

NHERI Council Monthly Meeting No. 11, Y-8
May 2, 2024 2:00 – 3:00 PM, Eastern (11:00 to Noon, Pacific)

NHERI Council Meetings

Title: NHERI Council - Spring 2024

Location: <https://DesignSafe-ci.zoom.us/j/92318248924>

When: May 2, 2:00 to 3:00 PM Eastern

Attending:

- Oregon State University: Dan Cox (EF Dir.) 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: Joel Conte (EF Dir.,) LHPOST
- University of Colorado Boulder: Lori Peek (Dir., CONVERGE)
- University of Florida: Jennifer Bridge (EF Dir. and Council Chair) Powell Lab
- University of Texas at Austin: Ellen Rathje (CI Dir.) 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 Council Vice-Chair) and Jeff Berman (CoPI and Fac. Manager) RAPID
- National Science Foundation: Joy Pauschke (Prog. Dir, NHERI)
- Purdue University: Julio Ramirez (NCO Dir., Council Secretary), JoAnn Browning (NCO ECO 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)
- Guests: Marti LaChance (NCO media manager) and Robin Nelson (NCO ECO), Hedda Prochaska (DesignSafe-CI), and Matt Stelmaszek (DesignSafe-CI)

Minutes

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



2. (5 min) Review and Approval of Minutes of 4/04/24 Meeting No. 10 in Y-8 (Joe Wartman.)

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

Minutes were approved as distributed. Joe Wartman moved and Greg seconded the motion.

3. (30 min) Ongoing Business –

a. NHERI Branding

- i. Development of new NHERI logos that meet NSF requirements [Matt, and Hedda (TACC) and Marti (NCO Media Manager), 10 minutes]

Hedda and Matt share the branding logos under consideration for approval by NSF. These are shown in Figure 1.



Figure 1. NHERI Branding logos

Marti LaChance will work with Hedda and Matt to set up a branding site where NHERI staff will be able to access the resources for ppt presentations and other useful templates.

b. Summit 2024 Activities

- i. Update Summit 2024 May 14-15, 2024 in College Park, MD (Dan Cox, Jennifer Bridge, and Julio Ramirez, 20 min)

The Council was updated on the final preparations for the upcoming Summit. Program has been completed. Looking forward to community participation upwards of 270 participants.

4. (15 min) New Business

- a. (10 min) Report on the Impact of the Summer Institute Program (Robin Nelson)

Robin Nelson shared with the Council longitudinal impact data from the NHERI Summer Institute since it was first offered. The slides containing the update information are attached.

- b. (5 min) United Nations science summit discussion (Joe Wartman)

Joe informed the Council that Erica Fischer had share information about the upcoming Science Summit at the UN (see below):



Erica and Joe talked about how to coordinate one or two sessions from NHERI. With the Council endorsement to explore the possibilities, Joe will follow up with Erica and Lori. Several Council members indicated interest in participating if NHERI submitted a session. These were the NCO, SimCenter, DesignSafe, CONVERGE, and RAPID.

Action Item: Joe to follow up on this item and if the decision is to Summit separate sessions will get back to Julio who agreed to coordinate and prepare the submission proposal prior to the deadline of May 15. This item will be added to the Agenda for the June Council meeting.

5. Adjourn

Lori moved to adjourn and Ellen seconded the motion. The meeting adjourned at 2:52 PM EDT.



