

**NHERI Council Monthly Meeting No. 2 in Y-5**  
**August 6, 2020, 2:00 – 3:00 PM EDT**

**NHERI Council Summer 2020 Meetings**

Topic: NHERI Council Summer 2020

Time: Jun 4, 2020 02:00 PM Eastern Time (US and Canada)

Every month on the First Thu, 3 occurrence(s)

Jun 4, 2020 02:00 PM

Jul 2, 2020 02:00 PM

**Aug 6, 2020 02:00 PM**

Please download and import the following iCalendar (.ics) files to your calendar system.

Monthly: [https://DesignSafe-](https://DesignSafe-ci.zoom.us/meeting/tZlpcOygrTosucamLKrH22zZUXNnxZrHOg/ics?icsToken=98tyKuGuqjwvEteUtl3te7YqOZXqbM_ukWRNq65xtw3NUXJJWDbOGOxaCKBXP9-B)

[ci.zoom.us/meeting/tZlpcOygrTosucamLKrH22zZUXNnxZrHOg/ics?icsToken=98tyKuGuqjwvEteUtl3te7YqOZXqbM\\_ukWRNq65xtw3NUXJJWDbOGOxaCKBXP9-B](https://DesignSafe-ci.zoom.us/meeting/tZlpcOygrTosucamLKrH22zZUXNnxZrHOg/ics?icsToken=98tyKuGuqjwvEteUtl3te7YqOZXqbM_ukWRNq65xtw3NUXJJWDbOGOxaCKBXP9-B)

Join Zoom Meeting

<https://DesignSafe-ci.zoom.us/j/864758316?pwd=ejYwUVZxR3IrZUdnUHd6RzFiSHhaUT09>

**Meeting ID: 864 758 316**

**Password: nheri-nco**

One tap mobile

+13017158592,,864758316# US (Germantown)

+13126266799,,864758316# US (Chicago)

Dial by your location

+1 301 715 8592 US (Germantown)

+1 312 626 6799 US (Chicago)

+1 646 558 8656 US (New York)

+1 253 215 8782 US (Tacoma)

+1 346 248 7799 US (Houston)

+1 669 900 6833 US (San Jose)

Meeting ID: 864 758 316

Find your local number: <https://DesignSafe-ci.zoom.us/u/ae0KijbWo>

**Attending:**

- Oregon State University: Dan Cox (EF Dir.) Hinsdale
- University of California, Berkeley: Sanjay Govindjee (Co-Dir.), and Matt Schoettler (Assoc. Dir. – Ops)
- University of California, Davis: Ross Boulanger (EF Dir) CGM
- University of California, San Diego: Joel Conte (EF Dir., Council Chair) LHPOST
- University of Colorado Boulder: Lori Peek (Dir., CONVERGE)
- University of Florida: Forrest Masters (EF Dir.) and Jennifer Bridge (EF Dep. Dir.) Powell Lab
- University of Texas at Austin: Ellen Rathje (CI Dir. DesignSafe-CI)
- University of Texas at Austin: Ken Stokoe (EF Dir.), and 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), Dan Zehner (NCO Sch./Ops. Coord.), and Karina Vielma (ECO).
- Florida International University: Arindam Chowdhury (EF Dir., Council Vice-Chair) WOW
- Lehigh University: Jim Ricles (EF Dir.)
- Guests: Liesel Ritchie and Maggie Chamberlain (User Forum)

## Minutes

### 1. Attendance

### 2. Review and Approval of Minutes (previously distributed by e-mail) of Meeting No. 1 (7/2/2020) in Y-5 (Conte)

Minutes of Meeting 1 in Y-5 were approved. Joe Wartman moved and Ellen seconded the motion. There were no objections.

