

NHERI Lehigh: Real-Time Multi-Directional (RTMD) Natural Hazards Experimental Facility Researcher's Workshop

NHERI RTMD Equipment Site
Lehigh University
November 9, 2015



General Housekeeping Items

- Continental breakfast available in B101 (courtesy of ATLSS Engineering Research Center)
- B101 will be used for all presentations
- A104 will be used for hands on activity preparation
- H150/A121 will be used for hands on testing
- A108 available if private office space required
- Lunch will be available in A200 (courtesy of ATLSS Engineering Research Center)
- Restrooms
- Wireless

Objectives

- To provide participants information about the NHERI Lehigh Experimental Facility capabilities
- To understand how the NHERI Lehigh Experimental Facility capabilities can enhance your research
- To provide information for preparing NSF proposals which use the NHERI Lehigh Experimental Facility
- To provide the basics of real-time hybrid simulation through lectures and hands-on demonstrations

Agenda

Start Time	End Time	Room #	Description	Presenter	Title
8:15 am	8:45 am	B101	Registration and Continental Breakfast	Lehigh EF Staff	-----
8:45 am	8:55 am	B101	Welcome, Objectives, and Agenda Review	James Ricles	Facility PI
8:55 am	9:05 am	B101	Introduction to NHERI Lehigh Experimental Facility Staff and Website	Chad Kusko	ATLSS Admin. Dir.
9:05 am	9:20 am	B101	Overview of NHERI Lehigh Experimental Facility	James Ricles	Facility PI
9:20 am	10:30 am	B101	NHERI Lehigh Experimental Facility Capabilities and Protocols	James Ricles Thomas Marullo	Facility PI Systems Admin
10:30 am	10:40 am	-----	Break	-----	-----
10:40 am	11:20 am	B101	NHERI Lehigh Experimental Facility Project Portfolio	James Ricles Muhannad Suleiman	Facility PI ATLSS Faculty
11:20 am	12:00 pm	H150	NHERI Lehigh Experimental Facility Tour	Peter Bryan	ATLSS IT Mgr.
12:00 pm	1:00 pm	A200	Lunch	-----	-----
1:00 pm	1:30 pm	B101	Guidelines For Proposal Preparation	Chad Kusko	Ops Mgr
1:30 pm	2:00 pm	B101	Real-Time Hybrid Simulation: Background, Theory and Implementation	Chinmoy Kolay	Research Engineer
2:00 pm	2:20 pm	B101	Distribution of Hands-on Laboratory Exercises: (1) Real-Time Hybrid Simulation of Steel Building System; (2) Soil Structure Interaction Pile Test	Chinmoy Kolay Muhannad Suleiman	Research Engineer ATLSS Faculty
2:20 pm	2:35 pm	-----	Break	-----	-----
2:35 pm	4:35 pm	A104 & H150	Hybrid Simulation and SSI Pile Testing: Hands-on Participation	Lehigh EF Staff	-----
4:35 pm	5:00 pm	B101	Questions, Closing Remarks, and Evaluations	Lehigh EF Staff	-----