3:00 PM

## Concurrent Session II

### FAMILY, YOUTH, AND COMMUNITY DEVELOPMENT

**Benefits and Costs of Flood- and Wind-Resilient Home Construction and Retrofit**  
Carol J. Friedland, Ayat Al Assi, Rubayet Bin Mostafiz, Md Adilur Rahim, Robert V. Rohli  
*Savannah Ballroom D*

### AGRICULTURE AND NATURAL RESOURCES

**Private Well and Septic System Care Before and After Storms**  
Yilin Zhuang  
*Savannah Ballroom E*

### RESEARCH

**Surviving a Death of a Thousand Cuts: Navigating Recovery Through Tornado, Flood, Freeze, Wind, and Fire**  
Andrea Higdon  
*Plaza*

### DISASTER MANAGEMENT AND APPLICATION

**UGA Extension's Disaster Response to Natural Disasters: Past, Present, and Future**  
Jennifer Dunn, Susan Moore, Kimberly Post, Gregory Pittman, and Allie Griner  
*Academy*

4:00 PM

## Concurrent Session III

### FAMILY, YOUTH, AND COMMUNITY DEVELOPMENT

**Youth and First Responder Educational Materials for Ag Disaster Response and Recovery**  
Shawn Ehlers and Ed Sheldon  
*Savannah Ballroom D*

### AGRICULTURE AND NATURAL RESOURCES

**After the Disaster: A Toolkit for Landowners Impacted by Wildfire**  
Beth Hayes  
*Savannah Ballroom E*

### AGRICULTURE AND NATURAL RESOURCES

### RESEARCH

**Agricultural Injuries in the Upper Midwest: Understanding the Injuries to Address the Needs to Prevent Disasters**  
Angie Johnson, Elizabeth A. Gilblom, Hilla I. Sang, and Sheryl Sahr  
*Plaza*

### CLIMATE AND COASTAL

**Partnering with Department of Defense for Climate and Coastal Resilience**  
Michelle Covi  
*Academy*

5:15 - 6:30 PM

### Happy Hour Panel Discussion

Response and Recovery – Tales from the Frontlines  
UF, TAMU, MSU, USDA, KY and others  
Grab a beverage and join us!  
*Savannah Ballroom D*

## THURSDAY

8:00 AM - 5:00 PM

### Registration

*Foyer*

8:00 AM

### Coffee and Networking

*Foyer*

8:30 AM

## Concurrent Session IV

#### FAMILY, YOUTH, AND COMMUNITY DEVELOPMENT

### Resilience Building in the Savannah River Watershed with the US Army Corp of Engineers

David Vaughn, Gavin Smith, Frank Randon, and Jason Fenn  
*Savannah Ballroom D*

#### AGRICULTURE AND NATURAL RESOURCES

#### RESEARCH

### Rapid Assessment of the Agricultural Impacts of Hurricane Ian

Xiaohui Qiao and Christa Court  
*Savannah Ballroom E*

#### FAMILY, YOUTH, AND COMMUNITY DEVELOPMENT

### Reaching New Audiences: 4-H and Local Public Safety

Allie Griner and Doug Ralston  
*Plaza*

### 2022-2023 Response Panel - It's been a busy year!

Discussion by EDEN Network Members who have managed disasters in the past year.  
*Academy*

9:30 AM

## Concurrent Session V

#### CLIMATE AND COASTAL

### Using Virtual Reality as a Tool for Disaster Education and Preparedness

Nina Sassano, Jill Gambill, and Katy Smith  
*Savannah Ballroom D*

FAMILY, YOUTH, AND COMMUNITY DEVELOPMENT

RESEARCH

**The Impact of Establishing Foodborne Illness Prevention Programming on Perceived Susceptibility as a Function of Age**

Wade Syers  
*Savannah Ballroom E*

FAMILY, YOUTH, AND COMMUNITY DEVELOPMENT

**JAGriculture: Southern University's Emergency Preparedness, Education, and Mitigation Program**

Krystle Allen, Marlin Ford, Angell Jordan, and Kiyana Kelly  
*Plaza*

AGRICULTURE AND NATURAL RESOURCES

**A Coordinated Approach to Drought Reporting and Response**

Miranda Meehan  
*Academy*

10:30 AM **Break**  
*Foyer*

10:45 AM **Concurrent Session VI**

FAMILY, YOUTH, AND COMMUNITY DEVELOPMENT

**Disaster Preparedness Video Series for Agricultural Producers: Helping Producers Stay Ahead of the Game**

Adam Rabinowitz  
*Savannah Ballroom D*

FAMILY, YOUTH, AND COMMUNITY DEVELOPMENT

**Building Resilience in the Heartland**

Conne Burnham, Dan Downing, and Soni Cochran  
*Savannah Ballroom E*

AGRICULTURE AND NATURAL RESOURCES

**Advancing Agrosecurity and Community Resilience Through Collaboration, Capacity Building, and Extension Program Innovation**

Monty Dozier  
*Plaza*

DISASTER MANAGEMENT AND APPLICATION

**What We Learned from Hurricanes Ian and Idalia**

Angie B. Lindsey and Christa Court  
*Academy*

**12:00 PM**    **Lunch**  
*Atrium*

**1:00 PM - 1:30 PM**    **Poster Presentations**  
*Atrium*

**1:30 PM**    **Capstone Speaker**  
*Savannah Ballroom D-E*

**Craig Fugate**

Former Director of the Federal Emergency  
Management Agency (FEMA) of the United States  
Craig Fugate Consulting, LLC



**3:00 PM - 3:15 PM**    **Break**  
*Atrium*

**3:15 PM**    **Business Meeting**  
*Savannah Ballroom D-E*

**4:00 PM**    **2024 Annual Meeting**  
*Savannah Ballroom D-E*

**4:00 PM**    Poster Removal Deadline

**4:30 PM**    Adjourn

**FRIDAY**

**7:30 AM - 8:15 AM**    **Breakfast**  
*Prefunction Area*

**8:00 AM**    **Post Conference - Highly Pathogenic Avian Influenza (HPAI) Exercise and Panel**  
*Savannah Ballroom D-E*

A tabletop exercise (TTX) related to an outbreak of Highly Pathogenic Avian Influenza (HPAI) with zoonotic potential (ability to transmit from animals to humans) will be conducted. The TTX will involve three modules with different scenarios in which participants will be able to learn and experience various response roles during an outbreak of HPAI in a backyard poultry flock.