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

### 3. Continuing Business

#### a) COVID-19 Facility Status (All)

Updates followed from the facilities related to their status under COVID-19 restrictions. UCSD noted that an individual was contacted about a possible contact with another individual who had tested positive. After a 1-hour test negative result, it was placed under a 14-day quarantine from the date of the exposure. While some components continue to function remotely, some of the laboratories have begun operations with various levels of restrictions. The status of NHERI is reported in DesignSafe at: <https://www.designsafe-ci.org/covid19/>

#### b) NCO Report

##### i. User Forum Survey of user satisfaction- Year 5 (Liesel Ritchie)

Prof. Liesel Ritchie and Maggie Chamberlain (graduate student) reported on the status of the User Forum Satisfaction Survey for Year 5. This year the survey will be administered as a module of questions as part of the exit researcher survey at the facilities. The Council provided feedback to the User Forum on the questions to make them more relevant to the SimCenter. Jennifer Bridge also offered to provide additional feedback. The module will be distributed for the Council prior to distribution to the laboratories for comment. The slides presented at the meeting are attached to these minutes

##### ii. Technology Transfer Committee Flyer [attached] (Julio Ramirez)

The Council was asked to make the flyer available during their activities and distribute to researchers. The information in the flyer is meant to assist research to incorporate strategies in proposals and projects that would facilitate/promote the transfer of research results into practice.

##### iii. Update on NHERI Impact Publication- retrospective of the first 4 years of NHERI (Julio Ramirez)

Publication is nearing completion and thanks were extended to the Council for their support and contributions to make it possible.

##### iv. ECO update (Karina Vielma and Dr. Robin Nelson) (5 minutes)

Karina presented and update on the outcomes of the virtual activities in place of the regular REU program and NHERI Summer Institute. Report is attached to these minutes.

#### c) NHERI participation at the Structures Congress (Joe Wartman, Dan Cox)



A brief update indicating that they are waiting to hear from SEI to make final plans. Also, Sanjay shared plans to put together NHERI participation at next year's EMI. Joel, Ellen, Dan and Julio will meet between Council meetings to plan this participation.

4. New Business

a) NSF Items (Joy Pauschke)

Virtual panels this year.

Those NHERI components with CA awards ending on December 31, 2020, and requesting an up to 3-month extension, submit sooner rather than later.

b) Report from CONVERGE (Lori Peek)- Lessons learned from the virtual Natural Hazards Workshop and Researchers Meeting held in July 2020.

- Expect larger numbers of participants in virtual environments.
- Consider registration fee
- Look for a platform overlay (not free) but it provides many services such as posters, virtual meetings with all content recorded, and Exhibitor Hall.

5. Schedule of fall Meetings (all)- Poll members of the NHERI Council during the August 6<sup>th</sup> meeting on whether to keep same schedule or change it.

Council agreed to continue meeting on the first Thursday of each month at 2:15 PM Eastern.

Action Item: Julio to send calendar invite with meeting connection details.

6. Adjourn

Meeting adjourned at 3:05 PM.

# User Forum Survey of User Satisfaction- Year 5

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MAGGIE CHAMBERLAIN

LIESEL RITCHIE

AUGUST 6, 2020

NCO MEETING



# Year 4 User Forum Survey of User Satisfaction

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The annual user satisfaction survey has been completed.

A report, executive summary, and presentation can be expected in early September after User Forum Review.

# User Satisfaction Survey Module

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December 2019: User Satisfaction Subcommittee internally circulated thematic analysis of facilities questionnaires and surveys.

January 2020: The User Satisfaction Subcommittee opted to identify potential questions for the module from the larger annual user satisfaction instrument.

February to March 2020: The User Satisfaction Subcommittee identified potential questions from the annual user satisfaction survey for the module.

April 2020 to July 2020: Solicited feedback from USSR Subcommittee, the User Forum, and (to a smaller extent) the NCO (Three Rounds of Feedback).



# User Satisfaction Survey Module

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Stephanie and Julio have circulated the most recent iteration of the module to everyone for review.

