

## UC San Diego NHERI WORKSHOP A USERS PERSPECTIVE ON SHAKE TABLE SEISMIC TESTING

MONDAY AND TUESDAY - DECEMBER 14 & 15, 2015

Monday - December 14, 2015      Holiday Inn

- 8:30 - 9:00 am      Registration and welcome
- 9:00 - 9:15 am      Welcoming remarks by the Chair of the Structural Engineering Department [Benson Shing, Professor, UCSD]
- 9:15 - 10:00 am      Overview: Major equipment, access, and site support, financial and project agreement [Joel Conte, Professor, UCSD]
- 10:00 - 10:45 am      Shake Table Dynamics and Control: Equipment functioning, performance and limitations [Joel Conte, Professor, UCSD]
- 10:45 - 11:00 am      Break
- 11:00 - 11:45 pm      Large-Scale Shake Table Testing: Test protocols, test execution, site safety, work tasks [Jose Restrepo, Professor, UCSD]
- 11:45 - 12:30 pm      Example of Total Project Planning – Case Study 1: “PCI Building”: [Robert Fleischman, Professor, University of Arizona]
- 12:30 - 1:30 pm      Lunch
- 1:30 - 2:30 pm      Facility Tour
- 2:45 - 3:30 pm      Instrumentation and Data Acquisition (rapid visualization and analysis of data): calibration, data reduction/analysis, error analysis, special sensors, GPS [Dan Radulescu, Site Manager; Robert Beckley, IT Manager; Rodrigo Astroza, Postdoctoral Researcher, UCSD]
- 3:30 - 3:50 pm      Joy Pauschke, NSF NHERI Program Director, by teleconference: Will answer Workshop Participant questions about NSF ENH Research Program
- 3:50 - 4:05 pm      Break
- 4:00 - 4:45 pm      Modeling, Similitude and Simulation: Pre-test simulation, modeling and scaling of structural specimens, scaling of ground motions [Andreas Koutras, Ph.D. Student, UCSD]
- 4:45 - 5:00 pm      Break
- 5:00 - 5:45 pm      Example of Total Project Planning – Case Study 2: “Geo-Structures”: [Andreas Gavras, Ph.D. Student, UC Davis]
- 6:00 pm      Dinner

**Tuesday - December 15, 2015**

**Holiday Inn**

9:00 - 9:45 am

[Example of Total Project Planning – Case Study 3: “BNCS Building”:](#) [Tara Hutchinson, Professor, UCSD]

9:45 - 10:30 am

[Data Management, Archiving and Sharing:](#) [Elide Pantoli, Ph.D. Student, UCSD]

10:30 - 10:45 am

Break

10:45 - 11:30 pm

[Hybrid Shake Table Testing:](#) Background, hardware, capabilities, algorithms, hybrid models [Gilberto Mosqueda, Professor, UCSD]

11:30 - 12:00 pm

[Education and Community Outreach:](#) Technology transfer, project videos, professional development, K-12 outreach [Lelli Van Den Einde, Teaching Professor, UCSD]

12:00 - 12:30 pm

[Questions & Answers and Closure](#)

12:30 - 1:30 pm

Lunch

