

NHERI- Network Independent Advisory Committee (NIAC)

Meeting #2 (in person) in the Faculty Center at the JPL Library UTSA, San Antonio Texas

July 25, 2017 at 2:30 to 5:00 PM CT

Minutes

1. Welcome and Attendance

Meeting started at 2:30 PM. Present: Lesley Ewing (remotely), Bill Hansmire, Farzad Naeim (remotely), Catherine Petroff, John van de Lindt, Peter Vickery, Richard Woods and Julio Ramirez (ex-officio NCO).

2. NIAC Operating Procedures (NIAC): under Item 3 of the NIAC meeting minutes of May 26, the members of the NIAC asked for the Council Operating Procedures to review these prior to the July 25 meeting help in the development of the procedures for the NIAC. These were distributed in the same e-mail message (June 7) with the minutes of the 5/26 meeting of the NIAC.

The operating procedures of the Council were discussed. The NIAC did not vote on adoption, but began using it informally, in the process for election of officers covered under Item 3 of the Agenda.

Action Item 1: The NIAC to consider the question if there is a need to formally adopt the Council Operating Procedures as its own, until such time as the NIAC deems necessary to modify them. Alternatively, the NIAC may choose to continue to use the Council operating procedures informally. This item is to be addressed at the next meeting.

Action Item 2: Approval of the 5/26 Meeting Minutes moved by John van de Lindt, seconded by Catherine Petroff. Minutes approved as distributed.

3. Election of Officers of the NIAC.

The committee decided to elect a chair and vice-chair for a term to conclude June 30, 2018. After discussion the committee welcomed nominations from the floor. Dick Woods nominated John van de Lindt for chair and Bill Hansmire for vice-chair and Peter Vickery seconded the motion. The committee unanimously supported the nominations.

Action Item 3: John van de Lindt was elected chair of the NIAC and Bill Hansmire as vice-chair for a term ending on June 30, 2018.

Action Item 4: next meeting to be scheduled during October 2017. Julio Ramirez to distribute a poll to find suitable date and time for the 1-hour meeting (see Minutes of 5/26/17 meeting).

4. NHERI Update (Julio and See Item 5 of Council Agenda): Julio will provide an update on the outcome of the Year 1 activities and the NSF site visit review of the NCO. Under Item 5 of the Council Agenda each facility will provide an update.

Julio Ramirez reported on the priorities of NHERI for Year 2 outcomes from the NSF annual site visit review. These are to grow the community; bring the various communities earthquake, wind and coastal engineering together to become more multi-hazard in their approach to risk mitigation; and, to broadly disseminate the impact of NHERI work on making a more resilient and sustainable civil infrastructure (see attachment).

Action Item 5: Julio will distribute the site visit report and NCO response to NSF and the review team. NSF has accepted the response as submitted.

Action Item 6: A set of instructions to register in DesignSafe-CI is attached to these Minutes. Julio will create a private folder for the NIAC to put documents and exchange other relevant information and the NIAC members after registering should notify Julio so that he can share the access to the folder with them.

5. Preparation of the NIAC's response to the questions presented by Dr. Pauschke (see Item 5 of the minutes of the 5/26 meeting):
 - a. 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?
 - b. What are transformative concepts for natural hazards mitigation, what research is needed to realize these concepts, and what role can NHERI play?
 - c. 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?
 - d. How can the research community best form teams to address grand challenge research questions using NHERI resources?

NIAC discussed the preparation of a response to the four questions. Following discussion that reflected the daunting task of responding to each of the four questions, the committee deliberated on the best course of action.

Action Item 7: The chair will prepare a draft response and distribute to the NIAC members for comment by the end of August 2017. The chair also request that all members provide their cell number to Julio and that he distributes to the NIAC the compiled information.

6. New Business

No new business came before the committee.

7. Adjourn

Meeting was suspended at 3:59 PM and then reconvened as the Joint Meeting of the Governance at 4:10 PM.