Prior to the TTX, a panel of experts will discuss Highly Pathogenic Avian Influenza (HPAI), including a general overview of the disease and roles and responsibilities of state and federal agencies, Extension service, and the poultry industry. Workshop participants will be encouraged to ask questions and participate in discussions regarding state-specific needs and gaps.

**12:00 PM**    **Adjourn and safe travels!**

# CONFERENCE SPEAKERS



**KEYNOTE  
SPEAKER**

## **J. MARSHALL SHEPHERD, PH.D.**

Georgia Athletic Association Distinguished Professor  
Director, Atmospheric Sciences Program

Dr. J. Marshall Shepherd is a leading international weather-climate expert and is the Georgia Athletic Association Distinguished Professor of Geography and Atmospheric Sciences at the University of Georgia. Dr. Shepherd was the 2013 President of American Meteorological Society (AMS), the nation's largest and oldest professional/science society in the atmospheric and related sciences. Dr. Shepherd serves as Director of the University of Georgia's (UGA) Atmospheric Sciences Program, the Associate Director of Climate and Outreach for the Institute for Resilient Infrastructure Systems, and Full Professor in the Department of Geography where he was a previous Associate Department Head. Dr. Shepherd is also the host of The Weather Channel's Award-Winning Weather Geeks, a pioneering TV talk show/podcast and is a Senior Contributor to Forbes Magazine.

Dr. Shepherd received his B.S., M.S. and PhD in physical meteorology from Florida State University. He was the first African American to receive a PhD from the Florida State University Department of Meteorology, one of the nation's oldest and respected. He is also the 2nd African American to preside over the American Meteorological Society. He is a member of the AMS, American Geophysical Union, Association of American Geographers (AAG), Sigma Xi Research Honorary, Chi Epsilon Pi Meteorology Honorary, and Omicron Delta Kappa National Honorary.



**CAPSTONE  
SPEAKER**

## **W. CRAIG FUGATE**

Former Director of the Federal Emergency Management Agency (FEMA)  
Craig Fugate Consulting, LLC

W. Craig Fugate served as President Barack Obama's FEMA Administrator from May 2009 to January 2017. Previously, he served as Florida Governor Jeb Bush's Emergency Management Director from 2001-2007 and Governor Charlie Crist from 2007-09. Fugate led FEMA through multiple record-breaking disaster years and oversaw the Federal Government's response to major events such as the Joplin and Moore Tornadoes, Hurricane Sandy, Hurricane Matthew, and the 2016 Louisiana flooding. Fugate set a clear and compelling vision, mission, and priorities for FEMA and relentlessly drove the Agency to achieve better outcomes for survivors. FEMA's effectiveness in dealing with more than 500 Presidentially declared major disasters and emergencies under Fugate's leadership restored the faith of the American people in the Federal Government's ability to respond to disasters. Prior to his tenure at FEMA, Fugate was widely praised for his management, under Governor Jeb Bush, of the devastating effects of the 2004 and 2005 Florida hurricane seasons (Charley, Frances, Ivan, Jeanne, Dennis, Katrina, and Wilma). Craig provides senior level advice and consultation in disaster management and resiliency policy through Craig Fugate Consulting LLC.



## **TOM BALL**

*Chair, Extension Disaster Education Network*  
Mississippi State University

Tom Ball has been assisting county governments, state agencies, faith-based and non-governmental organizations with homeland security training, emergency preparedness, response, and recovery since 2002. The Extension Disaster Education Network (EDEN) Point of Contact for MSU Extension since 2005, he has served in a variety of committee leadership positions and now serves as national chair of the network. He assisted in organizing and training the Mississippi State University Crisis Action Team. Tom helped coordinate Emergency Support Function-11 and MSU Extension strike team response and recovery to Hurricane Katrina, the tornado outbreak and Mississippi River flooding of 2011, and the unprecedented Mississippi Delta backwater flooding in 2019. He was a member of the pilot team for EMI Whole Community Preparedness, Response and Recovery curriculum and serves MSU Extension as an Emergency Coordinating Officer in the State Emergency Operations Center.



## **NICK PLACE, PH.D.**

*Dean & Director of the College of Agricultural & Environmental Sciences*  
University of Georgia

Dr. Nick Place has served as Dean and Director of the College of Agricultural and Environmental Sciences since January 2021. As dean and director, Place oversees the faculty, staff and programming for CAES with a total of nearly 3,000 employees across the state of Georgia. CAES is a national leader in all things agriculture and environment, seeking creative solutions to complex problems facing the industry today through innovative teaching, research and outreach efforts in Georgia and across the southeast.

He earned his bachelor's degree in dairy husbandry at Delaware Valley College in Pennsylvania, his master's degree in dairy and animal science at Penn State University, and his doctorate in agricultural and extension education at Penn State University. Place started his career in extension as a multi-county agent in Pennsylvania, where he spent 12 years conducting educational programs in dairy, livestock, 4-H youth development and community development.

Place was a fellow of the two-year Food Systems Leadership Institute program sponsored by the Association of Public and Land-Grant Universities and the Land Grant System. His additional honors include receiving the Association for International Agricultural and Extension Education Outstanding Achievement Award and the North American Colleges and Teachers of Agriculture Teacher Fellow Award.



## **LAURA PERRY JOHNSON, PH.D.**

*Associate Dean for Extension*  
University of Georgia

Laura Perry Johnson is Associate Dean of University of Georgia Cooperative Extension, the outreach arm of the College of Agricultural and Environmental Sciences. UGA Extension is a federal, state and local partnership that makes an impact at the county level, enacting the university's research discoveries to foster a healthy and prosperous Georgia for farmers, families and communities. Johnson has helped to facilitate UGA Extension's outreach initiatives for more than 30 years, including her current tenure as head of the organization. Johnson is a three-time graduate of the UGA College of Agricultural and Environmental Sciences, where she earned bachelor's, master's and doctoral degrees in animal science and specialized in meat science and muscle biology. As part of a seventh-generation cattle and row crop farm in Moultrie, Georgia, she and her husband Scott have two children, Bill and Libba, both of whom are studying agriculture-related fields in college.



