

## NHERI Education and Community Outreach Committee

### Committee Meeting Minutes

November 24, 2020 – 3 pm Central Time via Zoom

<https://utsa.zoom.us/j/9013659006>

#### 1. Attendance

Sumeet Kumar Sinha (University of California, Davis – CGM), Laura Lowes (University of Washington, RAPID), Stephanie Spilking, (University of North Carolina Chapel Hill, User Forum) Chad Kusko (Lehigh University – ATLSS), Mary E. Castillo (University of California, Davis – CGM), Tori Johnson (United States Naval Academy – NHERI User Forum), Kurtis Gurley (University of Florida – Powell Lab), Pedro Lomonaco (*Oregon State University - HWRL*), Scott Brandenburg (UCLA – DesignSafe), Erik Salna (Florida International University – Wall of Wind), Trevor Carey (University of California, Davis – CGM), Robin Nelson (University of Texas, San Antonio -NHERI ECO), Krishna Kumar (University of Texas, Austin- DesignSafe)

#### 2. ECO Updates

- Still waiting on information about the NSF renewal process
- Summer Institute vision and schedule drafts
- AGU Booth December 1-17th
- EERI Pre-Conference Workshop with all NHERI Sites
- Design-Safe Workshop (presented by Krishna Kumar, see attachments)
- [Eposterboard](#)- (presented by Sumeet Kumar Sinha, see attachments)

#### 3. AGU Booth

Please sign-up via [Word Document](#) for AGU by 11/25. You can interact with attendees by hosting Virtual Networking & Proposal Planning, Site Presentations, or staffing the AGU Booth and chatting with attendees. If you have any REU or SI photos you would like to include in an AGU slideshow, please send them to [robin.nelson@utsa.edu](mailto:robin.nelson@utsa.edu). We will try to get REU Alumni for the REU Recruitment Event. The event runs from December 1-17<sup>th</sup>. Please see the AGU Schedule at the end of the meeting minutes.

#### 4. NHERI REU Summer Program

##### NHERI REU Summer Program Important Dates

- REU application deadline February 3, 2021
- Block 1: June 2 - August 10, 2021
- Block 2: June 14 - August 20, 2021
- REU Virtual Research Symposium, August 9 & 10

We currently have 6 applications and 93 applications in process for the NHERI REU program. I have contacted the applicants that have completed the email section of the application to offer support and to answer questions. Scott Brandenburg also let us know that he and Karina have worked on how to incorporate Inclusive Excellence into the REU Seminar. There were no changes to the REU hosting capabilities this month, and we continue to move forward with planning a face-to-face option. The next REU Virtual Recruitment Event will be from the AGU Booth on December 17<sup>th</sup> from 4:00-5:00 pm CST.

Laura Lowes suggested that we might rethink how we conduct REU if we use a remote option this summer. She suggested that the main chunk of the program be run by ECO. Each REU participant would complete a project around a common theme and connect with sites as necessary. She suggested using data from the sites to complete simulation/AI research that can be examined remotely.

## **5. NHERI Summer Institute**

### **NHERI Summer Institute Important Dates**

- Summer Institute application deadline February 10, 2021
- June 16-17, 2021

So far, the ECO has received 8 applicants for the Summer Institute. The ECO sent out a starting point to discuss hybrid and remote options for the Summer Institute (See attachments). We will discuss the options further at the next meeting.

## **6. DesignSafe Summer Workshop**

Krishna Kumar presented the DesignSafe Summer Workshop to the ECO Committee. The date for the workshop has not yet been set, but the proposed date is the weekend after the NHERI Summer Institute. The workshop would be open to graduate students and DesignSafe would like to invite the REU students as well. The two-day workshop will focus on a domain specific problem using data from Data Depot to run simulations. Speakers and lectures around the specific domain will also be part of the workshop as well as Hackfest and the DCI Clinic. Please see his attached presentation for more information.

