

NATURAL HAZARDS ENGINEERING RESEARCH INFRASTRUCTURE

SUMMER INSTITUTE

June 20-22, 2022



San Antonio, Texas,
UTSA Downtown Campus,
Durango Building

NHERI Summer Institute Day 1

Monday, June 20, 2022

Time	Session	Location
7:30-8:30am	Registration & breakfast	Riverwalk
8:30-9:30am	<p>Welcome & NHERI Overview</p> <p>Presenter: JoAnn Browning, PhD, PE Dean, College of Engineering & Integrated Design, University of Texas at San Antonio</p> <p><i>Following a welcome by the NCO-ECO lead, participants will learn about the NHERI network, receive an overview of the Summer Institute objectives, and meet each other and their collaborative research group.</i></p>	La Villita
9:30-10:45am	<p>NHERI Site Presentations</p> <p>Presenter: Amal Elawady, PhD (10 minutes) Co-Principal Investigator, The Wall of Wind at Florida International University Assistant Professor, Civil & Environmental Engineering</p> <p>Presenter: Pedro Lomònaco, PhD (10 minutes) Co-Principal Investigator & Director, The O.H. Hinsdale Wave Research Laboratory at Oregon State University</p> <p>Presenter: Jennifer Bridges, PhD (10 minutes) Principal Investigator & Director, Boundary Layer Wind Tunnel at University of Florida Associate Professor, Department of Civil & Coastal Engineering</p> <p>Presenter: Ross Boulanger, PhD, PE, NAE (10 minutes) Principal Investigator & Director of the University of California, Davis, Center for Geotechnical Modeling Professor, Civil & Environmental Engineering</p> <p>Presenter: Joel Conte, PhD, SE (10 minutes) Principal Investigator of the Large High Performance Outdoor Shake Table at the University of California, San Diego Professor, Civil Engineering</p> <p>Presenter: Koorosh Lotfizadeh, PhD (10 minutes) Director of NHERI Operations and Project Scientist at the Large High Performance Outdoor Shake Table at the University of California, San Diego</p> <p>Presenter: Tricia Clayton, PhD (10 minutes) Co-PI of the Large-Scale Mobile Shakers at the University of Texas at Austin Associate Professor, Civil Engineer at Wake Forest University</p>	La Villita
10:45-11:00am	Networking Break	La Villita/Riverwalk
11:00am-12:00pm	<p>Presenters: James Ricles, PhD, PE (10 minutes) Principal Investigator & Director, Real-Time Multi-directional Earthquake Simulation Facility, Lehigh University Bruce G. Johnston Professor of Structural Engineering Deputy Director, Advanced Technology for Large Structural Systems (ATLSS) Center</p> <p>Presenter: Liang Cao, PhD Research Scientist, Real-Time Multi-directional Earthquake Simulation Facility, Lehigh University</p> <p>Presenter: Tim Cockerill, PhD (10 minutes) Director of User Services at Texas Advance Computing Center at the University of Texas at Austin</p> <p>Presenter: Laura Lowes, PhD (10 minutes)</p>	La Villita

Leadership Team, SimCenter, University of California, Berkeley
Presenter: Laura Lowes, PhD (10 minutes)
ECO Director, RAPID Facility at the University of Washington
Department Chair & Professor, Civil & Environmental Engineering
Presenter: Melissa Villarreal, CONVERGE (10 minutes)
Graduate Research Assistant, CONVERGE & Natural Hazards Center
PhD Student, Department of Sociology, University of Colorado, Boulder

12:00-1:00pm	Networking Lunch/NHERI Sites Q&A	Riverwalk
1:00-2:00pm	NHERI Researcher Panel Moderated by: Laura Lowes, PhD <i>Department Chair, Professor of Civil & Environmental Engineering, University of Washington</i>	La Villita
2:00-3:00pm	NSF CAREER Award Panel Moderated by: Karina Vielma, Ed <i>Assistant Professor of Engineering Education, University of Texas at San Antonio</i>	La Villita
3:00-3:15pm	Networking Break	La Villita/Riverwalk
3:15-4:45pm	NHERI Science Plan Presenter: Ian Robertson <i>Chair, Professor of Civil & Environmental Engineering, Arthur N.L. Chiu Distinguished Professor, University of Hawaii at Mānoa</i> Presenter: Billy Edge <i>Professor of Civil, Construction & Environmental Engineering, North Carolina State University, Head of Coastal Processes & Engineering, University of North Carolina, and Director of Renewable Ocean Energy for North Carolina</i> <i>Attendees will participate in an introduction, overview, and discussion of the third iteration of the NHERI Science Plan to address pressing research needs for the natural hazards' community. They will then break into their collaborative groups and work with guidance from Ian Robertson and Billy Edge.</i>	La Villita/Riverwalk
4:45-5:00pm	Networking Break	La Villita/Riverwalk
6:00-8:00pm	User Forum Meet & Greet with Appetizers at Mi Tierra	Mi Tierra

NHERI Summer Institute Day 2 Tuesday, June 21, 2022

Time	Session	Location
8:00-8:30am	Registration and breakfast & User Forum Introduction	Riverwalk
8:30-10:00am	NSF Proposal Writing Workshop- Presenter: Joy Pauschke , PhD, PE <i>Program Director, National Science Foundation</i> <i>Attendees meet with NSF Program Director to discuss the research merit, overview of research activities and resources, and broader impacts.</i>	La Villita
8:30-10:00pm	K-12 Educator Orientation	Alamo Board Room
10:00-12:00pm	Collaborative Groups & Joy Pauschke	La Villita/Riverwalk

Attendees will work within their collaborative groups to create their mock research proposal PowerPoint with guidance from NSF Program Director, Joy Pauschke.

12:00-1:00pm	Networking Lunch/ NHERI NCO, TTC, & User Forum Q&A Tables	Riverwalk
1:00-3:00pm	Diversity, Equity, and Inclusion Workshop— <i>Moderated by: Karina Vielma</i> <i>Assistant Professor of Engineering Education, University of Texas at San Antonio</i>	La Villita
3:00-3:15pm	Networking Break	La Villita/Riverwalk
3:15-5:30pm	Broader Impacts Workshop w/group collaboration <i>Presenter: Robin Nelson</i> <i>Assistant Professor of Engineering Education, University of Texas at San Antonio</i> <i>Presenter: Robin Nelson, PhD</i> <i>Education Specialist, NHERI ECO</i>	La Villita
6:00-8:00pm	UTSA College of Engineering & Integrated Design sponsored excursion	Riverwalk

NHERI Summer Institute Day 3
Wednesday, June 22, 2022

Time	Session	Location
8:00-8:30am	Registration and breakfast	Riverwalk
8:30-9:00am	NHERI Technology Transfer Committee <i>Presenter: Kelly Cobeen, SE</i> <i>Principal at Wiss, Janney, Elstner, Associates, Inc.</i> <i>Presenter: Graham Brasic, PE, SE</i> <i>Associate at Jezerinac Group</i> <i>Presenter: Joseph Cibor, PE, DGE</i> <i>President, Cibor, Inc.</i> <i>Presenter: Michael Valley, PE, SE</i> <i>Principal with Magnusson Lemencic Associates</i>	Riverwalk
9:00am-12:00pm	Group Collaboration with visit from TTC	La Villita
12:00-1:00pm	Networking Lunch	La Villita/ Riverwalk
1:00-2:00pm	NHERI Site Networking & User Forum Meeting	Riverwalk/ Alamo Board Room
2:00-4:00pm	Group Presentations	La Villita
4:00-4:30pm	Awards Presentation & Concluding Remarks (Julio or JoAnn)	La Villita