

# **NHERI- Network Independent Advisory Committee (NIAC)**

## **WEBEX Virtual Meeting Topic: NIAC 3rd Meeting in Year-2**

**Time: Feb 9, 2018 at 1:00 PM ET**

Title: NIAC Meeting #3 Year 2- Feb. 9

Location: <https://purdue.webex.com/purdue>

When: Fri 9 Feb 2018 1:00 PM – 3:00 PM

Organizer: webex <messenger@webex.com>

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### **Minutes**

1. (15') Welcome, Attendance and Review of action items and approval of the previously distributed Minutes of the 11-13-17 Meeting (John van de Lindt)  
NIAC Attendance: Lesley Ewing, Bill Hansmire, Catherine Petroff, John van de Lindt, and Richard Woods and Julio Ramirez, Network Coordination Office (NCO). Guest: Joy Pauschke, National Science Foundation (NSF).  
Minutes of 11-13 were approved as distributed. Catherine moved approval and Lesley seconded.
2. (10') NSF Remarks (Joy Pauschke)
  - The Natural Hazards Engineering Research Infrastructure (NHERI) Natural Hazards Reconnaissance (RAPID) Facility and the Computation Modeling and Simulation Center (SimCenter) are coming up to speed and now all the NHERI components are acting and working hard.
  - Trying to increase efficiency and minimize the effort associated with the annual review to the facilities, this year NSF will be conducting the reviews of the facilities via remote participation with the review team at NSF. Dates have not been finalized yet but tentatively are planned for May and June and logistics are being worked out.
  - NSF had provided institutional support for over 20 years to the earthquake community and 2 or so years to the wind community with NHERI. Thinking beyond 2021 what are the needs of the community in terms of resources to address the research needed to reduce the impact to civil infrastructure from earthquakes and windstorms. What are the research agendas to be pursued and the role of data science, new materials, and other technologies?
  - Next year NSF will begin formulation of plans beyond 2021.

In regard to the last bullet item, John asked if the effort of NSF would involve National Academy of Engineering (NAE) or the National Academy of Sciences (NAS) committees or workshops. Joy indicated that NSF already had in hand information such as the NHERI Science Plan, the 2010 Workshop led by NAS, the National Institute of Standards and Technology (NIST) Coastal Inundation Report that will serve as the basis, and additional efforts would be undertaken to fill any possible gaps in information.

3. (25') NCO 2nd Quarter Report Highlights and NHERI Priorities in Year-2, including an update on utilization of the facilities, activities of the Council and User Forum, Research Experiences for Undergraduates (REU) program organization and Summer Institute Year-2 (Julio Ramirez)  
The report from the NCO is attached to the minutes of this meeting. Specific items covered were: (i) Activities of the Council and User Forum; (ii) Summer Institute; (iii) REU Program; (iv) International Partnerships; (v) Newly formed Technology Transfer Committee (TTC); (vi) Research Support at the Experimental Facilities; and (vii) Science Plan activities in Year 2, including the request to NSF for a supplement as part of the Year-2 Council annual work plan.

John pointed out the activities of the Department of Homeland Security (DHS) in this regard and suggested that the TTC looked into possible synergies with this activity. He also mentioned that Ports and Airport Research Institute (PARI) in Japan could be a good partnership. Julio indicated that work had started in this regard. In reference to the Science Plan activity, John asked if there was a possibility of a joint workshop with NIAC. Then indicated that this could be discussed under Item 6.

**Action Item:** Julio will put the Chair of the TTC, Bill Holmes, in contact with John to get more details on the DHS activity.

4. (10') Update on the NSF annual review of NHERI (Julio Ramirez)  
Item addressed under Item 2 of the Agenda.
5. (15') Next Meeting: discuss the need for an in-person during the Summer Institute on June 6, 2018 in San Antonio Tx. (All)

**Action Item:** Julio will distribute a poll to determine the support for an in-person meeting on June 6. The tentative Agenda for the Summer Institute is in the NCO report attached to these minutes.

6. (30') Workshop 2-pager process for NSF and outline development (John van de Lindt)  
John proposed to work with the NCO on a joint workshop.

**Action Item:** Julio will share proposal supplement with the NIAC and asked for a show of hands, yes in favor of the joint activity, and no would mean that the NIAC continues to investigate a separate workshop perhaps in 2019. Please respond by Thursday 2/15.

7. (10') New Business  
No new business came before the NIAC.
8. Adjourn  
Meeting adjourned at 2:27 PM ET.