## **7. Eposterboard & Zoom**

Sumeet Kumar Sinha presented the Eposterboard platform for use with as a conference or poster presentation platform. While the platform appeared engaging, it was between \$4000-\$7000 dollars. Sumeet also presented the Breakout Rooms within Zoom which can be used much the same way and are free. For more information, please see his attached presentation.

## **8. New Business**

No new business was brought up by the committee.

## 9. Adjourn

## 10. Attachments:

### NHERI 2021 Summer Institute Options

\*The *options* below provide a *draft* of what a fully remote or combination hybrid/remote Summer Institute might look like on June 16-17, 2021. We are asking for the ECO Committee and NHERI sites to help evaluate and adjust the schedule options to ensure the NCO, ECO, and each site are able to implement them in a way that benefits everyone involved.

#### Option A: Fully Remote

In this option, the ECO will purchase the services of PheedLoop or a similar conference hosting platform to allow for an extended schedule with live and on-demand sessions. The platform will allow us to make use of session chat, private chat, private video, roundtable discussions, breakout meetings, live streaming, scheduling meetings, polling, poster sessions, and site booths. Below is an *example* schedule.

We'll form groups of early-career faculty interested in more in-depth involvement with NHERI. These groups will go through the Summer Institute to develop a mock proposal using the NHERI resources as they learn more about the research proposal development and resources NHERI offers.

**June 15, 6:00 pm - 7:00 pm** CST Virtual Scavenger Hunt Ice Breaker

*[Meant to introduce all attendees to site and the NHERI representatives before the Institute begins.]*

**7:00 pm** NHERI PI & Site Representative Meeting Sign-ups Open

**7:00 pm** On-Demand Sessions Open: *NHERI Science Plan, NHERI Experimental Facilities, SimCenter, Rapid Facility, CONVERGE, DesignSafe/TAAC, NHERI Research-to-Practice (R2P) Poster Presentations, Inclusivity*

**June 16, 8:00 am - 9:00 am** On-Demand Sessions/ NHERI Research-to-Practice Poster Presentations Continue

**9:00 am - 10:30 am** NHERI Site Booths (Live Stream & Chat)

**10:30 am - 11:00 am** Meet & Greet Virtual Icebreaker

**11:00 am - 11:30 am** Welcome (Poll Attendees)

**11:30 am - 12:00 pm** NHERI Overview

**12:00 pm - 1:00 pm** NHERI Science Plan Discussion

*[Introduction and Overview in on-demand session. Attendees will select research question/topic from the Science Plan.]*

**1:00 pm - 3:00 pm** Grant Writing Workshop

*[Attendees meet with NSF Program Director about their research focusing on 1. Research Merit, 2. Overview of Research Activities & Resources, 3. Broader Impacts.]*

**3:00 pm - 6:00 pm** NHERI PI & Site Representative Meeting(s)/On-

Demand Sessions/ NHERI Research-to-Practice Poster Presentations Continue

*[Attendees select resources to use for mock proposal to address Science Plan research question.]*

**6:00 pm - 7:00 pm** NHERI Virtual Social Event

**June 17, 8:00 am - 10:00 am** On-Demand Sessions/ NHERI Research-to-Practice Poster Presentations Continue

**9:00 am – 10:00 am** Broader Impacts

*[Attendees will learn about developing proposal Broader Impacts.]*

**10:00 am - 12:00 pm** NHERI Site Booths (Live Stream & Chat)

**12:00 pm - 3:00 pm** Designing a NHERI Research Proposal with attendee breakout sessions

**4:00 pm - 5:00 pm** Mock Research Proposal Presentations

*[Either on-demand or more time needed, depending on the number of groups]*

**5:00 pm - 6:00 pm** NHERI PI & Site Representative Meeting Sign-ups/ On-Demand Sessions/ NHERI Research-to-Practice Poster Presentations Continue