NHERI NCO ECO Update

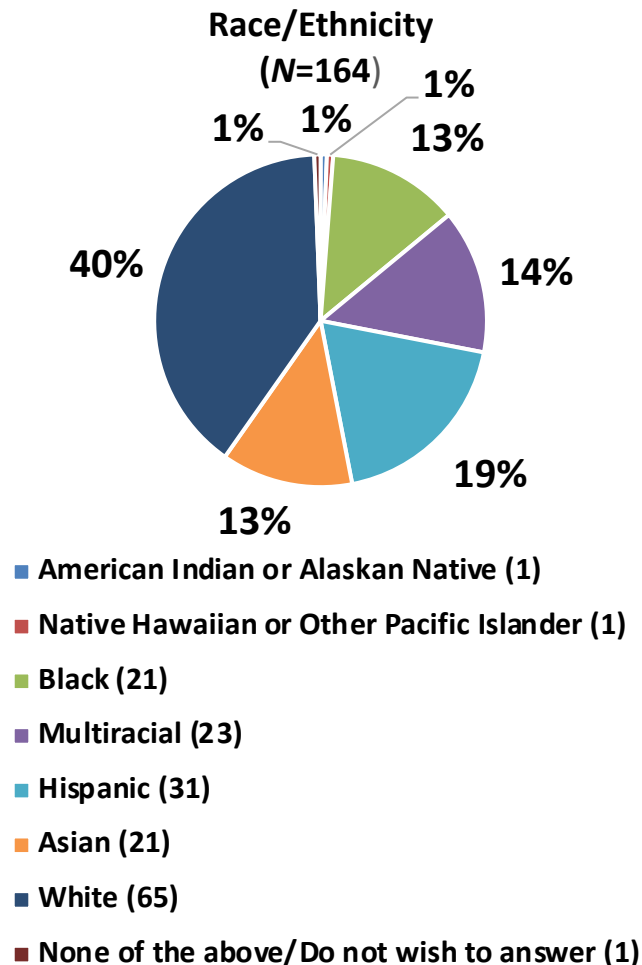
May 2, 2024

URM & URG

- **Underrepresented minority (URM)** "three racial or ethnic minority groups (blacks or African Americans, Hispanics or Latinos, and American Indians or Alaska Natives) whose representation in S&E education or occupations is smaller than their representation in the U.S. population." ([ASEE 2022](#))
- **Underrepresented Group (URG)** Black, Hispanic, American Indian or Alaskan Native (AIAN), and Multiracial participants who identified as being from one or more of the underrepresented groups

NHERI REU Program Impact

Demographic Data (N=164)



Longitudinal Impact

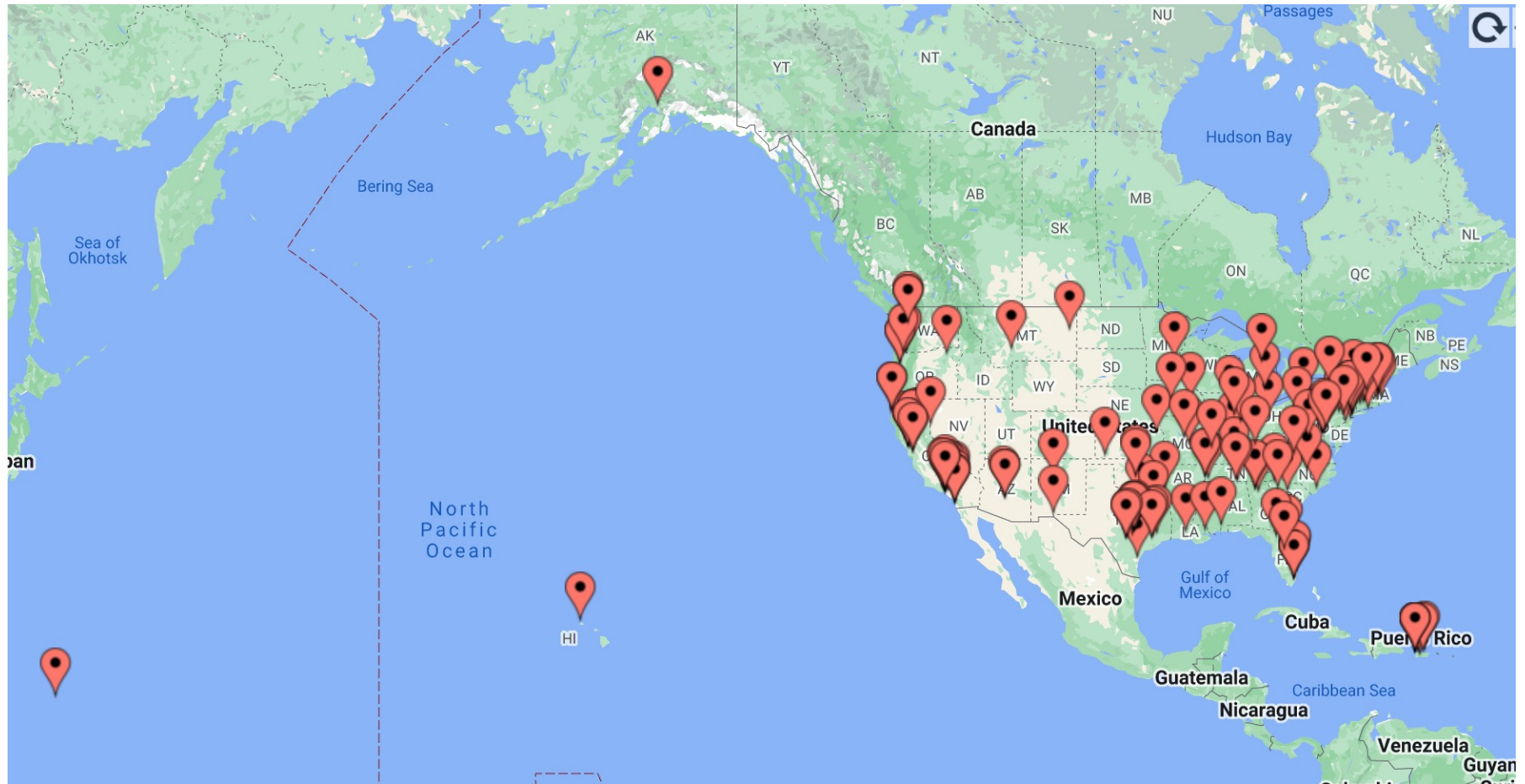
- 6 cohorts, 164 participants
- 47% identify as members of URGs (32% *URM*) in STEM; 58% identify as non-male; 27% are first-generation students; 37% are from non-R1 institutions
- Of the 164 alumni, 64% earned their undergraduate degree, 34% remain in their undergraduate program, 2% unknown
- 100% of respondents remain in STEM degree programs
- 35% pursued STEM graduate degrees; 13 students are in PhD programs (gender- 4 females, 9 males; race/ethnicity- 2 Hispanic, 2 Black, 1 Asian and 8 White)