## **ASHLEY MUELLER, PH.D.**

*National Program Leader, Division of Family & Consumer Sciences*  
National Institute of Food and Agriculture  
USDA

Dr. Ashley Mueller is a National Program Leader in the Division of Family and Consumer Sciences within the Institute of Youth, Family, and Community at USDA NIFA. She provides leadership to the Food and Agriculture Defense Initiative Extension Disaster Education Network (FADI-EDEN); Smith-Lever Special Needs Competitive Grant; and Smith-Lever (b) and (c) and Special Needs Capacity (1862 land-grant Extension) programs. Ashley also co-leads the AFRI program Rapid Response to Extreme Weather Across Food and Agricultural Systems (A1712). She serves as the National Program Leader liaison to EDEN.

Before joining NIFA in 2021, Ashley was a statewide Extension educator and disaster education coordinator for Nebraska Extension. In that role she built capacity in the organization, and she collaborated with county- and campus-based faculty and staff along with state, regional, and federal partners to support Nebraskans in preparing for, responding to, and recovering from extreme weather events, disasters, and other incidents. Ashley's previous experiences include outreach communications, distance education academic program management, and program development. She earned a PhD in Agricultural Education with a concentration in Postsecondary Leadership and Administration from the University of Missouri-Columbia, an MS in Agricultural Education from Purdue University, and a BS in Food Science and Technology from the University of Nebraska-Lincoln.



## **AMY GANGULI, PH.D.**

*National Program Leader, Institute of Bioenergy, Climate, and Environment*  
National Institute of Food and Agriculture  
USDA

Dr. Amy Ganguli is a National Program Leader within the Institute of Bioenergy, Climate, and Environment. In her current position, she develops and manages grant programs to fund activities pertaining to agroecology, climate change, and sustainable agriculture and fosters the use of transdisciplinary approaches to promote actionable science. She co-leads the Sustainable Agricultural Systems (SAS) program, the Climate Hub Partnership program, and the Rapid Response to Extreme Weather program. In addition, she is the National Program Leader liaison to the National Atmospheric Deposition Program and the Plan Conservation Alliance.

Prior to joining NIFA in 2021, Amy spent 12 years as a teaching and research professor of rangeland ecology and three years as an ecosystem ecologist for a non-profit organization. Her collaborative rangeland ecology research program addressed topics such as restoration ecology, land management effects on ecosystem services, rangeland health, climate change, and drought resilience/ adaptation strategies. She received her Ph.D. in Range Ecology from Oklahoma State University, M.S. in Range Science from Texas Tech University, and a B.S. in Wildlife Biology and Management from the University of Rhode Island.



## **JOE WOODY**

*Emergency Management Specialist*

Safety and Emergency Management Branch, Rural Development  
USDA

Joe Woody has served as Emergency Management Specialist for USDA Rural Development since 2020. He started with the agency over 32 years ago. Prior to this appointment he held the Area Director position for East Tennessee.

A native of Jefferson County TN, Joe grew up on his family's farm and graduated from the University of Tennessee with a B.S. in Agricultural Economics. Joe and his wife of 29 years, Amy, have two daughters, two grandkids and (oh yeah) a son-in-law. The Woody's have called Knoxville home for 24 years. The Woody's enjoys boating, beaching, golfing, and playing with grandkids.

As an USDA Advisor to FEMA during disasters, he has covered (9) disasters over the past 12 months. Working with FEMA and USDA staff, he has been part of processes and data sharing that have been adopted by FEMA in most disasters going forward.

# PROFESSIONAL DEVELOPMENT SPEAKERS



## **DR. LOUISE DUFOUR-ZAVALA, DVM, MAM**

Dr. Zavala received her Doctor of Veterinary Medicine (DVM) degree from the University of Montreal and Master of Avian Medicine (MAM) from the University of Georgia. She is the executive director of the Georgia Poultry Laboratory Network (GPLN). She joined the GPLN in 1997 as chief veterinarian and head of the clinical services department. Her field work includes projects with broilers, breeders and layers, AI response, epidemiology, and GIS mapping.



## **DR. JANEMARIE HENNEBELLE, DVM, MPVM**

Dr. Hennebelle received her Bachelor of Animal Science Degree at Berry College, her DVM from the University of Georgia, and a Master of Preventive Veterinary Medicine (MPVM) from the University of California Davis. She was appointed as Georgia's State Veterinarian in July 2021. Dr. Hennebelle oversees the Animal Health Division of the Georgia Department of Agriculture while managing staff veterinarians the state's Animal Disease Traceability (ADT) program, and animal disease investigations as they arise.



## **DR. HOLLY RICHMOND-WOODS, DVM, MPH, DACVPM**

Dr. Richmond-Woods is a Veterinary Medical Officer, with USDA-APHIS Veterinary Services, Field Operations District 1. In Savannah, Georgia. She received her DVM from Colorado State University and Master's in Public Health (MPH) in Epidemiology from Georgia Southern University. She is a board-certified Diplomate of the American College of Veterinary Preventive Medicine (ACVPM).



## **DR. CASEY RITZ, PHD**

Dr. Ritz is a professor and the extension poultry program coordinator in the Department of Poultry Science at the University of Georgia. Dr. Ritz has been an extension poultry specialist for 27 years, working with poultry producers on litter management, environmental and waste management issues, and agricultural zoning regulations. His primary focus has been the development of educational and research programs with emphasis on poultry litter management and environmental issues involving waste utilization, nutrient management planning, environmental water and air quality. Dr. Ritz received his B.S. in Zoology and M.S. in Animal Science from Brigham Young University and his Ph.D. in Poultry Science from Virginia Tech.



## **MIKE GILES**

Mike Giles is President of the Georgia Poultry Federation, a trade association which represents the poultry industry in Georgia, the nation's leading poultry producing state. Giles joined the Federation staff on January 1, 2000 as Assistant Executive Director. He was named President in January 2009. Prior assuming his position with the Federation, Giles worked for the University of Georgia in the Office of External Affairs and University of Georgia Alumni Association. Before joining the University of Georgia, Giles held positions with U.S. Senator Sam Nunn and Sandoz Corporation. Giles is a past president of the Rotary Club of Gainesville and serves on the Georgia 4-H Foundation board of trustees and the Georgia FFA Sponsors Board. Giles is a 1983 graduate of the University of Georgia and a native of Unadilla, Georgia.

