

Education and Community Outreach Committee October 25, 2022 – 1:00 pm via Zoom

- **Attendance** Kurt Gurley (*University of Florida—BLWT*), Pedro Lomonaco (*Oregon State University—HWRL*), Stephanie Paal (*Texas A&M University—User Forum*), Melissa Villarreal (*University of Colorado Boulder—CONVERGE*), Candace Evans (*University of Colorado Boulder—CONVERGE*), Klarissa Alarcon (*University of California, Davis—Center for Geotechnical Modeling*), Rosalia Gomez (*University of Texas at Austin, TACC*), Eric Salna (*Florida International University—Wall of Wind*), Karina Vielma (*University of Texas at San Antonio—NCO*), Robin Nelson (*University of Texas at San Antonio—NCO*)

1. ECO Updates

- The following NHERI DesignSafe Learning Center webpages have been updated:
 - [REU](#)
 - [NHERI Graduate Student Council](#)
 - [Summer Institute](#)
- Thank you, OSU, host of 2023 NHERI REU Research Symposium!
- Have any NHERI news stories for NCO Communications? Please contact [Marti](#) or [Cheryl Ann](#).

2. NHERI REU Summer Program

Important 2023 Date Considerations

- **Block 1: June 5 – August 11**
- **Block 2: June 20 – August 24**
- **NHERI REU Research Symposium: August 10-11 in Corvallis, OR.**
- **Application deadline: Friday, February 10, 2023.**

Report—

- **Programming:** *We welcome any additional programming ideas for 2023.*
 - *In 2022, the NHERI REU participants experience 5 Career Development Workshops that focused on 1) interacting with the NHERI network through social media with REU alumni, NHERI GSC members, and NHERI Communications Managers; 2) how to apply to graduate school with REU alumni and NHERI GSC members and Lehigh University; 3) NHERI GSC DEI workshop, 4) working in academia with multiple faculty across various specializations; 4) working in industry with NHERI GSC members, Amazon employees, and NHERI connected industry employees.*
 - *After discussing the idea of including a mentoring component to our NHERI REU Career Development Workshops, Karina shared her experience with [CIMER Training](#): building research self-efficacy, aligning mentor and REU participant expectations, maintaining effective communication between mentors and participants, addressing equity and inclusion, effective work-life integration, developing independence as a researcher, and professional development. Kurt is also involved with CIMER training at UF, and Karina, Kurt, and Robin suggested meeting to further flush out how REU participants will benefit from CIMER training and how best to integrate it into the curriculum.*
 - *Robin introduced the idea of having Barb Simpson share a version of the REU presentation she shared at the Natural Hazards Research Summit to demonstrate a path of someone who participated in an REU program.*
- **Recruitment:** *Email, flyers, social media, and virtual events*
 - *Please share REU recruitment materials with undergraduates who you think would benefit from participating in the NHERI REU Summer Program. Students often suffer from imposter syndrome and are more likely to complete their application when you express confidence in their capabilities to excel in the program. Below you will find the program and event flyers.*
 - *Previous REU references, previous REU applicants, the NHERI network, and the compiled Minority Serving Institution civil engineering email list have received an email with a program, and virtual event flyer as well a faculty and student email.*
 - *NHERI ECO currently has 508 Twitter followers, 104 Instagram followers, and we are currently using these accounts to broaden NHERI's research and communicate with NSBE, AISES, SHPE, SWE, and ASCE.*

- *Robin will be hosting the NHERI REU Virtual Recruitment Event with REU Alumni on: [October 18](#), [November 15](#), [December 13](#), [January 24](#). She is also willing to tailor the presentation for your university, class, organization (30 min.- 60 min.) if you are interested.*

3. NHERI Summer Institute

Important 2023 Date Considerations

- *Summer Institute: June 21-23, 2023*
- *Application deadline: Friday, February 24, 2023.*

Report—

- **Recruitment:**
 - *Please share the NHERI Summer Institute flyer with early-career faculty who may benefit from the experience. See flyer in the meeting minutes below.*
 - *Robin will be contacting the NHERI network, MSI civil engineering list, and NHERI GSC members with emails on applying in early November.*
- **Programming:**
 - *We did not have much time to discuss how the NHERI sites would like to be incorporated into the Summer Institute, but it was suggested that the time used for the NHERI Research Panel in 2022 be used to give each site additional time (3-4 minutes each) to share more about research at their site.*
 - *Additionally, Robin asked who would be representing each site at the NHERI Summer Institute and received the following unconfirmed possibilities: Jennifer Bridge (UF), Pedro Lomonaco (OSU), Melissa Villarreal (CONVERGE), Stephanie Paal (User Forum). We hope to identify representatives early.*

4. NHERI Graduate Student Council

Important Dates

- *Executive Committee- first Friday of each month 11:00 am CT*
- *General Meeting- third Friday of each month 11:00 am CT*

