



## 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**

15.15 – 16.15

**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,

16.15- 17:30

**Session 3: Open Discussion, Summary and Next Steps**

(Co-Chairs: Alberto Pavese and Julio Ramirez)

## Travel Information Participants from the USA: NHERI /EUCENTRE 2<sup>nd</sup> Joint Research Collaboration Meeting

Name	Affiliation
1. Barbara Gwynne Simpson	Oregon State University
2. Shirley Dyke	Purdue University
3. Yelda Turkan	Oregon State University
4. Huda Munjy	UC Irvine
5. Gian Andrea Rassati	University of Cincinnati
6. Jim Ricles	Lehigh University
7. Julio Ramirez	Purdue University
8. Arturo Schultz	University of Minnesota
9. Andreas Stavridis	SUNY- Buffalo

## 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

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THE STRUCTURAL AND GEOTECHNICAL ENGINEERING LABORATORIES AT THE UNIVERSITY OF CINCINNATI