# POSTERS

**#1**

## **A Cooperative Extension Approach to Highly Pathogenic Avian Influenza Response**

*Miranda Meehan and Mary Keena*  
North Dakota State University

**#2**

## **Extension's Role in Nuclear Power Plant Emergency Preparedness**

*Rachel Stewart, Robert Obiekwe, Rebekah Greene, Derrick Bowen, Aubrey Shirley, Lisa Jordan, and Susan Moore*  
University of Georgia

**#3**

## **Get your Game On! Using LADDER to Prepare for Animal Needs in Disasters**

*Andrea Higdon, Melissa Morgan, and Kandice Williams*  
University of Kentucky

**#4**

## **INDiana PREPared (Indiana-Purdue Rural Emergency Preparedness)**

*Ed Sheldon and Shawn Ehlers*  
Purdue University

**#5**

## **Developing DIRT: Using Community Engagement as a Drought Mitigation Strategy**

*Stacia L. Davis Conger and Meggan Franks*  
Louisiana State University

**#6**

## **Agriculture Damage Assessment Teams**

*Anne Howard Hilbun-Benoit, Ross Overstreet, and BJ McClenton*  
Mississippi State

**#7**

## **Agriculture Work Relief Teams**

*Anne Howard Hilbun-Benoit, Ty Jones and Randall Nevins*  
Mississippi State

**#8**

## **State Mission Assignment Process**

*Anne Howard Hilbun-Benoit, Pat Neal and Vivian Cade*  
Mississippi State

**#9**

## **Partners in Preparedness**

*Soni Cochran and Nebraska Emergency Management Partners*  
University of Nebraska-Lincoln

**#10**

## **UGA Extension Southeast District's Emergency Preparedness Response**

*Susan Moore and All UGA Extension (All UGA Extension: Dr. Tim Davis, Wade Parker, Andrew Sawyer, Richard Evans, Steven Powell, Rebekah Greene, Lauryn Gilmer, Meri Meckel, Dr. Marie Bowie, Dr. Virginia Brown, Dr. Pam Turner, Dr. Pam Knox, and Dr. Michael Martin)*  
University of Georgia

**#11**

## **Using Augmented Reality to Provide Situational Awareness and Safety in Bear Country**

*Mike Jensen*  
Washington State University

# PRESENTATION ABSTRACTS

## **EDEN Doesn't Panic When There's a Pandemic: Analyzing EDEN's response to the COVID-19 Pandemic**

*Cheyenne Geideman and Maria Wiltse*  
Purdue University

The start of the COVID-19 pandemic in 2020 was not only a historic event for our world, but also for EDEN. Most delegates deal with disasters that are concentrated locally or regionally. However, COVID-19 spanned not just the nation, but the globe. Extension professionals across institutions, program areas and specialties found themselves responding or adapting to the COVID-19 pandemic. Quick on their feet, EDEN put together a reporting tool to capture extension activities in adapting or responding to what was soon dubbed the “new normal.” With the tool capturing over 1,000 reports of Extension activities, Cheyanne Geideman and Maria Wiltse of Purdue University applied for an EDEN development grant to analyze these findings. The team approached the data set from the stand points of program evaluation and research. The project utilized a mixed methods approach that focused on gaining insight on three topics: Extension, disasters, and the digital divide. This presentation will showcase this work and the major takeaways from this analysis. The presenters will briefly explain their methodology and relevant findings before digging into the major takeaways on what Extension did well in their response and where future efforts could improve.

## **Community Organizations Active in Disasters (COAD) Development as an Extension Tool to Community Preparedness**

*Carrie McKillip, Russell Medley, Conne Burnham, and Soni Cochran*  
University of Illinois, University of Missouri, University of  
Nebraska- Lincoln

Utilizing the newly developed COAD (Community Organizations Active in Disasters) Development Manual, this presentation will walk participants through both the rationale for Extension involvement in COAD Development and steps to the process. The presentation will discuss how it is possible to engage all Extension program areas in the COAD Development and maintenance process, and the impact the project can have on both the communities

served and extension programming Using examples from both an Extension developed COAD as well as an existing COAD where Extension was asked to assist with reorganizing. presenters will discuss processes used in real life situations.

## **Exercise Framework for Resilient Health, Food, and Agriculture Systems**

*Ann Hammer, David Hogg*  
Sandia National Labs

Recognizing that food and agricultural (FA) security is a critical but often overlooked piece of preparedness, Sandia National Laboratories, in support of the Department of Homeland Security's Health, Food, and Agriculture Resilience Director developed an off-the-shelf exercise “playbook” to help communities extend preparedness to FA sectors. Explore how this playbook empowers all levels of government to improve capabilities in FA security, public health, and emergency preparedness and response.

## **Shelter from the Storm: Preparedness Education for Vulnerable Populations**

*Faye Griffith-Smith and Mary Ellen Welch*  
University of Connecticut

Emergency management personnel identified people who are experiencing housing insecurity as among the most vulnerable populations in severe weather. First responders, social service agency staff, and others who participated in focus groups for our previous preparedness education efforts referred to this audience as in need of this education. The term “housing insecure” refers to those who are currently homeless, in temporary housing, or at risk of losing their housing. Often facing multiple challenges, these individuals may make decisions based on short-term outcomes. However, planning how to deal with severe storms now, they can take more control and feel more secure when severe storms approach. We reached these participants at food pantries, soup kitchens, shelters, and libraries. We engaged people at our “Let's Talk about the Weather” table. We visited each location three to four times and shared key messages. One-on-one conversations highlighted practical steps people who are housing insecure can take to improve their readiness for

severe weather. Small preparedness-related incentives helped attract people and encouraged them to engage in conversations with us. We used multiple educational tools—short engaging videos, flyers, fact sheets, coloring pages, and infographics. Project impact was evaluated through ethnographic research methods and observations.