Report—

- **Birthday: HAPPY BIRTHDAY NHERI GSC!**
 - *NHERI GSC is officially one-year old!! Thank you for supporting of our members. They have accomplished so much, and you have played an essential part in those accomplishments. Big thank you to *Ádám Zsarnóczay, Kurt Gurley, Rachel Adams, Candance Evans, Lori Peek, Tim Cockerill, Jennifer Bridge, David Frost, Britt Raubenheimer, Tracy Kijewski-Correa, Dan Zehner, and others for sharing your expertise with our 249 members.**
- **Programming: We welcome any NHERI site or representative to speak at our meetings!**
 - *The NHERI GSC leadership put together the session for the Natural Hazards Research Summit, "Lifting the Curtain of Academic Publishing in Natural Hazards Research" featuring panelists Tim Cockerill, Lori Peek, Jennifer Bridge, and Tracy Kijewski-Correa.*
 - *Workshop in planning: Taylor Heath, Rakesh Salunke, Jasmine Bekkaye, Olaniyi Afolayan, & Adam Zsarnocsay: DesignSafe & SimCenter Research Tool Workshop, 2nd Friday of the month from 11:00 am-12:00 pm CT.*
- **Recruitment: Please share!**
 - *Please share our recruitment materials attached below with graduate students in your programs.*

5. New Business

Please take a moment to share your availability for the last week in October for the next NHERI ECO Committee Meeting: <http://www.whenisgood.net/7brqhz3>.

6. Adjourn



Research Experiences for Undergraduates



The NSF-funded Natural Hazards Engineering Research Infrastructure offers a Research Experiences for Undergraduates (REU) program. Land a research opportunity at one of 11 multi-hazard engineering or interdisciplinary sites during a 10-week summer research program. Study natural hazards through earthquake, wind, tsunami, coastal engineering, data management, cyberinfrastructure, post-disaster reconnaissance, simulation, or social science 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 students conducting research at the O.H. Hinsdale Wave Research Laboratory at Oregon State University.

REU Block 1: June 5 - Aug. 11, 2023

- Florida International University
- Lehigh University
- University of California, Berkeley
- University of Colorado Boulder
- University of Florida
- University of Texas, Austin
 - Mobile Shakers program
 - Cyberinfrastructure

REU Block 2: June 20 - Aug. 24, 2023

- Oregon State University
- University of California, Davis
- University of California, San Diego
- University of Washington

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

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

APPLY TODAY



Deadline: Feb. 10, 2022



RESEARCH EXPERIENCES FOR UNDERGRADUATES



VIRTUAL RECRUITMENT WEBINAR

November 15th, December 13th, or January 24th 5:00-6:00 pm Central



2022 NHERI REU cohort in front of NHERI@UTexas T-Rex mobile shaker.

Are you interested in natural hazards research from an engineering or social science 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 11 multi-hazard engineering sites during a 10-week summer research program.

Study earthquake, wind, tsunami, coastal engineering, data management, cyberinfrastructure, post reconnaissance, simulation, or social science topics. Travel funding provided, a housing subsidy, and a \$5000 stipend for the 10-week summer program. Underrepresented minority, women, and military veteran undergraduate students are encouraged to apply.

Attend an **REU Virtual Recruitment Event** and hear from NHERI REU alumni and learn about a typical day, funding, and the application process. Check out and register for the November 15th, December 13th, or January 24th event:

https://bit.ly/2023NHERI_REU_VirtualRecruitmentEvents





NHERI Summer Institute for Early Career Faculty



NHERI Summer Institute JUNE 21 - 23, 2023

The annual NHERI Summer Institute will be held June 21-23, 2023, at the University of Texas at San Antonio's (UTSA) 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 \$11 million in NSF funding and 5 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 24, 2023**, and attend in person, or **register** to attend the event online by **June 1, 2023**. Apply or register online at 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

APPLY OR REGISTER NOW





NSF Award #2129782

NHERI GSC

Graduate Student Council

A Graduate Research Community established by the NSF-funded Natural Hazards Engineering Research Infrastructure (NHERI) to connect and support the next generation of natural hazards researchers and scientists.

**ONLINE
MONTHLY
MEETINGS:**

3rd Friday

11:00 a.m. Central Time (US)

in Zoom. *Sign-up to receive the meeting link

**Click here
Sign-up!**



Join Us

NHERI GSC Members:

- ✓ Build a diverse graduate community of natural hazards researchers,
- ✓ Connect with diverse mentors in the natural hazards field,
- ✓ Attend natural hazards research and career workshops,
- ✓ Encourage diversity, equity, and inclusion (DEI) conversations,
- ✓ Learn about the impact of research on natural hazards practice, and
- ✓ Gain leadership, service, and *funding opportunities

LEAD ♦ GROW ♦ CONNECT

*For more information, please email Membership Working Group: Faith (Chair) fennenanya@ucdavis.edu or Sasan (Vice-Chair) seyedsasan.khedmatgozardolati@utsa.edu or email Robin Nelson (NHERI Liaison) at robin.nelson@utsa.edu

Visit: <https://www.designsafe-ci.org/learning-center/nheri-graduate-student-council/>