NHERI Council – Spring 2022 Meetings

Topic: NHERI Council - 2022
Time: Jan 6, 2022 02:00 PM (US and Canada)
    Every month on the First Thu, until May 5, 2022, 5 occurrence(s)
    Feb 3, 2022 02:00 PM
    Mar 3, 2022 02:00 PM
    Apr 7, 2022 02:00 PM
    May 5, 2022 02:00 PM

Please download and import the following iCalendar (.ics) files to your calendar system.
Monthly: https://DesignSafe-ci.zoom.us/meeting/tJUtfuCprjMtG9Hqq8sjhehkA7W5FWSo-rhN/ics?icsToken=98tyKuCprjIjG9SdtxiCRowcAor4XevziFxajfp1jQ69ECpUZwv9F7V1Z5Rl9ed

Join Zoom Meeting
https://DesignSafe-ci.zoom.us/j/91099108715

Meeting ID: 910 9910 8715

Attending:

• Oregon State University: Dan Cox (EF Dir.) Hinsdale
• University of California, Berkeley: Sanjay Govindjee (Co-Dir.), and Matt Schoettler (Assoc. Dir. – Ops) SimCenter
• University of California, Davis:
• 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 Vice-Chair) Powell Lab
• University of Texas at Austin: Ellen Rathje (CI Dir.) DesignSafe-CI
• University of Texas at Austin: Farn Yuh Menq (EF Manager) Texas Mobile Equipment Facility
• University of Washington: Joe Wartman (EF Dir.) RAPID
• National Science Foundation: Joy Pauschke (Prog. Dir, NHERI)
• Purdue University: Julio Ramirez (NCO Dir., Council Secretary), and Dan Zehner (NCO Sch./Ops. Coord)
• Florida International University:
• Lehigh University: Jim Ricles (EF Dir.) ATLSS
Minutes

1. Attendance: Recorded on the first page

2. Review and Approval of Minutes (previously distributed) Meeting No. 6 12/2/21 in Y-6 (Arindam Chowdhury)

   Approved as distributed. Sanjay moved and Joe seconded (posted: https://www.designsafe-ci.org/facilities/nco/governance/nheri-council/)

3. Continuing Business

   a) Update NHERI Researchers Meeting. (Dan Cox and Julio Ramirez, 10 minutes)

      Save the date information has been confirmed as well as the venues for both days. October 6, NAS Kavli Auditorium, and the Crystal Gateway Marriott, 1700 Richmond Highway, Arlington, VA, 22202, (703) 920-3230 for lodging on Oct 5, 6 and 7, and venue for Oct 7. The planning task group will meet regularly on the third Thursday of each month at 2:00 Pm EST, starting on January 20. In addition to the program, it will be discussed a registration fee for each day. The zoom meeting details are below and everyone is welcomed to attend.

      Julio Ramirez is inviting you to a scheduled Zoom meeting.

      Topic: "NHERI Natural Hazards Researchers Meeting" Planning Task Group
      Time: Jan 20, 2022 02:00 PM Eastern Time (US and Canada)
      Every month on the Third Thu, until May 19, 2022, 5 occurrence(s)
      Jan 20, 2022 02:00 PM
      Feb 17, 2022 02:00 PM
      Mar 17, 2022 02:00 PM
      Apr 21, 2022 02:00 PM
      May 19, 2022 02:00 PM
      Please download and import the following iCalendar (.ics) files to your calendar system.
      Monthly: https://purdue-edu.zoom.us/meeting/tJEsduyrpTsjGtfqBZoBk3Bo8TLGnkiAcpZl/ics?icsToken=98tyKuCtizrG9eVuRmERowMBYj42vztmJnjbdjT3fDAJYMSh5btZrFbx0GfnT
      Join Zoom Meeting
      https://purdue-edu.zoom.us/j/95115130903?pwd=Vi8xaGxTZjZUczBI0ZWV0FrLzF2QT09
      Meeting ID: 951 1513 0903
      Passcode: 107745

   b) Update NHERI participation at AGU (Pedro Lomonaco, Joe Wartman, and Dan Zehner, 10 minutes)

      The deployment of the booth was very successful. A news item will be prepared on the outcomes from the deployment. It was named by the organizers the best booth due to its interactive nature, i.e. tsunami display and shake table; there were more than 8000 in person participants with almost 200 visiting the NHERI booth.

   c) NCO Items (10 minutes)

      i. REU update (Robin Nelson)
      ii. Summer Institute update (Robin Nelson)

      Update slides are included with these Minutes. February 4 is the application deadline for the REUs. To date, there are 12 complete applications and 220 in progress.
d) Publish Your EF Data event recap / Recent EF experiences with DesignSafe data publication (Ellen Rathje, and Dan Cox, 10 minutes)

Dan and Ellen reported on the meeting. The event agenda is shown below:

The objectives of the event are shown below. The main goal was to demystify data curation. Dan noted that the process involves all parties, i.e. facility, PI and DesignSafe. Joe noted that the RAPID facility is heavily involved in the process and provides extensive support to the researchers.

e) Facility status updates (All)
Sanjay reminded the Council of the upcoming SimCenter Community event.

4. New Business
No new business came before the Council

5. Adjourn
Meeting adjourned at 3:02 PM EDT.
Educational Community Outreach (ECO) Update

January 6, 2021
REU

Important REU Dates
• Jan. 19, 4:00 pm CT – Recruitment
• February 4 – application deadline
• June 1 – August 9 Block 1
• June 13 – August 19 Block 2
• August 8-9 – REU Research Symposium @ TACC in Austin, TX

REU Report
• 10 applications; 215 in progress
• 8 letters of recommendation; 4 in progress
• Virtual REU Recruitment Event: 11 registered, 99 views
Next Steps

• Host final REU Virtual Recruitment Event
• Target underrepresented groups and those with incomplete applications

How can you help?