### **Benefits and Costs of Flood- and Wind-Resilient Home Construction and Retrofit**

*Carol J. Friedland, Ayat Al Assi, Rubayet Bin Mostafiz, Md Adilur Rahim, Robert V. Rohli*  
Louisiana State University

This presentation describes the benefits and costs of flood- and wind-resilient home construction and retrofit, focusing on freeboard (additional elevation above the 100-year base flood elevation (BFE)) and FORTIFIED (a voluntary, code-plus standard developed by the Insurance Institute for Business and Homes Safety (IBHS)). This presentation demonstrates how this benefit and cost information is used to facilitate homeowner and community decision making for improving flood and wind resilience. The research underlying this presentation has been conducted through funding from Louisiana Sea Grant, the Department of Housing and Urban Development, and the National Academies of Science, Engineering, and Medicine Gulf Research Program. This research is being used to develop new extension programs offered through the LSU AgCenter LaHouse Resource Center.

### **Private Well and Septic System Care Before and After Storms**

*Yilin Zhuang*  
University of Florida

The Florida Well Owner Network (FWON) is a drinking water quality and septic system education program for Florida residents. It educates them about well water quality and best practices to ensure well and groundwater protection, facilitates water testing, and provides information about treatment options if problems are found. This project expanded the capacity of FWON and provided much needed testing services for bacterial contamination, educational training, and technical assistance to well users during future disasters such as hurricanes.

### **Surviving a Death of a Thousand Cuts: Navigating Recovery Through Tornado, Flood, Freeze, Wind, and Fire**

*Andrea Higdon*  
University of Kentucky

In just over the span of one year, the University of Kentucky (UK) College of Agriculture, Food and Environment (CAFE) endured multiple large-scale disasters and emergencies. This presentation will review strategies used during the recovery to incidents that occurred on their campuses across the state from December 2021 through January 2023. Recovery issues encountered include needs assessments, debris removal, resource tracking, volunteers, community involvement, campus emergency operations center, insurance, and FEMA public assistance. Attendees will hear lessons learned and consider how approaches to recovery can be adapted at their own institutions.

### **UGA Extension's Disaster Response to Natural Disasters: Past, Present, and Future**

*Jennifer Dun, Susan Moore, Kimberly Post, Gregory Pittman, and Allie Griner*  
University of Georgia

This presentation will be presented by agents in Agriculture and Natural Resources, 4-H, Family and Consumers Sciences and the Rural Health Agent across all four districts of Georgia. The presentation will highlight connections and collaborations with our partner agencies such as Georgia Department of Agriculture, Georgia Department of Behavioral Health and Developmental Disabilities, local community governments, local school systems, local first responders (police departments, fire departments, etc) and others. Join us as we share what we have learned from our past, how we are supporting Georgians currently, and what we have planned for the future as it relates to Emergency Preparedness.

## **Youth and First Responder Educational Materials for Ag Disaster Response and Recovery**

*Shawn Ehlers and Ed Sheldon*  
Purdue University

This presentation will highlight the efforts of IN-PREPrepared in developing an effective emergency preparedness and response resources for farm families and rural first responders. The ultimate goal of this project is to reduce disaster-related damages and suffering among farm and ranch families. Two targeted audiences include, 1) young and beginning farm workers and 2) first responders. The self-contained lessons and response manual include teaching resources, evaluation materials, a template farm emergency plan, and instructional videos for independent study.

## **After the Disaster: A Toolkit for Landowners Impacted by Wildfire**

*Beth Hayes*  
Colorado State University

AFTER THE DISASTER: A TOOLKIT FOR LANDOWNERS AFTER A WILDFIRE, is a guidebook to help people impacted by disaster get through the shock and helping them move forward in recover. This guidebook became the idea of Area Extension Agent Susan Carter after the Pine Gulch Fire in Western Colorado and she realized there was a gap in resources for rural home and landowners, especially when the event, even though it was 139,006 acres large, proclaimed a statewide emergency. This guidebook lists national and state resources leaving local counties to fill in their local resources. The guidebook and presentation will touch on the topics covered such as mental health and self-care, immediate safety, communication, returning to your property, insurance, finances and other important documents, cleaning and debris management, caring for animals after wildfire, landscape recovery, post-fire flooding, and staying connected. This presentation will include how this guidebook came about including the Extension Agents view of the need for a resource like this, using an intern and a committee to create the guidebook and encouraging others in other counties to adopt the guidebook as their own. The guidebook was originally created for Mesa County Colorado but has been officially updated for 7 other counties with 7 others in the works and other counties working on updating their version. It

is hoped that other states will adopt this guidebook and make it their own to fit their communities needs after the disaster along with other resources currently available. This guidebook can help our communities get through tough times and give Extension a resource that can help provide that support.

## **Agricultural Injuries in the Upper Midwest: Understanding the Injuries to Address the Needs to Prevent Disasters**

*Angie Johnson, Elizabeth A. Gilblom, Hilla I. Sang, and Sheryl Sahr*  
North Dakota State University

The purpose of this presentation is to highlight the results and partnerships from a Level I trauma center (Sanford Medical Center Fargo) and North Dakota State University (NDSU) Extension to identify the types of farm machinery injuries (FMI), resulting in trauma level care, that have taken place in the upper Midwest from 2010-2020. Currently, there is no official database or record keeping registry that identifies the vast array of agricultural, farm machine-related injuries that are taking place on non-Occupational Safety and Health Administration (OSHA) regulated farms and ranches. Disaster prevention and emergency preparedness begins with understanding the needs and the problems that occur as a result of a farm machine related injury or fatality. By partnering with a Level I trauma center in the upper-Midwest, we can have a more concrete understanding of the types of farm machine related injuries that are taking place within the region, helping NDSU Extension identify the unique needs for disaster and safety prevention program development in the upper-Midwest, specifically North Dakota, Minnesota, South Dakota, and Montana.

## **Partnering with Department of Defense for Climate and Coastal Resilience**

*Michelle Covi*  
University of Georgia Marine Extension/Sea Grant

As climate change and extreme weather have impacted military installations and communities, several initiatives have emerged within the Department of Defense (DOD) to support climate resilience planning and projects. This presentation will provide an overview of DOD partnerships that support climate resilience, with a focus on large

landscape partnerships such as Sentinel Landscapes, led by USDA and DOI. It works with private landowners to help them adopt and maintain sustainable practices, natural resources and strengthen the economies of farms, ranches and forests. The Southeast Partnership for Planning and Sustainability (SERPPAS) is another large landscape program that brings together state and regional leaders, federal agencies, and DOD to foster better collaboration. A focus for SERPPAS is coastal resilience and regional adaptation. DOD and Sea Grant have partnered to support a Coastal Resilience DOD Liaison, who is working to connect DOD opportunities to communities. She will share opportunities to advance goals in climate resilience by leveraging relationships with installations. The Liaison has developed best practices guidance for engagement with military installations and nurtured emerging multi-stakeholder partnerships through several recent workshops. She will share resources that will help extension staff to better engage with the installation and insights gained from meetings and workshops.