### **Option B: Hybrid/Remote Option**

The ECO will fund travel for 20 early-career faculty. Each NHERI Site will host two early-career faculty members. Some events/activities will occur face-to-face at the NHERI Site and others would occur remotely and include a greater number of attendees. The ECO will also purchase the services of PheedLoop or a similar conference hosting platform to allow for an extended schedule with live and on-demand sessions. Below is an example schedule. *\*Hybrid portion of event for NSF Awardees at NHERI Sites only.*

**June 15, \*6:00 pm - 7:30 pm** Dinner with host-PI's and Site representatives

**7:00 pm** On-Demand Sessions Open: *NHERI Science Plan, NHERI Experimental Facilities, SimCenter, Rapid Facility, CONVERGE, DesignSafe/TAAC, NHERI Research-to-Practice (R2P) Poster Presentations*

**June 16, \*10:30 am - 11:00 am** Meet & Greet Virtual Icebreaker with all NSF Awardees & NHERI representatives, meet group members from other sites

**11:00 am - 11:30 am** Welcome (Poll Attendees)

**11:30 am - 12:00 pm** NHERI Overview

**\*12:00 pm - 2:00 pm** Lunch, NHERI Site tours, NHERI Science Plan

Overview [*Introduction and Overview in On-demand session. Attendees will select research question/topic from the Science Plan.*]

**2:00 pm - 3:00 pm** NHERI Science Plan Discussion

**3:15 pm - 6:00 pm** Grant Writing Workshop

[*Attendees meet with NSF Program Director about their research with a focus on 1. Research Merit, 2. Overview of Research Activities & Resources, 3. Broader Impacts.*]

**6:00 pm - 7:00 pm** NHERI PI & Site Representative Meeting(s)/On-Demand Sessions/ NHERI Research-to-Practice Poster Presentations Continue

**\*TBD by each site** NHERI Site(s) Social Event/ Dinner

**June 17, 8:00 am - 10:00 am** On-Demand Sessions/ NHERI Research-to-Practice Poster Presentations Continue

**9:00 am – 10:00 am** Broader Impacts

[*Attendees will learn about developing proposal Broader Impacts.*]

**10:00 am - 12:00 pm** NHERI Site Booths (Live Stream & Chat)

**12:00 pm - 3:00 pm** Designing a NHERI Research Proposal with attendee breakout sessions

**4:00 pm - 5:00 pm** Mock Research Proposal Presentations

[*Either on-demand or more time needed, depending on the number of groups*]

**5:00 pm - 6:00 pm** NHERI PI & Site Representative Meeting Sign-ups/ On-Demand Sessions/ NHERI Research-to-Practice Poster Presentations Continue

**\*6:00 pm – 9:00 pm** NHERI Site Planned Excursion/Dinner

**(Krishna Kumar)**

### **DCI Summer workshop**

- Summer workshop will be open to graduate students and undergraduate participants in the NHERI REU program.
- Will follow the TACC Advanced Computing Essentials (ACE) Institute.
- Participants will apply knowledge learned from ACE in a domain-specific applications.
- Event will culminate with a DCI hackfest and clinic

### **DCI Summer workshop: TACC ACE**

- TACC Advanced Computing Essentials covers:
  - Instruction on the latest tools, topics, and trends in advanced computing;
  - Hands-on experiences and guided exercises;
  - Presentations on the application of advanced computing technologies from TACC researchers, users, and partners; and
  - Opportunities to network with TACC research staff and other attendees.

June 9 - June 30th 2020 Virtual Event

### **DCI Summer workshop**

- 2 days of Workshop with a focus or theme area
- Liquefaction hazards
  - DesignSafe Data depot (hands-on exercise with existing data sources and notebooks).
  - Launching and running liquefaction simulations using OpenSees.
  - Theme speakers and lectures

### **DCI Hackfest and clinic**

- Hackfest
  - DesignSafe-CI feature developments
  - Domain-Specific Notebook/App developments

- DCI Clinic
- Expert help in domain-specific problems
- DesignSafe experts to improve performance and integration of your work

