

Education and Community Outreach Committee
February 28, 2024 – 2:00 pm Central Time via Zoom
<https://utsa.zoom.us/j/9013659006>

1. **Attendance** Lindsay Carroll (*Oregon State University—HWRL*), Laura Lowes (*University of Washington—RAPID*), Matt Schoettler (*University of California, Berkeley—SimCenter*), Candace Evans (*University of Colorado, Boulder—CONVERGE*), Stephanie Paal (*Texas A&M University—User Forum*), Sara Hamideh (*Stonybrook University—User Forum*), Lelli Van Den Einde (*University of California, San Diego—LHPOST6*), Kurt Gurley (*University of Florida—BLWT*), Tricia Clayton (*Wake Forest University—UT Mobile Shakers*), Eric Salna (*Florida International University—Wall of Wind*), Joe Saunders (*Lehigh University—RTMD*), Karina Vielma (*University of Texas at San Antonio—NCO*), Robin Nelson (*University of Texas at San Antonio—NCO*)

2. **ECO Updates**

- Approval of January Meeting Minutes
- Just a reminder—Hedda Prochaska is happy to revamp facility NHERI DesignSafe websites. Please contact her via Slack or email (hedda@tacc.utexas.edu).
- Thank you for sharing your site's NHERI employee contact list for the Diversity Survey: Lehigh, FIU, UF, UT DesignSafe, SimCenter, UT LMS, UC Boulder, UC Davis, UC San Diego, OSU, and UW.

3. **NHERI REU Summer Program**

Important 2024 NHERI REU Summer Program Dates

- *April 23, NHERI REU ECO Meet & Greet*
- *May 31, NHERI REU Mentor Training- Please share meeting with mentors.*
- *June 3 - August 9 — Block 1*
- *June 17 – August 23 —Block 2*
- *August 5 – REU Research Symposium Virtual Practice 8:00 am - 6:00 pm CST.*
- *August 7 & 10 REU Travel Days*
- *August 8 - 9 — NHERI REU Research Symposium hosted by UCSD LHPOST6*

Report—

- NHERI DesignSafe— 138 completed applications (including 25 NSF ETAP)
- **Applicant pool demographics-** 67% no research experience; 38% from non-R1 universities; 55% non-male; 42% Underrepresented Groups; 27% First-Gen; 56% geographic diversity; 29% native language other than English
- **Holistic Review helps reduce bias when sites consider . . .**
- Student's current skills and skills they want to learn.
- Student background, cultural knowledge, and family responsibilities.
- Student interests/skills and alignment with potential projects; and
- Diversity criteria- race/ethnicity, gender, research experience, Carnegie classification, first-generation status, native language, geographic location.
- Using a rubric may help sites review applicant's potential, equitably [2, 3] and include academic preparation, scholarly potential, student-program alignment, diversity contributions, emotional-social competencies, and circumstances that contextualize academic achievement.
- Find out more: [Holistic Review Core Principles](#)
- **ACTION ITEM: Encourage holistic review of REU applications by March 11.**

Next Steps—

- Selecting participants for each site and sending out contracts
- **We will hold all REU contracts until March 11 to offer sites time to discuss possible selections before contracts begin to go out.**

2. **NHERI Summer Institute**

Important 2024 NHERI Summer Institute Dates

- *TBD, NHERI Summer Institute Preparation Date (participants will select date)*
- *Wednesday- Friday, June 12-14, 2023*

- [May 15 — NHERI SI Presenter Registration were emailed individual \(](#)
- [May 15 – Hilton DoubleTree Reservations due](#)

Report—

- 92 completed NSF Travel Award applications
 - 31 NHERI GSC members,
 - 7 Graduate Students (not GSC),
 - 13 An early-career professional engineer (academic staff or industry),
 - 41 An early-career faculty member (higher-education institution)
- 5 Self-funded applications
- Goal of Institute selection is to include participants from various natural hazards, research methods, and site interest.
- Need your expertise to review abstracts and select participants We are looking for multidisciplinary abstracts, with intellectual merit, that align with your site's and/or field's interest. Thank you so much for your help!!
- **ACTION ITEM: Please rank your field's participants with 1 being your top selection by March 23.**

Next Steps—

- **ACTION ITEM:** Presenters should register for NHERI Summer Institute: https://bit.ly/2024NHERI_SIPresenter
- **ACTION ITEM:** Make accommodation reservation by May 15: <https://bit.ly/2024NHERISReservations>