### **Resilience Building in the Savannah River Watershed with the US Army Corp of Engineers**

*David Vaughn, Gavin Smith, Jason Fenn, and Frank Randon*  
Clemson University, NC State, FEMA, US Army Corps of Engineers

Clemson University in collaboration with the US Army Corp of Engineers (USACE), has developed the Dam Sector Regional Risk Resilience Program (DSR3P) to assist low-capacity communities in the Savannah River Watershed build capabilities, capacities, and, ultimately, resilience. DSR3P is leveraging its academic expertise and connections with federal/state agencies to support communities in the selection of the proper tools and methods for risk and resilience assessment and capacity building. Clemson is evaluating existing approaches to flood mapping, infrastructure analysis, and dependency assessment. Processes and methods are being institutionalized for replication with the remaining communities in this study and with other universities in other watersheds. This program connects undergraduate, master's, and PhD students, post docs, and seasoned professionals within a corporate organizational structure. Students gain real world experience in project management, multidisciplinary problem-solving, professional preparation, and service-learning to benefit

these underserved communities. DSR3P is working with low-capacity communities within the Savannah River Watershed to engage with communities, identify their infrastructure, prioritize community assets, identify vulnerabilities, work with communities to develop risk management strategies, consider mitigation options, grants, and the creation of an operational Hazard Mitigation Plan. Many low-capacity communities do not have access to needed resources, so Clemson is working with federal/state agencies to create an Engagement Hub that will act as the "front door" to connect much-needed resources for low-capacity communities. Our approach offers a change in thinking in the relationship academia has with all levels of government, the private sector, and low-capacity communities. Steps are being taken to institutionalize these efforts to enable replication in Georgia and across the nation.

### **Rapid Assessment of the Agricultural Impacts of Hurricane Ian**

*Xiaohui Qiao*

Christa Court  
University of Florida

The system that would eventually become Hurricane Ian first became a tropical storm in the central Caribbean on September 23, 2022 and rapidly intensified, strengthening into a hurricane on September 26. It attained Category 4 strength prior to its first landfall on September 28 on Cayo Costa Island, followed by a second landfall on the southwestern peninsula of Florida near Punta Gorda. Afterwards, Ian crossed the peninsula, downgrading to a tropical storm once the center of the system was well inland. Eventually, Ian entered the Atlantic Ocean as a tropical storm, regaining Category 1 hurricane status just before making a third landfall in South Carolina. The agricultural sector frequently experiences substantial adverse impacts following tropical cyclone events due to losses in crops, livestock, and animal products, as well as damage to buildings, equipment, fencing, irrigation systems, and perennial plantings. These losses and damages impact local businesses and worker communities that are economically dependent on agriculture. Through the Disaster Impact Analysis Program and in collaboration with Florida Cooperative Extension faculty throughout the state, the UF/IFAS Economic Impact Analysis Program has been analyzing the direct economic impacts of these

events to production agriculture in Florida since Hurricane Irma made landfall in 2017. This presentation summarizes the UF/IFAS Economic Impact Analysis Program's efforts to rapidly assess state- and county- level agricultural losses by commodity group due to Hurricane Ian.

### **Reaching New Audiences: 4-H and Local Public Safety**

*Allie Griner and Doug Ralston*

University of Georgia

This presentation will be highlighting a strong and long-lasting partnership between a County Extension Office and the local fire department, which has also included collaboration with almost all of the public safety agencies in the local area. Co-presenting will be the 4-H Agent and the County Fire Chief. Programs offered jointly include My Preparedness Initiative, with Gordon County Georgia being the first in the state to offer the program and offering multiple sessions, and having over 20 graduates; public safety tours for homeschooled families, CERT training for homeschooled teens and parents, and planning to offer ServSafe training to all emergency shelter partners that operate feeding stations in the county.

### **Using Virtual Reality as a Tool for Disaster Education and Preparedness**

*Nina Sassano, Jill Gambill, and Katy Smith*

University of Georgia Sea Grant

This presentation will discuss the process of developing, implementing, and evaluating the impacts of two distinct virtual reality (VR) experiences delivered to high school students and coastal residents, respectively. The first project, "Virtual Exploration of Georgia's Coastal Wetlands," is a virtual field trip and curriculum designed for high school students who may not have the resources to travel to the coast for an in-person field trip. Students think critically about the impacts of human alterations to wetlands in connection to flooding, storm surge, and coastal ecology in connection to the virtual field sites. The second project, "Using Virtual Reality Storm Surge Simulations to Increase Risk Perception and Prevention Behaviors," immerses participants in a home being damaged by storm surge and hurricane winds. This engaging active learning experience builds environmental literacy necessary for increased resilience to climate and weather hazards. Studies show that VR provides an immersive, interactive,

and impactful experience that allows users to feel events as if they are happening in the moment. It is the hope of the MAREX-GASG team that harnessing this technology as an educational tool will create new opportunities to engage the public in coastal stewardship and awareness.

