

# EARTHQUAKE SUMMIT 2022

Thursday, March 3

Saint Louis Science Center | 5050 Oakland Ave

**7:30 Registration Opens**

**8:30 Welcoming Remarks**

**Jeff Briggs**, Earthquake Program Manager  
Missouri State Emergency Management Agency

**TBD**, Title  
St. Louis Science Center

**Daryl Sorrell**, Chair  
Missouri Seismic Safety Commission

**8:45 Earthquake Hazards in the Central U.S.**

**Thomas Pratt**, PhD, Research Geophysicist, Central and Eastern U.S. Coordinator  
U.S. Geological Survey Earthquake Hazards Program

A look at the geology, seismicity and earthquake hazards of the Central U.S., including the New Madrid and Wabash Valley seismic zones.

**9:30 COVID Lessons Learned For Earthquake Response**

**TBD**, title  
Organization

Response to the COVID-19 pandemic has stressed traditional emergency management systems due to the magnitude and length of response. The response to an earthquake will be similar. This session will highlight how lessons learned from the COVID-19 response can be applied to earthquake response, and will identify gaps that need to be addressed prior to the next big earthquake.

**10:15 Break**

**10:30 Joint New Madrid Seismic Zone Plan: Evacuation and Mass Care**

**Elizabeth Weyrauch**, Preparedness Division Manager  
Missouri State Emergency Management Agency

**Matthew Clutter**, Operational Planner  
Federal Emergency Management Agency

The state of Missouri and FEMA Region 7 completed an update of the Joint New Madrid Seismic Zone Interagency Operations Plan in September 2021. This update features an addition of an annex focused on evacuation and mass care.

## **11:00 New Madrid Seismic Event Transportation Planning and Response Tools**

**David Wald**, PhD, Research Geologist, Earthquake Hazards  
U.S. Geological Survey

**Chris Engelbrecht**, Asst. to the Chief Safety and Operations Officer  
Missouri Department of Transportation

**Michael White**, Emergency Management Coordinator  
Missouri Department of Transportation

MoDOT is developing several tools to support transportation planning and response to a New Madrid Seismic Zone event. We will discuss MoDOT's evacuation and response priority routes, the ShakeCast Earthquake Risk Management and Response tool, and a new project to model ingress and egress routes when transportation infrastructure routes are damaged.

## **11:45 How St. Louis Community Organizations Support Earthquake Response and Recovery**

**Sam Peterson**, MPA, CEM, Public Safety Manager  
St. Louis Area Regional Response System (STARRS)

**TBD**, title  
American Red Cross Greater St. Louis Missouri Chapter

A major earthquake could leave St. Louis communities without access to food, water, communications, housing and other key resources and critical infrastructure. This session will take a look at the many St. Louis community organizations that work together during disaster response and recovery, as well as a deeper dive into response and recovery efforts from the American Red Cross.

## **12:15 Lunch**

## **1:15 Will Your Business Survive? Apply Business Continuity Principles**

**Dianna Havner Bryant**, PhD, CIH, CSP, Institute of Rural Emergency Management  
University of Central Missouri

What is essential to your business operation? Build business resilience before the crisis. Strengthen the network of organizations crucial to business recovery. Train and support employees to maintain continuity of operations.

## **1:45 A Wicked Problem: Consumer Research Helps Build the Foundation for Data Driven Earthquake Insurance Communications**

**Lori Croy**, Director of Communications  
Missouri Department of Commerce and Insurance

**Lisa Groshong**, Communication Research Scientist  
National Association of Insurance Commissioners (NAIC)  
Center for Insurance Policy Research

**Brian Houston**, Director

Missouri is the third largest earthquake insurance market, exceeded only by California and Washington. Yet few Missourians are aware of the state's largest natural hazard risk, and even fewer have earthquake insurance. This presents a "wicked problem." Three agencies have collaborated to research what Missourians do and don't understand about earthquake risks and insurance. Hear the insights gained during this project.

## **2:15      Communicating Teamwork: Joint Information and Earthquake Response**

**Jessica Sexton**, MPIO, Asst. Emergency Management Director  
Cape Girardeau Fire Department

Building relationships before disaster strikes is important to all emergency management personnel. But have you considered which community partners can help you effectively respond through communication and information sharing? Learn how to effectively use the joint information system in your community – at any level of government – and how it relates to earthquake response.

## **3:00      Break**

## **3:15      Missouri's SAVE Coalition: Rapid Building Evaluations after a Disaster**

**Ben Ross**, Board Member  
SAVE Coalition

More than 1,000 volunteer structural experts are trained and ready to assist after a disaster as members of Missouri's Structural Assessment and Visual Evaluation (SAVE) Coalition. Learn how the coalition operates, how local officials can request assistance after a disaster, and where it has successfully been deployed, such as the 2011 Joplin tornado.

## **3:45      University of Missouri Extension's Resources for Emergency Readiness**

**Conne Burnham**, Emergency Management Coordinator  
University of Missouri Extension

MU Extension has a presence in every county in Missouri, and offers many support services and resources to help communities prepare for, and respond to, a disaster. This now includes a new federal program providing earthquake-specific guidance and resources.

## **4:15      CUSEC Consequence Planning Tool / ShakeOut Earthquake Drill**

**Brian Blake**, Associate Director  
Central U.S. Earthquake Consortium

CUSEC's new earthquake mitigation and planning tool uses GIS and FEMA's HAZUS loss estimation software to help planners, emergency managers and others visualize potential earthquake-related impacts. Each year, Missouri and surrounding states participate in a nationwide earthquake outreach campaign known as the Great ShakeOut Earthquake Drill. CUSEC will provide an overview of the drill and how Summit attendees can participate.