University	Site Representative	Registered
Lehigh	Jim Ricles & Liang Cao	
FIU	Steven Diaz	Y
UF	Brian Phillips	
UT DesignSafe	Tim Cockerill	
UT LMS	Tricia Clayton	
UC Boulder	Candace Evans	Y
UC Berkeley	Laura Lowes	
UC Davis	?	
UC San Diego	Koorosh Lotfizadeh & Joel Conte	
OSU	Pedro Lomonaco	Y
UW	Laura Lowes	
NCO	Julio Ramirez, Antonio Bobet, David Johnson	N, Y, Y
Science Plan	Billy Edge	Y
TTC	Kelly Cobeen, Joe Cibor, Chris Rojan	Y, N, N
User Forum	? Stephanie Paal	Will there be a UF meeting at SI?

- NCO suggested we consider hosting a poster session for participants at lunch one day during the Summer Institute. Ideas?
 - Several great ideas were discussed to help participants network and share research in a more informal or lasting way. We can incorporate all of them:
 - Participants create poster to share in binder.
 - Participants bios, images, and research interests be shared along with presenters' information.
 - HOOVA app to help those less extroverted connect.
 - Assign seating at lunch by theme (research topic, natural hazard, site, etc.) and include speed dating ice breaker at each table that includes introducing yourself, university, position, research and/or discussion prompts.

3. NHERI Graduate Student Council

Important Dates

- *March 1- NHERI GSC Executive Committee Meeting @ 11:00 am – 12:00 pm CST*
- *March 1- NHW NHERI GSC funding deadline*
- *March 15- NHERI GSC General Meeting @ 11:00 am- 12:00 pm CST TBD*
- *March 8 — Research Challenge Meeting#2*
- *May 15 – Natural Hazards Research Summit Session & Booth*
- *May 31 – NHERI GSC Mini-Conference*

Report—

- Natural Hazards Workshop Funding: <https://bit.ly/2024fundingNHW> (Updated deadline- March 1)
- Register to attend the NHERI GSC Mini-Conference (<https://bit.ly/2024NHERIGSCMiniConference>)
- *Member campaign of Daniel Yahya and Jenny Russell, Chair and Vice Chair of NHERI GSC, has been a real success- 83 people attended January & February meetings.*

Next Steps—

NHERI GSC leadership is continuing to prepare for . . .

- *International partners membership campaign (User Forum Rep & Membership Chair/Vice Chair)*
- *Vice Office & Vice Chair Elections March 4-6*
- *Mini-Conference*
- *NHRS Session*
- *NHRS Booth*
- *Proposal writing committee.*

4. CIMER Training- “Cultivating Ethical Behavior,” by Karina Vielma

Please see PPT for Karina’s slides and cimerproject.org for more information.

- How can we use the ethics from ASCE, ASEE, and others to help prepare REU students for professional research or industry careers?
 - Discuss academic and ethical behavior that relate to tasks they complete in the NHERI REU program.
 - Present multiple times and in various ways
 - Offer university training modules or CONVERGE Training modules (<https://converge.colorado.edu/resources/training-modules/>) that focus on ethics to all REU participants.
 - Discuss why academic or research ethics is important and how it will help participants be more professional engineers, researchers, and/or social scientists.
 - Citation ethics- teach REU students how not to plagiarized.
 - Be specific about our expectations so they know how to meet them.
 - Offer plagiarism software as a tool to help them identify when they are plagiarizing.
 - Build rapport with students so they feel comfortable reporting mistakes they make in research or citations.
 - Share your own mistakes with REU participants which will help you be more approachable.
 - Help them overcome imposter syndrome and reassure them that they will make mistakes but are still awesome and can learn from them.
 - Be proactive about discuss the ethics of research with your REU participants and make it intentional.
 - Chat GPT- UCSD has a research AI ethics program. Learn more here: <https://ethics.ucsd.edu/education/ethics/index.html>
 - Consider recommending your students use scite.ai, instead of ChatGPT because it reviews real sources to provide information. it's way better than ChatGPT for finding real references.

New Business

- Any new business?
- **ACTION ITEM:** Please complete the When2Meet poll by to identify the best date for our March meeting: <http://whenisgood.net/g95x9sm>

Adjourn