### **Eposterboard & Zoom**

**(Sumeet Kumar Sinha)**

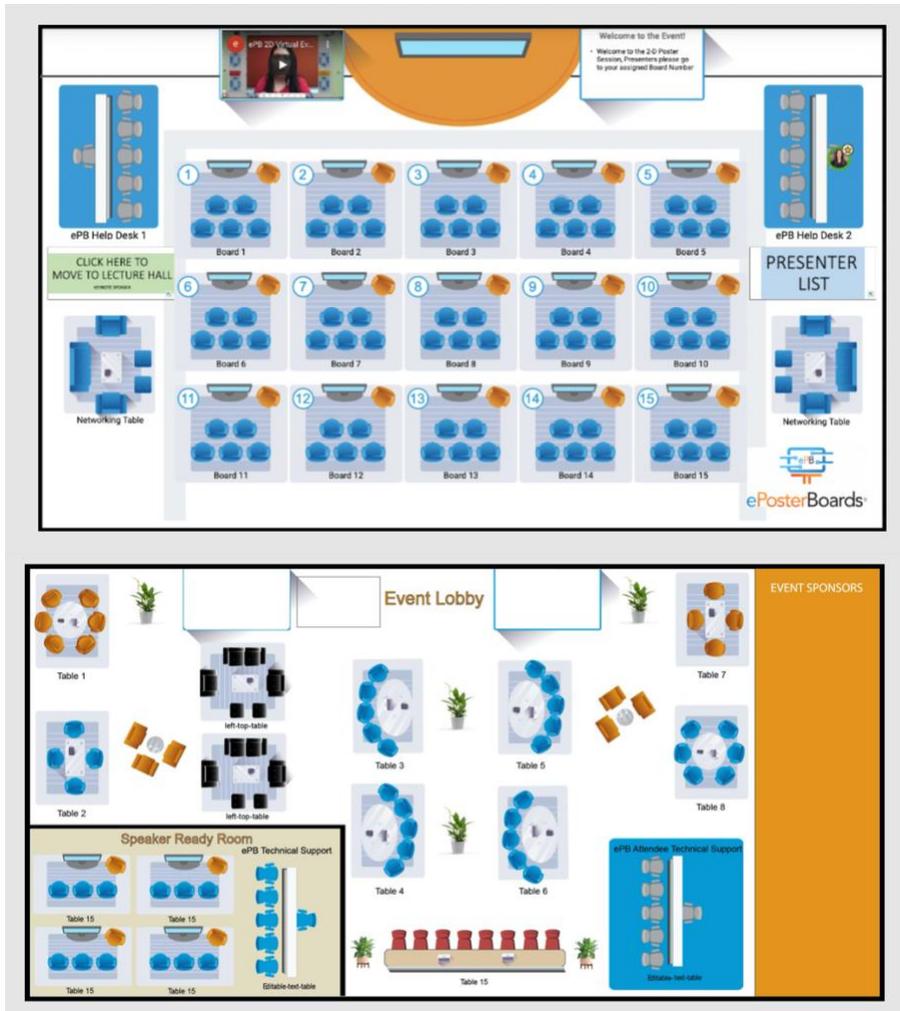
### **Virtual Conference**

- Lecture
- Panel Discussion
- Poster Sessions

### **Eposterboard**

#### *Poster Hall*

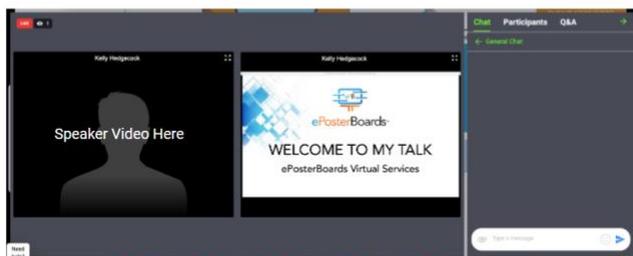
- *Two floors, which each floor has*
- *Seating capacity for 100 people*
- *2 networking tables with 5 seats*
- *Each floor has 15 presenters*
- *Each presenter's room has 5 seats*



