



# EARTHQUAKE SUMMIT 2024

THURSDAY, MARCH 21  
CAPE GIRARDEAU, MO

**#MOQUAKE2024**

**2024 Earthquake Summit**  
Thursday, March 21  
Show Me Center, Cape Girardeau, Mo.

**7:30 Registration**

**8:30 Opening Remarks**

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

**Beth Glaus**, Public Safety Director  
Southeast Missouri State University

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

**Andrea Spillars**, Region VII Administrator  
Federal Emergency Management Agency

**8:45 Myths of the New Madrid Earthquakes**

**Dr. Nathan K. "Kent" Moran**, Research Associate  
Center for Earthquake Research and Information, University of Memphis

Many myths have arisen about the New Madrid earthquakes of 1811-1812. This presentation will examine which stories are fact and which are false.

**9:30 A Dam Problem**

**Lucas Krumwiede**, P.E., Dam Safety Program Manager  
St. Louis District, U.S. Army Corps of Engineers

**Ryan Stack**, P.E., Chief Engineer, Dam and Reservoir Safety Program  
Missouri Department of Natural Resources

With hundreds of dams in the New Madrid earthquake impact zone, the efforts to maintain and inspect these facilities are critical. Learn how these structures are monitored and what's planned for response after a large earthquake.

**10:15 Break**

**Thank you to our sponsors!**

Show Me Center	Central U.S. Earthquake Consortium
Missouri Seismic Safety Commission	Missouri Hospital Association
Missouri Nonurban Health Care Coalition	Missouri Wing – Civil Air Patrol
Missouri Dept. of Commerce and Insurance	S.E. Mo. Emergency Management Assn.
University of Missouri	Butler County Health Dept.
Cape Girardeau County Health Dept.	Federal Emergency Management Agency
Century Casino Cape Girardeau	Bootheel Local Emergency Planning Comm.
Southeast Missouri Local Emergency Planning District	

## **10:45 Hospitals and Patient Movement After Earthquakes or Other Large-Scale Disasters**

**John Whitaker**, Public Health Emergency Response Coordinator  
Missouri Department of Health and Senior Services

**Kara Amann-Kale**, Director of Hospital Preparedness Programs  
Missouri Hospital Association

An overview of hospital response to patient surges and facility damage after a major earthquake, including how patients will be transported out of impacted areas as outlined in the state patient movement plan.

## **11:15 Türkiye's Recent Earthquakes, and What They Can Teach Us About Preparation and Response Here**

**Eric Sandvol**, Professor, Geological Sciences  
University of Missouri

Last year, a magnitude 7.8 earthquake ruptured 200 miles along the East Anatolian Fault Zone in southern Türkiye, followed hours later by a magnitude 7.5 to the north, creating a huge swath of devastation in south central Türkiye and western Syria. The fault zone is similar to the New Madrid Seismic Zone. Professor Sandvol has visited and studied the area and will review his findings on the geologic activity and damage, common risks between the two fault zones and how to prepare for the similar risk we face in the Midwest.

## **12:00 Sponsor Table Highlights**

### **12:15 Lunch**

## **1:15 Transportation Planning and Response Issues – Before and After the Shake!**

**Jamie Belcourt**, Emergency Management Coordinator  
Arkansas Department of Transportation

**Mike Nichols**, Statewide Director – Emergency Planning and Response  
Indiana Department of Transportation

**Michael White**, Assistant Director, Safety and Emergency Management Division  
Missouri Department of Transportation

Transportation agencies play a critical role in earthquake planning and response. For a New Madrid event, DOTs will need to coordinate with each other but also be able to provide for initial response on their own. Planning and implementing damage assessments, fuel and logistics support, road and debris clearance and ingress and egress routes are all critical needs.

## **2:00 Missouri's New Air Operations Plan for Earthquake Response**

*David Hooker*, Air Operations Branch Director  
Missouri Emergency Management Agency

Missouri has a new Air Operations Plan. This session gives an overview of the plan and how it will be utilized during a large-scale disaster such as an earthquake or large tornado.

## **2:30 Wicked Problem Update: The Research Continues**

*Brenda Roarke*, Ph.D., Communication Research Scientist  
Center for Insurance Policy and Research, National Association of Insurance Commissioners

Do people living in the Missouri region of the New Madrid Seismic Zone understand their risk? What are some possible reasons people choose not to purchase earthquake insurance? An ongoing project update from the research team and an invitation to participate.

## **2:45 Break**

## **3:15 Earthquake Impacts on Pipelines, Utilities and Hazardous Chemicals**

*Crosley Welch*, State On-Scene Coordinator  
Missouri Department of Natural Resources

Hundreds of pipelines, utilities and hazardous chemical facilities blanket the New Madrid Seismic Zone. In this session, learn where the Missouri facilities are located, how prepared they are to handle shaking and plans in place to respond after a big quake.

## **3:45 Now They Tell Me! How Crisis Communicators Must Develop Skills that Rival James Bond**

*Lauri-Ellen Smith*, APR, MPIO, Emergency Response Administrator  
Mississippi Public Service Commission

What does a government agency do when information becomes a problem instead of a solution? Learn how to cut through the confusion of MIS-, DIS- and MAL- information to help the citizens who need you.

## **4:30 Adjourn**