We kindly suggest any final comments and feedback on the module be sent directly to me ([maggie.chamberlain@okstate.edu](mailto:maggie.chamberlain@okstate.edu)) by **August 14, 2020**.

After any additional feedback is addressed and integrated into the module, **the next step is identifying the best way to get the module into the hands of the facilities to integrate these questions into their survey(s).**

# NHERI Council Meeting Education and Community Outreach Report

August 6, 2020



Robin Nelson, PhD  
Research Fellow,  
Education Specialist





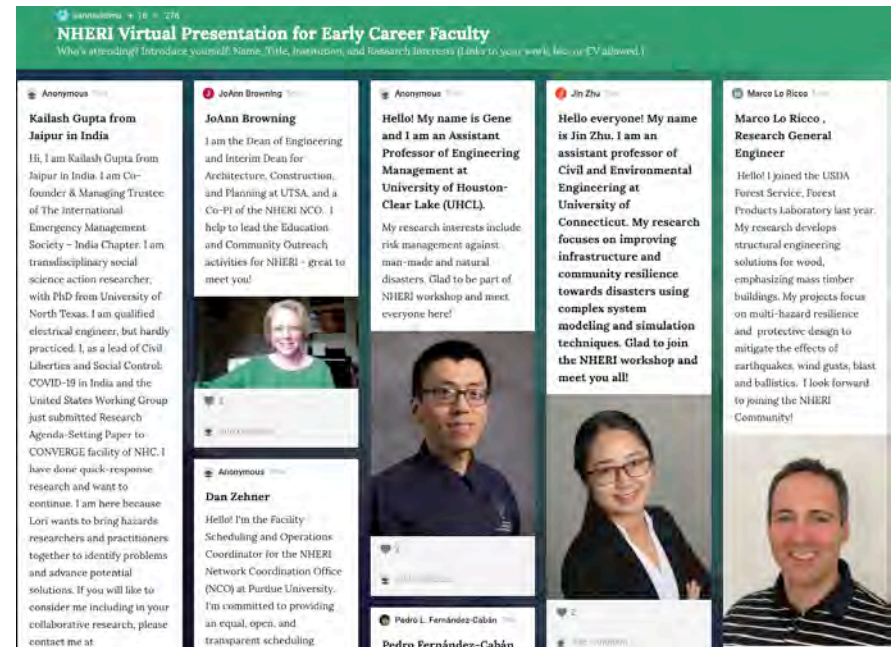
# Virtual Institute 2020

Monday, June 29<sup>th</sup> from 9am – 5:15pm Central Time Zone via Zoom

Tuesday, June 30<sup>th</sup>

Goals for the Virtual Presentation (engage & expand NHERI community):

- **Learn about the NHERI network**  
NHERI Science Plan 2.0  
Technology Transfer Committee  
Site presentations
- **Prepare ECF for proposal preparation**  
Grant writing – Joy Pauschke  
Successful Awardee Panel
- **Provide opportunities to engage**  
Individual meetings with a site representatives & Joy  
Virtual introductions through Padlet





# Virtual Institute Documents



NATURAL HAZARDS ENGINEERING RESEARCH INFRASTRUCTURE  
**FIVE-YEAR SCIENCE PLAN**  
MULTI-HAZARD RESEARCH TO MAKE A MORE RESILIENT WORLD

SECOND EDITION  
JANUARY 2020



## GUIDANCE FOR EARLY CAREER RESEARCHERS



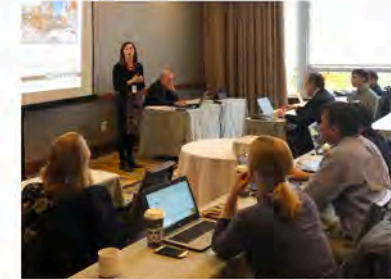
### Move Your Research Results Into Practice

*Are you a researcher itching to develop and implement the means, methods and policies for reducing the adverse effects of natural hazards?*

*Will your research results have a novel practical application in engineering design or analysis?*

*Are you so excited about your potential research results that you are driven to inform others who could benefit?*

If your answers are YES,  
consider connecting with NHERI's  
**TECHNOLOGY TRANSFER COMMITTEE**



The **TECHNOLOGY TRANSFER COMMITTEE** is a volunteer group of 20 individuals, mostly engineers, experienced in design and the complexities of technology transfer.