### **The Impact of Establishing Foodborne Illness Prevention Programming on Perceived Susceptibility as a Function of Age**

*Wade Syers*

Michigan State University

With over 3000 people a year dying from foodborne illnesses, 128,000 people being hospitalized and 48 million people falling ill; foodborne illness is a significant issue for many and poses a real threat to people's health and wellness, as well as their financial well-being (Centers for Disease Control and Prevention, 2018). This quantitative study sought to contribute to the body of knowledge that describes not only how older adults relate to the Health Belief Model, but also how their attitudes influence the way they learn. The purpose of this study is to set the foundations for tailored foodborne illness prevention education through the examination of how current foodborne illness prevention education affects older adults' attitudes with regard to perceived susceptibility and their intentions to practice foodborne illness prevention behaviors. This research will allow future educators to prepare more effective prevention programming for that population and it will contribute to the production of foodborne illness prevention education that provides participants with the tools necessary to make informed decisions about safe food preparation, storage, and handling. The results of this study have important implications not only for foodborne illness prevention education but for Cooperative Extension education as a whole. This research sought to help foodborne illness prevention educators by confirming the relationship between age and perceived susceptibility and by examining its effect on the impact of foodborne illness prevention education. Although there was not enough evidence to support the exact relationship proposed in this study's working model, where age inversely influences perceived susceptibility and perceived susceptibility directly influences intentions to act, the results provide evidence supporting the need for tailored prevention education programming with regard to older adults. The

results show that age and intention to act are related, but the relationship is influenced by other factors as well. This knowledge will allow educators to create more effective foodborne illness prevention programming by specifically addressing the needs of the high-risk population of older adults. If this research can lead to more effective foodborne illness prevention programming it will have directly contributed to older adults living longer, healthier lives and reduce the economic burden on this population and on the rest of society.

### **JAGriculture: Southern University's Emergency Preparedness, Education, and Mitigation Program**

*Krystle Alle, Marlin Ford, Angell Jordan, and Kiyana Kelly*  
Southern University

The Southern University Agricultural Research and Extension Center (SUAREC), provides outreach through its Cooperative Extension Program (CEP). JAGriculture is the Emergency Management, Education, and Mitigation program that aims to equip Louisiana's most vulnerable communities and citizens with the information and skills to increase resiliency, reduce loss of life that is attributed to a lack of preparedness for disasters, and reduce the costs of recovery after an emergency/ disaster. Research suggests local economies suffer longterm after devastating natural disasters. Recognizing that preparedness saves lives and billions of dollars, also evacuation can often times be viewed as a luxury in underserved and financially stricken communities; extension professionals within the Southern University Cooperative Extension Program developed a multidimensional emergency preparedness program during the height of the COVID pandemic. In an effort to combat the extremely low rates of preparedness in rural, low-resource and underserved communities; JAGriculture designs, develops, and facilitates programs and presentations to:

- To increase preparedness in the underserved communities through education and outreach (reduce death and recovery costs)
- To aid communities in reducing the impacts of disasters by encouraging sustainability through preparedness.
- To educate extension professionals on best-practices, empowering them to serve as third responders.

These objectives are accomplished through several of our programs: Preparedness2Geaux Program, Who DAT (Disaster Adaptable Territories), Prioritize Preparedness, as well as our Pastures in Disasters program for rural, urban, and peri-urban communities.

### **A Coordinated Approach to Drought Reporting and Response**

*Miranda Meehan, Adnan Akyuz, Rachel Wald, and Paige Brummund*  
North Dakota State University

In 2021, North Dakota experienced one of the worst droughts on record, with 100% of the state being impacted 11 weeks in a row from June 15 through August 24, based on the US Drought Monitor. During a drought, NDSU Extension plays a critical role in monitoring and reporting drought conditions. Prior to 2021, a Google survey was used to report conditions and impacts; however, in 2021, NDSU Extension began using the Condition Monitoring Observer Reports (CMOR) system. The National Drought Mitigation Center manages the CMOR system, where reports are immediately available to the drought monitor authors. In 2021, NDSU Extension contributed 864 reports out of 2,078 submitted nationwide. The success of this reporting report was a result of good communication between the Extension Disaster Education Coordinator, State Climatologists and Extension agents. Communications included weekly email updates on drought conditions and reporting, a weekly Extension drought call and bi-weekly interagency disaster calls facilitated by Extension. In addition, Extension was involved in the state drought unified command with the Disaster Education Coordinator acting as co-section chief of the drought section. This coordinated approach to drought reporting and communication enabled Extension to quickly identify the needs of those being impacted by drought, directing response efforts. These efforts included numerous press releases and interviews, webinars on preparing for and navigating drought, livestock water monitoring and nitrate testing of livestock feed. The drought webinars resulted in implementing drought plans and management changes that impacted over 7,000 heads of livestock and over 93,000 acres of grazing lands. The livestock water monitoring program saved approximately 39,809 heads of livestock and resulted in over \$7 M in state and federal dollars allocated to water hauling or development. These

efforts not only helped livestock producers successfully get through the drought but also helped increase the resilience of these operations to future droughts.

### **Disaster Preparedness Video Series for Agricultural Producers: Helping Producers Stay Ahead of the Game**

*Adam Rabinowitz*  
Auburn University

Produced from funding provided by EDEN via FADI funds, Alabama Extension specialists produced a series of short videos guiding farmers through some of the basic considerations they need to address before, and leading up to, an emergency event or crisis. The nine-video series discusses topics including: disaster preparedness for livestock operations, creating a livestock evacuation plan, caring for cattle after the storm, getting your poultry operation back online, evaluating poultry houses after a storm, food safety considerations for flooded food crops, seeking assistance after a storm, community and mental health considerations after a storm, and lessons learned from a farming family who has experienced multiple disaster events on their property.

### **Building Resiliency in the Heartland**

*Conne Burnham, Dan Downing, and Soni Cochran*  
University of Missouri and University of Nebraska

The Heartland Region (Iowa, Kansas, Missouri, Nebraska,) is known for extreme weather events, which includes floods, wildfires, drought, extreme temperatures, and severe storms. These events have impacted the physical and behavioral health, personal safety, and financial security of those who live and work in the region. In 2019, the University of Missouri (MU) received a USDA-NIFA Smith-Lever Special Needs grant for the purpose of addressing how to help residents in the Heartland minimize the impact of future extreme weather events by increased preparedness activities through Extension's presence in their communities, the expertise of the Extension personnel within those communities, and the existing Extension resource networks. This presentation will outline how the H-EDEN was formed, the use of surveys and post training evaluations used to select the training topics for the in-person and virtual trainings, and the importance of establishing relationships with key emergency management agencies and non-profits involved in the disaster framework.

