

**NHERI@UC SAN DIEGO 5<sup>TH</sup> USERS TRAINING WORKSHOP  
IN COLLABORATION WITH NHERI@LEHIGH & NHERI SIMCENTER**

**Day 1: Facility Capabilities and Collaborative Research Planning  
DECEMBER 16-17 2019; SAN DIEGO, CA**

**(Final Agenda)**

**Day 1 (Dec 16, 2019): Facility Capabilities and Collaborative Research Planning**

*Location: SME Building (Cymer Conference Center – SME 248), UCSD Main Campus*

Start Time	Duration (min)	Topic	Speaker
7:30	30	Registration/light breakfast	
8:00	15	Welcome, introduction of each attendee & workshop schedule	Prof Joel Conte, UCSD PI
8:15	60	NHERI@UCSD: Facility description and capabilities	Prof Joel Conte, UCSD PI
9:15	60	NHERI@Lehigh: Facility description and capabilities	Prof Jim Ricles, Lehigh PI
10:15	15	Break	
10:30	40	NHERI SimCenter: Capabilities	Prof Laura Lowes, University of Washington, SimCenter co-PI
11:10	40	Example project: UCSD	Prof Chia-Ming Uang, UCSD
11:50	40	Example project: Lehigh	Prof Jim Ricles, Lehigh PI
12:30		Lunch & leave for tour (1:00 – 3:00)	Via Bus
		Tour of UCSD facility	
3:00	45	Example use of SimCenter/data/analysis tools for multiple collaborative projects	Dr. Adam Zsarnóczyay, Post-doctoral researcher, Stanford University, SimCenter
3:45	30	DesignSafe tools and capabilities	Dr. Tim Cockerill, DesignSafe Deputy Project Director, Texas Advanced Computing Center
4:15	30	Modular Testbed Building: Opportunities for Future Research	Prof Chris Pantelides, University of Utah
4:45	30	Research Planning in a nutshell	Prof Tara Hutchinson, UCSD co-PI
5:15	15	Concluding remarks	Prof Joel Conte, UCSD PI
(> 5:30PM) Dinner & poster session on courtyard			

***Workshop slides may be found here:***

<https://drive.google.com/open?id=1v2cUI5E1YKJ7rVXeYsWEH-WOtrQNfaLF>

**Day 2 (Dec 17, 2019): Grand Challenges in Earthquake Engineering**

Location: SME Building (Cymer Conference Center – SME 248), UCSD Main Campus

Start Time	Duration (min)	Topic	Speaker
	30	Light breakfast	
8:00	5	Opening remarks	Prof Joel Conte, UCSD PI
	10	NSF NHERI Facilities and Research Programs	Dr. Joy Pauschke, National Science Foundation
	45(15Q/A)	GC1: Structural Systems <i>List of open issues and scope of problem</i> <i>Example use of facilities to address key scientific needs</i>	Prof. José Restrepo, UCSD
	45(15Q/A)	GC2: Community Resilience <i>List of open issues and scope of problem</i> <i>Example use of facilities to address key scientific needs</i>	Prof. John van de Lindt, Colorado State University
10:15	15	Break	
	45(15Q/A)	GC3: Nonstructural Components and Systems <i>List of open issues and scope of problem</i> <i>Example use of facilities to address key scientific needs</i>	Prof. Manos Maragakis, University of Nevada, Reno
	45(15Q/A)	GC4: Liquefaction & Soil-Structure Interaction <i>List of open issues and scope of problem</i> <i>Example use of facilities to address key scientific needs</i>	Prof Bruce Kutter, University of California, Davis
		Concluding Remarks	Prof Joel Conte, UCSD PI
12:30	30	Wrap up lunch	