## Lobby

- *One floor (75 people at any time)*

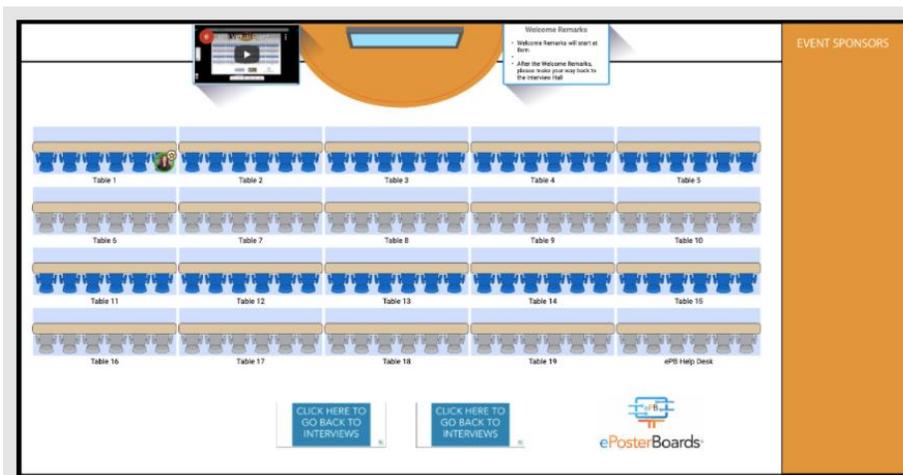
## Speaker Stage



- Multiple speakers can be on stage
- Speakers can share their screen
- Audience cannot turn camera or mic on unless given permission
- Top left corner shows how many are watching
- Talks can be recorded
- Right side panel has chat feature, participants list and a Q&A box
- Audience can upvote questions in the Q&A box

## Lecture Halls

- Two floors, which each floor has
- Seating capacity for 120 people
- Each floor has 20 presenters
- Each table room has 6 seats



### PACKAGE 1

\$4,000

- 4 hours of usage (including presenter check-in)
- 1 Event Room (2 floors)
- 1 Event Lobby (1 floor)
- 1 Presenter Community Site
- 1 Technical Webinar
- 3 ePosterBoards moderators during the event
- Screen-shared presentations
- Up to 2 sessions with 60 presenters
- Access to 6-seat floor plan
- 2 Sponsor Ads
- 275 Attendees at any given time between lobby & event rooms

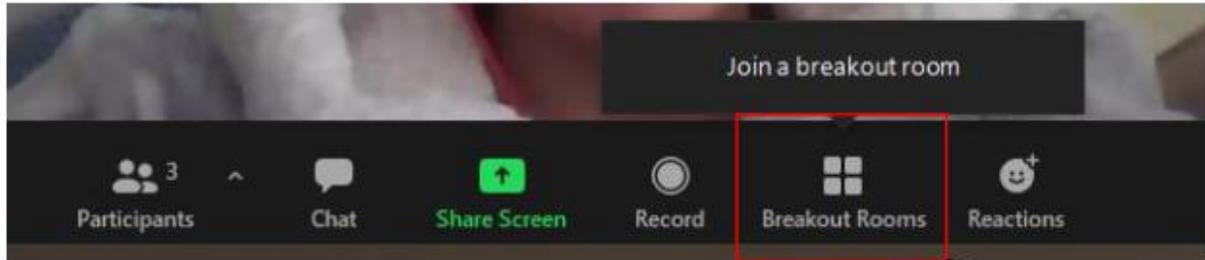
### PACKAGE 2

\$7,000

- 6 hours of usage (including presenter check-in)
- 2 Event Rooms (2 floors in each room or 3 floor/1 floor in each room)
- 1 Event Lobby (1 floor)
- 2 Presenter Community Sites
- 2 Technical Webinars
- 5 ePosterBoards moderators during the event
- Screen-shared presentations
- Up to 3 sessions with 90 presenters
- Access to 6-seat floor plan
- 4 Sponsor Ads
- 475 Attendees at any given time between lobby & event rooms

## Zoom 5.3+

Click on the “Breakout Rooms” icon. If you don’t see it on your Zoom ribbon, click on the three dots (...) and then “Breakout Rooms”



When you click on “Breakout Rooms” it will pop up “Breakout Rooms – In Progress”. In the example below you can see that Emily has joined Room 2.



