

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)

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Join Zoom Meeting

<https://DesignSafe-ci.zoom.us/j/864758316?pwd=ejYwUVZxR3lrZUdnUHd6RzFiSHhaUT09>

Meeting ID: 864 758 316

Password: nheri-nco

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+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.) and Pedro Lomonaco (Fac. Dir.) Hinsdale
- University of California, Berkeley: Sanjay Govindjee (Co-Dir.), and Matt Schoettler (Assoc. Dir. – Ops), Stanford University: Greg Deierlein (Co-Dir), SimCenter
- University of California, Davis: Ross Boulanger (EF Dir) and Dan Wilson (Assoc. 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.) and Tim Cockerill (Dep. Proj. Dir.) DesignSafe-CI
- University of Texas at Austin: Ken Stokoe (EF Dir.), Brady Cox and Tricia Clayton (Co. Pis), and Farn Yuh Menq (EF 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)
- Purdue University: Julio Ramirez (NCO Dir., Council Secretary), and Dan Zehner (NCO Sch./Ops. Coord.)
- Florida International University: Arindam Chowdhury (EF Dir., Council Vice-Chair), and Ioannis Sizis (CoPI) WOW
- Lehigh University: Jim Ricles (EF Dir.) and Chad Kusko (Facility Manager), ATLSS

Agenda

1. Attendance
2. Review and Approval of Minutes (previously distributed by e-mail) of Meeting No. 1 (7/2/2020) in Y-5 (Conte)
Approved Minutes are posted at: <https://www.designsafe-ci.org/facilities/nco/governance/nheri-council/>
3. Continuing Business
 - a) COVID-19 Facility Status (All)
 - b) NCO Report
 - a. User Forum Survey of user satisfaction- Year 5 (Liesel Ritchie)
 - b. Technology Transfer Committee Flyer [attached] (Julio Ramirez)
 - c. Update on NHERI Impact Publication- retrospective of the first 4 years of NHERI (Julio Ramirez)
 - c) NHERI participation at the Structures Congress (Joe Wartman, Dan Cox)



4. New Business
 - a) NSF Items (Joy Pauschke)
 - b) Report from CONVERGE (Lori Peek)- Lessons learned from the virtual Natural Hazards Workshop and Researchers Meeting held in July 2020.
5. Schedule of fall Meetings (all)- Poll members of the NHERI Council during the August 6th meeting on whether to keep same schedule or change it.
6. Adjourn

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.
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*" online or request one from ttc-inquiry@designsafe-ci.org.

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.

NHERI Council Monthly Meeting No. 1 in Y-5
July 2, 2020, 2:00 – 3:00 PM EDT

NHERI Council Summer 2020 Meetings

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- Lehigh University: Jim Ricles (EF Dir.), ATLSS

Minutes

1. Attendance (see previous page)
2. Review and Approval of Minutes (previously distributed by e-mail) of Meeting No. 12 (6/4/2020) in Y-4 (Conte)

Minutes were approved as distributed. Sanjay moved and Lori seconded the motion. There were no dissenters.

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

3. Continuing Business

- a) COVID-19 Facility Status (All)

Joel reported that UCSD's upgrade continues without any further delay (6 weeks delay due to COVID-19). Jim Ricles indicated that Lehigh was back doing research under strict safety requirements to maintain a safe operating environment. However, external researchers are not allowed to participate in person yet. Lori briefed the Council on the release of the IRB training modules, and CONVERGE is operating remotely. She also noted that the Natural Hazards Workshop is scheduled to start on July 12 with full online participation as well as the Researchers Meeting following the workshop conclusion. Jeff Berman reported that the RAPID is attending to requests for equipment and shipping it. No RAPID staff is allowed to go to the field. He also noted that they are not prepositioning equipment, but attending request and shipping within 24 hours. Ellen indicated that DesignSafe is operating under a no cost-extension beyond the end of the current award. She also noted that their operations were not affected by COVID related disruptions, but the staff is operating remotely. Ken reported that the Texas Mobile Testing Equipment has been able to operate locally -- thanks to the cooperation of the City of Austin that provided access to a field site near the Pickle Laboratory to continue a couple of research projects.

Dan Cox indicated that the OSU facility was operating under very strict conditions to maintain a safe environment. They can host external researchers. Univ. of Florida is also able to operate and run projects for external researchers who wish to operate remotely. Sanjay noted that the SimCenter is operating remotely including training activities. Greg Deierlein also indicated that the SimCenter would welcome comments on the report: *State-of-the-Art in Computational Simulation for Natural Hazards Engineering (Report 2019-01)* that can be accessed at:

<https://simcenter.designsafe-ci.org/knowledge-hub/simcenter-reports/>

Julio provided an update on the Governance groups that continue to operate remotely in the COVID environment. He also noted that a number of in-person educational and outreach activities had either been postponed or gone remotely if this option was feasible given the activity. Arindam indicated that FIU WOW EF started operations under safety rules and is conducting research projects. A virtual WOW-SimCenter joint user workshop is planned for August 2020.

- b) NHERI participation at the Structures Congress (Joe Wartman, Dan Cox)



Jeff updated the Council on the plans for a RAPID workshop either during the SEI Congress or before or after. A joint workshop focused on RAPID and Data with DesignSafe is also a possibility. He also indicated that the RAPID facility would be able to support the NCO in staffing the NHERI

Booth during the SEI Congress. Sanjay mentioned that EMI next year would be a good venue for a joint SimCenter and DesignSafe workshop. He will organize a call to begin planning for the possible joint activity.

4. New Business

a) NSF Items (Joy Pauschke)

The current status of NSF is working remotely. The NSF building is closed. The status will remain until September 30th. All panels are being held virtually as well. The opening for NSF Director in the Geotech area is likely to be filled by the end of the summer. NSF advised the NHERI facilities to encourage users and participants at workshops to write and submit proposals to NSF.

b) The NCO will release a news item about the joint NIST/NSF solicitation calling for proposals on the topic of resilience, and encourage the community to write proposals and consider the use of NHERI facilities and the NHERI Science Plan in their proposal development efforts.

Action Item: Provide an update to the Council at the next meeting on the status of the NHERI Impact Publication.

5. Next Meeting- **Aug 6, 2020; 2:00-3:00 PM (EDT)**

6. Adjourn: Meeting adjourned at 3:05 PM EDT