The **TECHNOLOGY TRANSFER COMMITTEE** facilitates and speeds the transfer of research results into active engineering practice.

### REQUEST A CONSULTATION

Researchers can **request a consultation** with the **TECHNOLOGY TRANSFER COMMITTEE** at [ttc-inquiry@designsafe-ci.org](mailto:ttc-inquiry@designsafe-ci.org). Be sure to indicate the hazard involved.

### REQUEST THE DOCUMENT: "Mechanisms for Implementation of NHERI Results"

The **TECHNOLOGY TRANSFER COMMITTEE** has published a white paper describing technology transfer mechanisms for improving the performance of civil infrastructure during and after natural hazard events.

Obtain your copy of "Mechanisms for Implementation of NHERI Results" on the Tech Transfer Committee page on DesignSafe: [designsafe-ci.org/community/ttc/](https://designsafe-ci.org/community/ttc/).

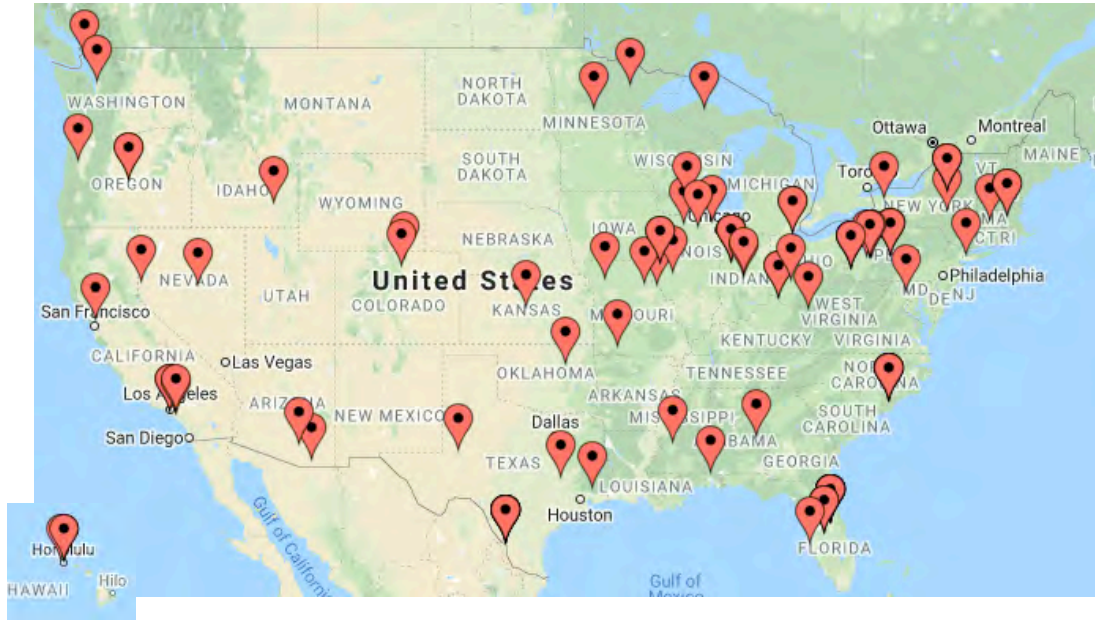
Topics covered include:

- Common methods for implementing research results.
- Steps to make research readily implementable in the updating of building codes and standards.
- Overview of existing building codes and standards such as the IBC, IRC and the ASCE/SEI 7 and ASCE/SEI 41 standards for seismic design.
- Overview of research implementation and tech transfer programs of major federal organizations such as FEMA, NIST, ATC and BSSC.
- Information on privately funded entities and tech transfer activities conducted by early adopters.
- Methods of implementation when proprietary materials, design methods, or construction methods are involved.
- Presentations at professional associations, cross-disciplinary meetings and webinars with a question-and-answer session.