### NHERI AGU Booth Schedule 2020

Date	Time (EST)	Name	Topic/Purpose	Event Link
12/1	4:00-5:00 pm	Koorosh Lotfizadeh, NHERI UCSD	NHERI UCSD Virtual Networking	<a href="https://bit.ly/NHERI_UCSD">https://bit.ly/NHERI_UCSD</a>
12/2	2:00-3:00 pm	Kenneth Stokoe & Farnyuh Menq, NHERI UTexas	NHERI UTexas Virtual Networking	<a href="https://bit.ly/NHERI_UTexas2">https://bit.ly/NHERI_UTexas2</a>
	3:00-5:00 pm	Arindam Chowdhury, Steven Diaz, Amal Elawady, Ioannis Zisis, NHERI FIU	NHERI FIU Proposal Planning	<a href="https://bit.ly/NHERI_FIU">https://bit.ly/NHERI_FIU</a>
12/3	5:00- 6:00 pm	Kenneth Stokoe, Brady Cox, Farnyuh Menq, NHERI UTexas	Shared-Use of NHERI@UTexas Mobile Shakers for Geophysical and Seismological Research	<a href="https://designsafe-ci.zoom.us/meeting/register/tJYpce2urzgpG92raoz38EdJi7VGBGcuUA06">https://designsafe-ci.zoom.us/meeting/register/tJYpce2urzgpG92raoz38EdJi7VGBGcuUA06</a>
12/4	10:00 am-12:00	Kurt Gurley, Jennifer Bridge,	NHERI UF Virtual Networking and Proposal	<a href="https://bit.ly/NHERI_UF">https://bit.ly/NHERI_UF</a>

	pm	NHERI UF	Planning	
<b>12/5</b>	2:00-3:00 pm	Kenneth Stokoe and Farnyuh Menq, NHERI UTexas	NHERI UTexas Virtual Networking	<a href="https://bit.ly/NHERI_UTexas4">https://bit.ly/NHERI_UTexas4</a>
<b>12/6</b>				
<b>12/7</b>	11:00 am -12:00 pm	Julio Ramirez, NHERI NCO PI Rachel Adams,	NHERI Representative available to chat in NHERI Booth.	Chat in Booth
	1:00-1:30 pm	Michael Grilliot, NHERI RAPID		Chat in Booth
	6:00-7:00 pm	Kurt Gurley, NHERI UF EF	NHERI UF Virtual Networking and Proposal Planning	<a href="https://bit.ly/NHERI_UF">https://bit.ly/NHERI_UF</a>
<b>12/7</b>	6:00-7:00 pm	<b>Billy Edge, NHERI NCO</b>	NHERI Representative available to chat in NHERI Booth.	Chat in Booth
<b>12/8</b>	11:00-12:00pm	Julio Ramirez, NHERI NCO PI, Rachel Adams,	NHERI Representative available to chat in NHERI Booth.	Chat in Booth
	1:00-1:30 pm	Michael Grilliot, NHERI RAPID	NHERI Representative available to chat in NHERI Booth.	Chat in Booth
	6:00-7:00 pm	Steve Diaz, NHERI FIU	NHERI Representative available to chat in NHERI Booth.	Chat in Booth
<b>12/9</b>	11:00 am-12:00 pm	Steve Diaz, NHERI FIU	NHERI Representative available to chat in NHERI Booth.	Chat in Booth
	1:00-1:30 pm	Michael Grilliot, NHERI RAPID	NHERI Representative available to chat in NHERI Booth.	Chat in Booth
	2:00-3:00 pm	Liang Cao, NHERI Lehigh	NHERI Lehigh Virtual	<a href="https://bit.ly/NHERI_LEHIGH">https://bit.ly/NHERI_LEHIGH</a>

