Second Planning Meeting of the NHERI and EUCENTRE Research Collaboration

Agenda

September 13, 2019

-EUCENTRE Laboratory-

12.00 - 13.30  Lunch

13.30 – 15.00  Session 1: Possible Collaboration Topics between NHERI and EUCENTRE- Part 1

(Co-Chairs: Julio Ramirez and Alberto Pavese)

(10’ presentations including 3-5’ Q/A)

1. Andreas Stavridis- SUNY- Buffalo
Post-event reconnaissance: Combining lidar scans and acceleration measurements to develop nonlinear models of damaged school buildings in Nepal

2. Yelda Turkan
LiDAR and Unmanned Aerial Systems along with BIM for earthquake reconnaissance

3. Shirley Dyke- Purdue University
Post-Event Reconnaissance: Tools for information and decision making to enable targeted Inspection/Reconnaissance

4. Jim Ricles
Multi-directional Large-Scale Cyclic Testing of Cross-Laminated Timber Sub-assemblages

5. Gian Andrea Rassati
The Structural and Geotechnical Engineering Laboratories at The University of Cincinnati

15.00-15.15  Coffee break
Session 2: Possible Collaboration Topics between NHERI and EUCENTRE- Part 2

(Co-Chairs: Julio Ramirez and Alberto Pavese)

(10’ presentations including 3-5’ Q/A)

1) A. Pavese, R. Nascimbene
   Plastic/Rubber coating on the inner surface of a dam/tank

2) C. Lai
   In Situ Measurement of Damping Ratio in Soil Deposits Via Full Waveform Inversion of Seismic Cross-Hole Testing Data

3) F. Dacarro, D. Bolognini
   Advanced techniques for experimental in-situ dynamic tests on real scale structures

4) G. Magenes, P. Morandi, R. Milanesi
   Recent experimental outcomes on the seismic response of masonry infill systems,
## Travel Information Participants from the USA: NHERI /EUCENTRE 2nd Joint Research Collaboration Meeting

<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
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<tbody>
<tr>
<td>1. Barbara Gwynne Simpson</td>
<td>Oregon State University</td>
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<td>2. Shirley Dyke</td>
<td>Purdue University</td>
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<td>3. Yelda Turkan</td>
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<td>4. Huda Munjy</td>
<td>UC Irvine</td>
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<td>5. Gian Andrea Rassati</td>
<td>University of Cincinnati</td>
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<td>6. Jim Ricles</td>
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<td>7. Julio Ramirez</td>
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<td>8. Arturo Schultz</td>
<td>University of Minnesota</td>
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<td>9. Andreas Stavridis</td>
<td>SUNY- Buffalo</td>
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List of Presentations

September 12th - Hybrid Simulation Workshop

1. Barbara Gwynne Simpson - Oregon State University
   Real-time hybrid simulation for fluid-structure interaction with coastal structures

2. James Ricles - Lehigh University
   Advances in Real-Time Hybrid Simulation and Extension to Multi-Natural Hazards

3. Gian Andrea Rassati
   LEVERAGING THE FEEDBACK FROM EXPERIMENTAL DATA TO MAGNIFY THE IMPACT OF HYBRID TESTING.
   S.M. Abbas (Dassault Systèmes SIMULIA Corporation), Gian A. Rassati (University of Cincinnati)

4. Shirley Dyke - Purdue University
   Enabling RTHS with Non-Linear Systems

5. Arturo Schultz - University of Minnesota
   Advances in quasi-static hybrid simulation of large-scale structural systems.

6. Andreas Stavridis - SUNY-Buffalo
   Innovative retrofit schemes for concrete and masonry structures
September 13th: 10’ presentations including 3-5’ Q&A

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   Post-event reconnaissance: Combining lidar scans and acceleration measurements to develop nonlinear models of damaged school buildings in Nepal

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   Post-Event Reconnaissance: Tools for information and decision making to enable targeted Inspection/Reconnaissance

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