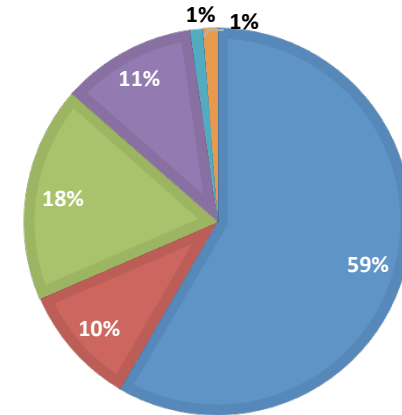
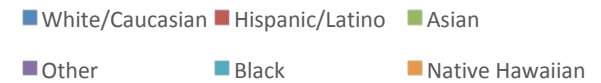


# Virtual Institute Stats

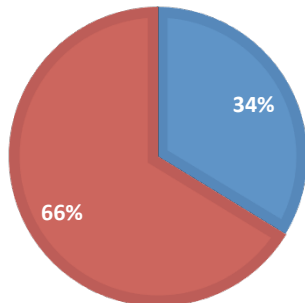
- VIRTUAL INSTITUTE (115 Registrants, ~90 unique participants)



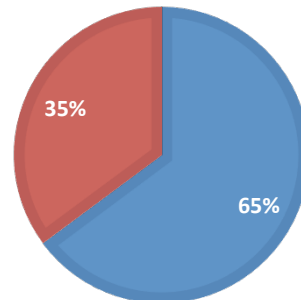
## RACE/ETHNICITY



## FIRST-GENERATION STATUS



## GENDER





# Education & Community Outreach

## NHERI Virtual Workshop for Early Career Faculty Monday June 29, 2020

Time	Description
Central Time 9:00-9:10am	Welcome & NHERI Overview
9:10-9:25am	NHERI EXPERIMENTAL FACILITIES & RESEARCH PRESENTATIONS
9:30-9:45am	NHERI Wall of Wind @ Florida International University
9:45-10:00am	NHERI Wind Engineering Research Experimental Facility @ UF
10:05-10:20am	<b>Live Q&amp;A</b>
10:25-10:40am	NHERI Lehigh: Experimental Facility with Large-scale Real-time Multi-Directional (RTMD) Hybrid Simulation Testing Capabilities
10:45-11:00am	NHERI@UTexas: Large Mobile Shakers for Natural Hazard Field Studies
11:00-11:15am	NHERI@UCSD: Large High Performance Outdoor Shake Table
11:20-11:35am	<b>Live Q&amp;A</b>
11:40-11:55am	Center for Geotechnical Modeling (CGM) @ UC-Davis
12:00-12:15pm	NHERI Experimental Facility for Coastal Hazards Engineering: Large Wave Flume and Directional Wave Basin at Oregon State University
12:15-12:30pm	NHERI CONVERGE, University of Colorado – Boulder
12:35-12:50pm	<b>Live Q&amp;A</b>
12:55-1:10pm	NHERI RAPID Reconnaissance
1:15-1:30pm	NHERI DesignSafe Cyberinfrastructure
1:30-1:45pm	Computational Modeling and Simulation Center
2:45-4:15pm	<b>Live Q&amp;A</b>
4:30-5:30pm	Grant Writing – Research 101
	NSF Awardee Panel

## 2020-21 Activities with COVID-19 Adjustments

- Virtual Institute & Virtual Undergraduate Program
- Broadening Alumni Connections to Create Marketing/Branding Materials
- Intense Recruitment for Summer 2021 & REU 2021
- Researcher’s Meeting with Summer Institute