			Networking	
	3:00-4:00 pm	Julio Ramirez, NHERI PI	An Introduction to International Partnerships through NHERI, for early career researchers	LINK
	3:00-5:00 pm	Arindam Chowdhury, Steven Diaz, Amal Elawady, Ioannis Zisis, NHERI FIU	NHERI FIU Proposal Planning	<a href="https://bit.ly/NHERI_FIU">https://bit.ly/NHERI_FIU</a>
	6:00-7:00 pm	Kurt Gurley, NHERI UF EF	NHERI UF Virtual Networking and Proposal Planning	<a href="https://bit.ly/NHERI_UF">https://bit.ly/NHERI_UF</a>
	6:00-7:00 pm	Billy Edge, NHERI NCO	NHERI Representative available to chat in NHERI Booth.	Chat in Booth
<b>12/10</b>	11:00 am-12:00 pm	Julio Ramirez, NHERI NCO PI	NHERI Representative available to chat in NHERI Booth.	Chat in Booth
	1:00-1:30 pm	Michael Grilliot, NHERI RAPID	NHERI Representative available to chat in NHERI Booth.	Chat in Booth
	5:00-6:00 pm	Robin Nelson, NHERI ECO	NHERI Summer Institute Event	<a href="https://bit.ly/NHERI_SummerInstitute">https://bit.ly/NHERI_SummerInstitute</a>
	6:00-7:00 pm	Billy Edge, NHERI NCO	NHERI Representative available to chat in NHERI Booth.	Chat in Booth
<b>12/11</b>	9:00-11:00am	Kurt Gurley, Jennifer Bridge, Brian Phillips, NHERI UF	NHERI UF Virtual Networking and Proposal Planning	<a href="https://bit.ly/NHERI_UF">https://bit.ly/NHERI_UF</a>
	11:00 am-12:00 pm	Julio Ramirez, NHERI NCO PI, Rachel Adams,	NHERI Representative available to chat in NHERI Booth.	Chat in Booth

	1:00-1:30 pm	Michael Grilliot, NHERI RAPID	NHERI Representative available to chat in NHERI Booth.	Chat in Booth
	6:00-7:00 pm	Michael Grilliot, NHERI RAPID	NHERI Representative available to chat in NHERI Booth.	Chat in Booth
<b>12/12</b>				
<b>12/13</b>				
<b>12/14</b>				
<b>12/15</b>	11:00 am-2:00 pm	Julio Ramirez, NHERI PI	NHERI-EUCentre Foundation	LINK
	1:00-3:00 pm	Jennifer Bridge, Kurt Gurley, NHERI UF	NHERI UF Virtual Networking and Proposal Planning	<a href="https://bit.ly/NHERI_UF">https://bit.ly/NHERI_UF</a>
	4:00-5:00 pm	Koorosh Lotfizadeh, NHERI UCSD	NHERI UCSD Virtual Networking	<a href="https://bit.ly/NHERI_UCSD">https://bit.ly/NHERI_UCSD</a>
<b>12/16</b>	8:00-11:00 am	Julio Ramirez, NHERI PI	NHERI-NIED/E-Defense	LINK
	3:00-5:00 pm	Arindam Chowdhury, Steven Diaz, Amal Elawady, Ioannis Zisis, NHERI FIU	NHERI FIU Proposal Planning	<a href="https://bit.ly/NHERI_FIU">https://bit.ly/NHERI_FIU</a>
<b>12/17</b>	5:00-6:00 pm	Robin Nelson, NHERI ECO	NHERI REU Virtual Recruitment Event	<a href="https://bit.ly/NHERI_REU2021">https://bit.ly/NHERI_REU2021</a>