

NHERI Council Monthly Meeting No. 11 (November 7 and March 6 meetings postponed), Y-9
July 17th, 2025, 11:00 – 12:00 PM, Eastern (8:00 AM, Pacific)

NHERI Council Meetings

Title: NHERI Council – Spring 2025

Location: <https://DesignSafe-ci.zoom.us>

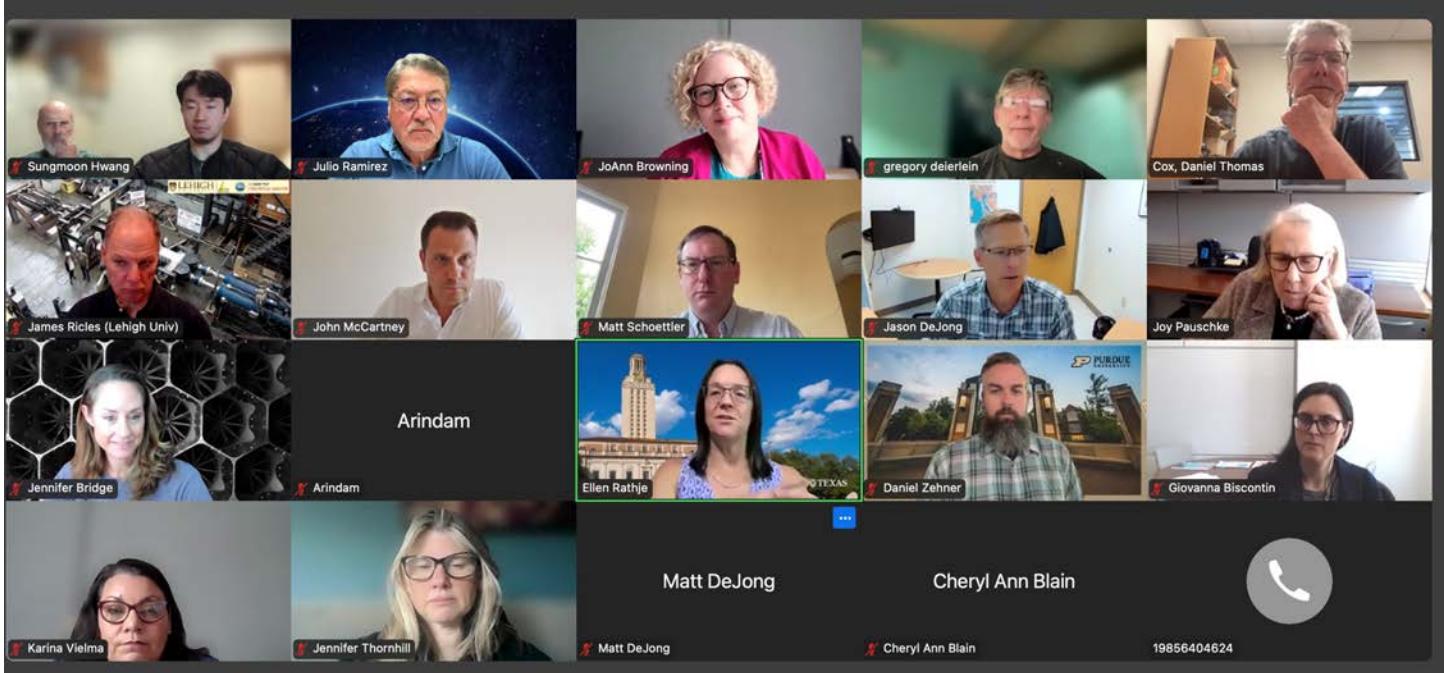
When: July 17th, 11:00 AM to 12:00 PM Eastern

Attending:

- Oregon State University: Dan Cox (EF Dir. and Council Chair) and Pedro Lomonaco (Fac. Dir.) Hinsdale
- University of California, Berkeley: Matt DeJong (Co-Dir.), and Matt Schoettler (Assoc. Dir. – Ops), Stanford University: Greg Deierlein (Co-Dir), SimCenter
- University of California, Davis: Jason DeJong (EF Dir) and Dan Wilson (Assoc. Dir.) CGM
- University of California, San Diego: John McCartney (EF Dir.,) LHPOST
- University of Colorado Boulder: Lori Peek (Dir., CONVERGE)
- University of Florida: Jennifer Bridge (EF Dir.) Powell Lab
- University of Texas at Austin: Ellen Rathje (CI Dir. and Council Vice-Chair) and Tim Cockerill (Dep. Proj. Dir.) DesignSafe-CI
- University of Texas at Austin: Ken Stokoe (EF Dir.), Tricia Clayton (CoPi), and Sungmoon Hwang (syongmoon@utexas.edu) (Operations Manager) Texas Mobile Equipment Facility
- University of Washington: Joe Wartman (EF Dir.) and Jeff Berman (CoPI and Fac. Manager) RAPID
- National Science Foundation: Joy Pauschke (Prog. Dir, NHERI), Giovanna Biscontin (NSF)
- Purdue University: Julio Ramirez (NCO Dir., Council Secretary), JoAnn Browning (NCO ECO Leader), Cheryl Ann Blain (NCO-Comms Leader) and Dan Zehner (NCO Sch./Ops. Coord.)
- Florida International University: Arindam Chowdhury (EF Dir.), Ioannis Sizis (CoPI) and Steve Diaz (Site Operations Manager) WOW
- Lehigh University: Jim Ricles (EF Dir.), Liang Cao (lic418@lehigh.edu), Joe Saunders, (Facility Manager), and Claudia Reis (Co-PI Lehigh NHERI Facility)
- Guests:

Minutes

1. (5 min) Attendance and introductions (All)



2. (0 min) Minutes of 6/05/25 Meeting No. 10 in Y-9 were not recorded at the request of NSF. (Meeting of November 7 was postponed to December 5, and Meeting of March 3 was postponed to April 3) (Cox)

Approved Minutes posted at: <https://www.designsafe-ci.org/facilities/nco/governance/nheri-council/>

3. (45 min) Ongoing Business –

a) (15 min) Sharing the Impact of NHERI (JoAnn Browning)

JoAnn reiterated the ask to the Council for information by July 31 to disseminate the impact of NHERI work. Ellen offered the flyer developed by DesignSafe for this purpose as one possible example of such information (attached to the Minutes).

b) (15 min) Discussion on messaging to the NHERI Community about the network's post-Sept. 30 status (all)

The Council discussed developing a message to the community about status of NHERI after Sept 30, 2025.

Action Item: Julio volunteer to lead the development of the first draft and asked for volunteers to help develop the draft for review and comment by the Council and NSF. The goal would be to disseminate the message through the NHERI regular channels including e-mail lists and posting in DesignSafe.

c) (10 min) NHERI Updates (All)

JoAnn and Matt Schoettler continue to collect information on various activities in NHERI such as workshops and similar using the spreadsheet shared with the council.

All components are very busy with testing, supporting the REU program, conducting the SPARC program, the Summer Institute, the Hazards Workshop, and supporting field data collection.

d) (3 min) Council Officers (Julio): Dan and Ellen will extend their terms to Sept 30th, 2025. The Council endorsed the extension.

No updates.

e) (2 min) Schedule of meetings in July and August 2025. Proposed dates are July 17th and August 7th and same time (Julio): Accepted.

The Council discussed continuing to meet beyond September 30th and decided to continue to meet monthly.

4. (5 min- available) New Business

a. Joy's Remarks

- The one pager is an excellent idea and noted that awards keep moving.
- Her last day at NSF will be on July 22nd. Giovanna will be taking over the NHERI responsibilities for NSF.

Individual Council members took turns in thanking Joy for all her work in support of NHERI and the NHERI community and expressed that she will be deeply missed by all.

5. Adjourn

Meeting adjourned at 11:59 AM EDT.



NSF NHERI

**DESIGNSAFE****Cyberinfrastructure for Natural Hazards Research**

NSF Award CMMI-2022469

DesignSafe (www.designsafe-ci.org) is the leading cyberinfrastructure for engineering research and education related to natural hazards. It serves experimental, field, and simulation data, it provides computational resources, and it facilitates discoveries that are driven by Artificial Intelligence (AI) – all of which reduce the impacts of natural hazards on the built environment and communities.

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Supporting Research Funded by 6 NSF Directorates and 25+ Federal and State Agencies

EDU GEO
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CA NC TX
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DesignSafe Impact



New building code seismic design provisions for retaining walls have saved millions of dollars across two recent projects, including the Intuit Dome in Los Angeles. These design provisions were developed using computations and experimental data available in **DesignSafe**.



DesignSafe and its AI partners, such as Chishiki-ai.org, have trained almost 1,000 researchers on a wide variety of AI methods and their application to **DesignSafe** data using **DesignSafe** computational resources.



Elevated homes, common in coastal communities, will be better designed for hurricane winds using new wind load specifications in the building code. These wind load specifications were derived from hurricane field damage data and wind tunnel experimental data available in **DesignSafe**.



The Texas Coastal Resiliency Master Plan and the US Army Corps of Engineers utilized storm surge simulations available on **DesignSafe**, as well as models of tank damage developed on **DesignSafe**, to assess hurricane risks to the Texas Gulf Coast and to evaluate the benefits of multi-billion dollar coastal protection systems.