NHERI REU Program

Geographic Diversity

2017-2023
(N=164)



How Does the REU Stack Up?

NATIONALLY

- 9% Black, 17% Hispanic, 0.4% AIAN earned STEM degrees ([NCES 2023](#))
- URM 26.1% STEM bachelor's degrees awarded
- 50% S&E bachelor's degrees earned are women ([NCES 2023](#))

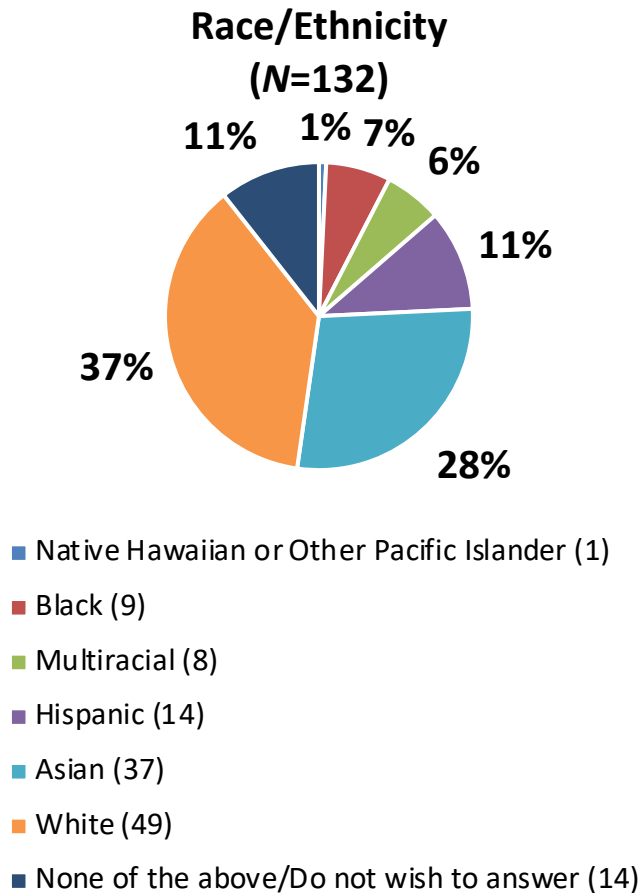
NHERI REU (2017-2023)

- 13.4% Black, 19.5% Hispanic, 0.61% AIAN student participation
- 33.5% URM participants pursuing STEM bachelor's degrees
- 57.3% women participants pursuing *STEM degrees* (*3.2% unknown if graduated or enrolled)



NHERI Summer Institute Impact

Demographic Data (N=132)



Longitudinal Impact

- 6 cohorts, 132 early career faculty
- 30 mock proposals, 20 lesson plans
- 22% identify as members of URGs (17.4% URM) in STEM; 51% identify as female, 35% first-generation

Post-Participation Metrics

- 2,392 articles published
- \$39,762,402 in NSF funding
- 7 CAREER Awards
- 67% hold tenure track positions
- 35% of post-doctoral researchers and PhD SI alumni obtained tenure track positions



NHERI Summer Institute

Geographic Diversity

2017-2023

(N=132)



How Does the Summer Institute Stack Up?

NATIONALLY

- 2.5% Black, 3.9% Hispanic, S&E tenure track faculty ([ASEE 2022](#))
- 18.6% S&E total faculty are women ([ASEE 2022](#))
- 12.8% of PhD students enter the academy ([Larson, Ghaffarzadegan, & Xue, 2014](#))

NHERI SI (2017-2023)

- 6.8% Black, 10.6% Hispanic
- 50.7% alumni identified as female
- 35% of alumni who were post-doctoral researchers or PhD students have obtained tenure track positions since participating





National Science Foundation

The NHERI Network Coordination Office is supported by the National Science Foundation award [CMMI 2129782](#). Any statements in this material are those of the presenter(s) and do not necessarily reflect the views of the National Science Foundation.