• Encourage individual students to apply
• Encourage faculty to reach out individually to students
Summer Institute

SI Important Dates

- June 20-22, 2022 — Summer Institute
- February 11 — application deadline
- June 1 — online registration deadline

SI Report

- Travel Award: 46 applications; 51 in progress
- Online Registration: 15 registered, 2 in progress
SI Next Steps
• Select Summer Institute itinerary with ECO
• Target underrepresented groups and those with incomplete applications

How can you help?
• Identify NHERI Summer Institute site representative
• Register NHERI representatives: https://bit.ly/2022NHERI_SummerInstituteRegistration
• Encourage early career faculty members to apply
Request for Help


• NGSC Faculty mentor(s)
  
  January 21 11:30-12:00pm CT
  
  – Wind
  – Earthquake
  – Tsunami
  – Coastal Engineering
  – Cyberinfrastructure/Data Management
  – Simulation/Computational Modeling
  – Reconnaissance
  – Social Science
THE NHERI NETWORK IS SUPPORTED BY MULTIPLE GRANTS FROM THE NATIONAL SCIENCE FOUNDATION.

NHERI
Natural Hazards Engineering Research Infrastructure
Current REU Application Data 01.06.22

Race/Ethnicity (n=10)
- American Indian or Alaska Native (0)
- Asian or Asian American (0)
- Black or African American (3)
- Hispanic or Latinx (2)
- White or Caucasian (3)
- Multiracial (1)
- None of the Above/Do not wish to answer (1)

Gender (n=10)
- Female (3)
- Male (7)

First-Generation Status (n=10)
- First-Generation College Student (1)
- Not First-Generation College Student (9)
SI Travel Award Application Data
01.06.22

Race/Ethnicity (n=36)
- Asian or Asian American (7) 23%
- Black or African American (5) 16%
- Hispanic or Latinx (5) 16%
- White or Caucasian (12) 39%
- Multiracial 72%

Early-Career Classification (n=36)
- EC Faculty (16) 45%
- EC Academic Staff or Industry (4) 14%
- NGSC (8) 8%
- Other (3) 11%

Gender (n=36)
- Male (26) 72%
- Female (10) 28%
- Other (0)
The NSF-funded Natural Hazards Engineering Research Infrastructure offers a Research Experiences for Undergraduates (REU) program. Land a research opportunity at one of 10 multi-hazard engineering equipment sites during a 10-week summer research program. Study earthquake, wind, tsunami, coastal engineering, data management, cyberinfrastructure, reconnaissance, or simulation research at a NHERI facility.

- **WORK** with faculty and graduate students
- **WRITE** a professional, publishable research paper
- **NETWORK** with peers in research group meetings
- **LEARN** about grad school and career development
- **BUILD** relationships through mentoring
- **GAIN** hands-on research experience

**REU Block 1: June 1 - Aug. 9, 2022**
- Florida International University
- Lehigh University
- University of California, Berkeley
- University of Florida
- University of Texas-Austin
- Mobile Shakers program
- Cyberinfrastructure

**REU Block 2: June 13 - Aug. 19, 2022**
- Oregon State University
- University of California-Davis
- University of California-San Diego
- University of Washington

**Learn More:** designsafe-ci.org/learning-center/reu/

**Apply Today:**

**Deadline:** Feb. 4, 2022

NHERI encourages members of racial and ethnic underrepresented groups, females, and veterans to apply for this research experience.
Are you interested in natural hazards research from an engineering perspective? Did you know most participants in the NHERI REU Program have not participated in research before their summer experience?

Learn more about National Science Foundation’s NHERI REU program.

The NHERI Research Experiences for Undergraduates (REU) program offers funded research opportunities at 10 multi-hazard engineering sites during a 10-week summer research program.

Study earthquake, wind, tsunami, coastal engineering, data management, cyberinfrastructure, reconnaissance, or simulation research. Travel funding provided, plus a stipend, and subsidy for room and board for the 10-week summer program. *

*NHERI encourages members of racial and ethnic underrepresented groups, females, and veterans to apply for this research experience.

Attend the REU Virtual Recruitment Event on Wednesday, January 19th, from 4:00 – 5:00 pm Central. Register for free online. Hear from 2021 NHERI REU Alumni and learn about the program, a typical day in the life of an REU student, funding, and application process.
The annual NHERI Summer Institute will be held June 20-21, 2022, at the University of Texas at San Antonio’s (UTSA) Downtown Campus and online.

Early-career faculty, engineers, and researchers interested in learning more about the Natural Hazards Engineering Research Infrastructure (NHERI) community and NSF proposal writing may **apply** or **register**. Join previous alumni who earned over $10.5 million in NSF funding and 2 NSF CAREER Awards. **NHERI encourages members of racial and ethnic underrepresented groups, females, and veterans to apply for this research experience.**

Topics of the three-day event include:
- NHERI program mission
- NHERI network facility capabilities
- NHERI Science Plan
- NSF Grant proposal writing
- Education and community outreach focused on diversity, equity, and inclusion
- Community networking and mentoring

You may **apply** for an NSF travel award by **February 11, 2022**, and attend in person, or **register** to attend the event online by **June 1, 2022**. Apply or register online at [designsafe-ci.org/learning-center/summer-institute/](http://designsafe-ci.org/learning-center/summer-institute/).

“It was a great experience. I had the opportunity to learn a lot about NSF proposal writing, use and capabilities of NHERI experimental facilities, and integration of teaching and research.”

-NHERI Summer Institute Alumni