

NHERI Network Independent Advisory Committee

Meeting #1 (videoconference)

May 26th 2017, 2:00 to 3:00 PM ET

Minutes

1. Welcome and Attendance

In attendance:

NIAC: Lesley Ewing, Bill Hansmire, Farzad Naeim, Catherine Petroff, John van de Lindt, Richard Woods.

NSF: Joy Pauschke.

NCO: Julio Ramirez

Absent:

NIAC: Peter Vickery.

The members of the NIAC introduced themselves, and recognized Dr. Joy Pauschke, NSF Program Director Engineering for Natural Hazards (ENH), Natural Hazards Engineering Research Infrastructure (NHERI) from the Division of Civil, Mechanical and Manufacturing Innovation (CMMI) in the Directorate for Engineering (ENG) of the National Science Foundation. Prof. Julio Ramirez from the Lyles School of Civil Engineering of Purdue University and NHERI Network Coordination Office (NCO) introduced himself and elaborated on the role of the NCO as convener of the Governance of NHERI (Figure 1). He elaborated on the role of the NCO in providing administrative and travel (in-person meeting) support for the NIAC. The NIAC requested a copy of the NSF 15598 Solicitation which describes the NHERI construct and outlines the roles and responsibilities of the three groups making the NHERI governance: (i) Council of PIs, (ii) NIAC and (iii) User Forum.

Action Item: Julio Ramirez to distribute the 15598 Solicitation to the NIAC with the minutes of the meeting.

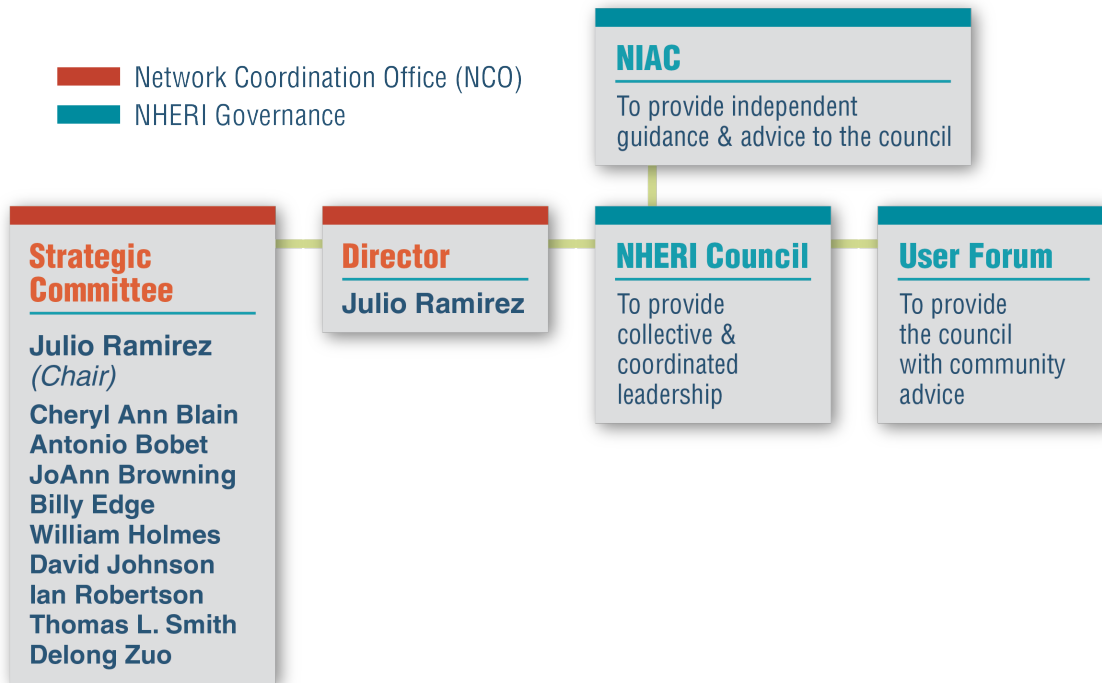


Figure 1. NHERI Governance and NCO Leadership

2. Review of Role and Responsibilities

A review was conducted of the role of the NIAC in providing independent guidance and advice to the Council on: (a) progress, plans, and performance of the Awardees and annual Council work plan, (b) an assessment of the level of community engagement and user satisfaction across NHERI, with input from the User Forum survey results, (c) an assessment of NHERI’s continuing value added for and impact on research and educational advancements, and (d) assessment of the transparency and efficiency of the NCO's Facility Scheduling Protocol.

The charge of all governance groups was also reviewed. In particular the NIAC is charged with providing a high level advice to the Council; and, to keep the community informed and able to provide input on the annual activities of NHERI, the NIAC will prepare annual reports for publication on the NHERI website.

3. Council Operating Procedures

The NIAC members decided to review the Council operating procedures as the first step in developing those of the NIAC. At the in person meeting on July 25th during the Summer Institute in San Antonio, the NIAC will take on the task of developing the procedures.

Action Item: Julio to distribute with the minutes a copy of the Council Operating Procedures document.

4. Schedule in-person Meeting during the NHERI Summer Institute (July 24-28)

The NIAC agreed to meet quarterly with at least one of those meetings an in-person meeting, and to receive the Council Y1 Annual Report by the end of June. It also agreed that the next meeting will be an in person meeting.

Action Item: NIAC to meet in person on July 25th and to set aside 1 hour starting at 4:00 PM local time for a joint meeting of the NHERI Governance with in-person participation of the Council and the User Forum members.

5. NSF Remarks-

Dr. Joy Pauschke

Program Director

Engineering for Natural Hazards (ENH) https://nsf.gov/funding/pgm_summ.jsp?pims_id=505177

Natural Hazards Engineering Research Infrastructure (NHERI)

Division of Civil, Mechanical and Manufacturing Innovation (CMMI)

Directorate for Engineering (ENG)

National Science Foundation

Dr. Pauschke reviewed the NIAC's charge to provide high-level advise to the Council on all NHERI activities and to keep the community informed and able to provide input. She indicated that in fulfilling the charge the NIAC was not restricted to any particular source of information. She also illustrated the similarities between UNOLS (Academic Research Fleet) where is funded through separate cooperative agreements, and managed with a centralized scheduling and NHERI. Finally Dr. Pauschke left the NIAC with the following questions to consider:

- What are disruptive technologies, e.g., new materials, additive manufacturing, new design methodologies, etc., that could radically lead to whole new concepts for multi-hazard resilient and sustainable building structures? What role can NHERI play?
- What are transformative concepts for natural hazards mitigation, what research is needed to realize these concepts, and what role can NHERI play?
- Grand challenge - How will the buildings of 20xx be designed and constructed, i.e., a futuristic vision - and what research is needed now to realize that vision? How can engineering researchers partner with visionary architects? What role can NHERI play?
- How can the research community best form teams to address grand challenge research questions using NHERI resources?

6. NHERI Update (Julio)

Julio introduced the NCO and discussed the priorities of the NCO and NHERI for Y2:

- Serve at the highest level the needs of the NHERI users.
- Disseminate the impact of the NHERI activities
- Develop next generation of leaders in the mitigation of the impact of earthquakes, windstorms, tsunamis and storm surge on society
- Build a multi-hazard community

7. New Business

8. Adjourn

Motion to adjourn made by Farzad Naeim and seconded by Dick Woods. Meeting adjourned at 3:06 PM