### **Advancing Agrosecurity and Community Resilience Through Collaboration, Capacity Building, and Extension Program Innovation**

*Monty Dozier*  
Texas A&M University

This presentation will focus on the two main objectives of a Purdue FADI project grant designed to advance the agrosecurity capabilities of Extension educators. The first objective centered on developing response capabilities associated with animal-related disasters through a variety of hands-on educational experiences. These included participation in the Operation Border Health exercise, a large animal rescue course, and completion of the E/L-967 – National Incident Management System (NIMS) Incident Command System (ICS) All Hazards Logistics Section Chief Course. By engaging in these three learning experiences, participants heightened their awareness of duties and responsibilities associated with responding to animal-related events while developing and honing technical skills one would expect to utilize during an event. The second objective involved the development of an animal disaster response educational toolkit. Working with Texas A&M AgriLife Extension (ALEXT) Disaster Assessment and Recovery agents, other ALEXT personnel, and Texas 4-Hers and adult 4-H volunteers, a series of six educational videos were developed. These videos covered such things as forming an animal response and recovery team, deployment strategies of such teams to support animal sheltering and animal supply operations, demobilization guidance, and the use of after action reviews to evaluate individual and team performance post event. In addition to the video series, the tool kit is supplemented with four publications and three Power Point slide decks complete with scripts. By packaging educational information in three different media formats, instructors can mix and match formats depending on venue, technology, and audience requirements to enhance each individual learning experience.

## What we Learned from Hurricanes Ian and Idalia

Angie B. Lindsey and Christa Court  
University of Florida

This presentation will discuss the disaster management (preparedness, response, and recovery) efforts of the University of Florida Institute of Food and Agricultural Sciences (UF/IFAS) and Florida Cooperative Extension related to Hurricane Ian (October 2022) and more recently, Hurricane Idalia (August 2023). These efforts included internal and external communications, collaboration with local, state, and federal agencies and organizations and coordinated response and recovery efforts with industry organizations and other stakeholders. Dr. Lindsey will

provide additional details on the internal communication efforts implemented by UF/IFAS Extension before, during, and after the storms to ensure effective disaster management and identify the unmet needs of impacted Florida communities and stakeholders. Dr. Court will discuss the existence and ongoing improvements to the design of the UF/IFAS Agricultural Damage and Loss Assessment framework, how this tool is distributed to impacted stakeholders, and how results are analyzed and shared with decision makers. Both presenters will also discuss working closely with state and local partners in response and recovery efforts. There will be time for discussion with audience members.

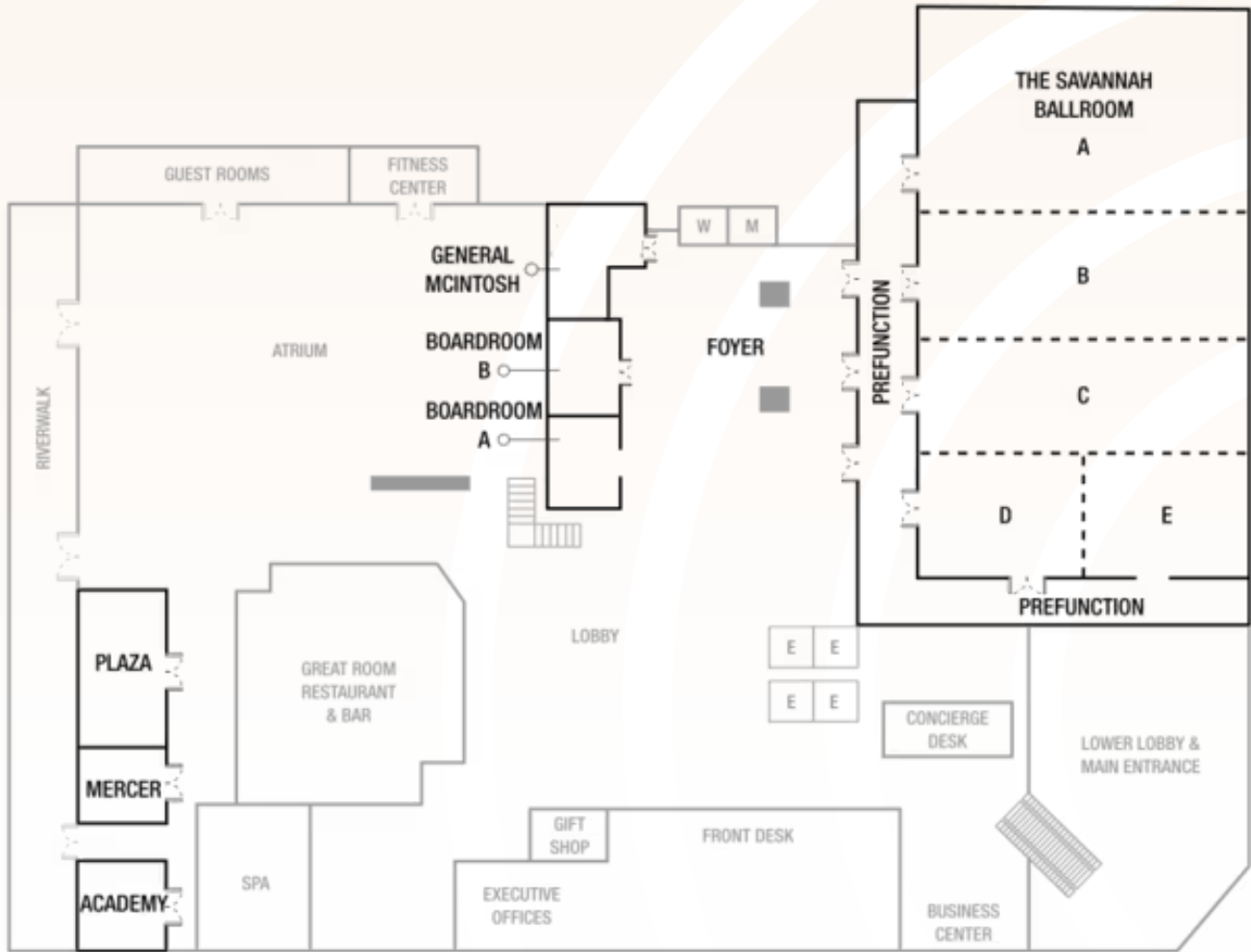


**October 22-25, 2024**  
**Salt Lake City, Utah**



HOSTED BY  
**UtahStateUniversity**

# CONFERENCE HOTEL



## Conference Evaluation

How was the conference? Scan the QR code and provide feedback on the conference and activities.





**EDEN**  
EXTENSION DISASTER EDUCATION NETWORK