

ENGINEERING ACROSS FAULTS

National Academy of Science Building
2101 Constitution Avenue, NW
Washington, DC
Board Room

The Committee on Geological and Geotechnical Engineering (COGGE) at the National Academies of Sciences, Engineering, and Medicine will host an open meeting on October 16, 2024 on the topic of engineering across faults. The purpose of the meeting is to consider how well fault rupture hazards and risks are characterized, how those risks are accounted for when engineering infrastructure across active faults, and to identify areas of geo-professional practice where improvements are necessary. Topics to be considered include:

- How well are fault displacement hazards identified and characterized at the site level—where are the uncertainties?
- What are the scientific, engineering, environmental, and ethical considerations related to fault rupture that inform corridor selection?
- How well do engineering practices prevent or mitigate damage from fault displacements?
- Where are there gaps in how resilience and recovery considerations are incorporated into engineering design?

Open Session Agenda

October 16, 2024

ALL TIMES EASTERN

Join from PC, Mac, Linux, iOS or Android:

LINK: <https://nasem.zoom.us/j/92786648622>

9:00	Closed Session Working breakfast, description of meeting objectives
9:45	Doors open to the public
10:00	Welcome Youssef Hashash, COGGE chair Introductions, statement of objectives
10:05	Keynote: Characterization of Fault Rupture <i>Steve Thompson, Lettis Consultants International, Inc.</i>
10:40	Question and Answer/Discussion

- 11:00** **Panel discussion: Where are the uncertainties in fault rupture hazard characterization and engineering design to address risk?**
Yousef Bozorgnia, UCLA
Doug Honegger, D.G. Honegger Consulting
Patricia Persaud, University of Arizona
Martin Walker, Mott MacDonald

Moderator: Craig Davis, COGGE Member
- 12:15** **Working Lunch**
Continued discussion
- 1:00** **Group discussion: How can COGGE help make progress on this topic?**
- 1:55** **Concluding remarks—Youssef Hashash, COGGE chair**
- 2:00** **Open session adjourns**