

AGENDA
FORTY-FOURTH MEETING
JOINT PANEL ON WIND AND SEISMIC EFFECTS (UJNR)
20-21 FEBRUARY 2013
PORTRAIT ROOM, ADMINISTRATION BUILDING
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY
100 BUREAU DRIVE
GAITHERSBURG, MD 20899

Note: All times listed are Eastern Standard Time.

<u>Tuesday, 19 February</u>	
Time	Day of Arrival Schedule
9:40 am	Arrival of all Japan-side delegation members, Dulles International Airport (Transportation to National Mall, Washington, DC, via NIST Bus, with later transportation from Shady Grove Metro Station to Gaithersburg Hilton, Gaithersburg, MD - TBD)
~ 6:00 pm	Light Dinner for Visitors, <i>Rooks Corner Restaurant</i> , Gaithersburg Hilton, Gaithersburg, MD

<u>Wednesday, 20 February</u>		
Time	Topic	Discussion Leader <small>(* Denotes speaker when multiple individuals are listed.)</small>
<i>Opening Ceremony</i> [Portrait Room]		
8:30 – 8:35 am	Call to Order	Marc Levitan <i>Secretary-General</i> U.S.-Side, Panel on Wind and Seismic Effects; <i>Leader</i> National Windstorm Impact Reduction Program R&D, Engineering Laboratory, NIST

<u>Wednesday, 20 February</u>		
Time	Topic	Discussion Leader <small>(* Denotes speaker when multiple individuals are listed.)</small>
8:35 – 8:45 am	Welcoming Remarks	<p>Shyam Sunder* <i>Director</i> Engineering Laboratory, NIST</p> <p>Jack Hayes <i>Chairman</i> U.S.-Side, Panel on Wind and Seismic Effects; <i>Director</i> National Earthquake Hazards Reduction Program, Engineering Laboratory, NIST</p>
8:45 – 8:50 am	Opening Remarks	<p>Taketo Uomoto <i>Chairman</i> Japan-Side, Panel on Wind and Seismic Effects; <i>Chief Executive</i> Public Works Research Institute, Japan</p>
8:50 – 9:00 am	<p>Introductions – U.S. Participants</p> <p>Introductions – Japan Participants</p>	<p>Jack Hayes</p> <p>Taketo Uomoto</p>
9:00 – 9:05 am	Review/Adopt Agenda	Marc Levitan
9:05 – 9:15 am	Group Photograph (Outside Steps)	Marc Levitan
9:15 – 9:30 am	Break	



<u>Wednesday, 20 February</u>		
Time	Topic	Discussion Leader (* Denotes speaker when multiple individuals are listed.)
Technical Session 1		
<u>Lessons Learned from Recent Disasters: Design Codes and Standards Development</u>		
Chair: Taketo Uomoto [Portrait Room]		
9:30 – 9:50 am	Structural Design Requirements on the Tsunami Evacuation Buildings <ul style="list-style-type: none"> • Manuscript 	Hiroshi Fukuyama, Hiroto Kato, Tadashi Ishihara, Seitaro Tajiri, Masanori Tani, BRI; Yasuo Okuda*, Toshikazu Kabeyasawa, NILIM; and Yoshiaki Nakano, University of Tokyo
9:50 – 10:10 am	Development of U.S. Structural Design Standards to Accommodate Natural Hazards <ul style="list-style-type: none"> • Manuscript 	Jim Rossberg*, ASCE; Jim Harris, J. R. Harris and Associates & ASCE
10:10 – 10:30 am	Outline of Japanese Design Specifications for Highway Bridges in 2012 <ul style="list-style-type: none"> • Manuscript 	Tetsuro Kuwabara*, PWRI; Takashi Tamakoshi, NILIM; Jun Murakoshi, Yoshitomi Kimura, Toshiaki Nanazawa and Jun-ichi Hoshikuma, PWRI
10:30 – 10:50 am	Establishing Reliability-Based Demand for Bridge Design under Multi-Hazard Loads <ul style="list-style-type: none"> • Manuscript 	Phil Yen, FHWA, and George Lee
10:50 – 11:10 am	Brief Review of Building Damage by the 2011 Tohoku Japan Earthquake and Following Activities for Disaster Mitigation <ul style="list-style-type: none"> • Manuscript 	Masanori Iiba*, Isao Nishiyama, Hiroshi Fukuyama, Izuru Okawa, BRI; and Yasuo Okuda, NILIM
11:10 – 11:30 am	Assessment of Design Long-period Earthquake Motions for High-Rise and Base-Isolated Buildings <ul style="list-style-type: none"> • Manuscript 	Izuru Okawa, BRI
11:30 – 11:50 am	Discussion <ul style="list-style-type: none"> • ASCE 7 and the Development of a Tsunami Building Code for the U.S. 	Jim Rossberg, ASCE, and Masanori Iiba, BRI
11:50 am – 12:40 pm	Lunch (NIST Cafeteria - seating in the Heritage Room)	

Wednesday, 20 February		
Time	Topic	Discussion Leader <small>(* Denotes speaker when multiple individuals are listed.)</small>
Technical Session 2 <u>Lessons Learned from Recent Disasters: Resilience Programs and Research</u> Chair: Taketo Uomoto [Portrait Room]		
12:40 – 1:00 pm	Disaster Resilience of Buildings, Infrastructure, and Communities	Steve Cauffman, NIST
1:00 – 1:20 pm	3-Year Research Program on Risk and Crisis Management Strategy for Excessive and Multiple Actions of Natural Disasters <ul style="list-style-type: none"> • Manuscript 	Shigeki Unjoh* and Atsushi Hattori, NILIM
1:20 -1:40 pm	Tsunami Resilient Ports on the Basis of Lessons from the 2011 Great East Japan Earthquake and Tsunami	Takashi Tomita, PARI
1:40 – 2:00 pm	Reinforced Concrete Wall Research Based on the Experiences of February 2010 Maule, Chile, Earthquake	Steve McCabe, NIST
2:00 – 2:20 pm	Drift Issues of Tall Buildings During the March 11, 2011, M9.0 Tohoku Earthquake, Japan - Implications	Mehmet Celebi*, USGS, and Izuru Okawa, BRI
2:20 – 2:40 pm	Discussion	Steve Cauffman, NIST, and Shigeki Unjoh, NILIM
	Additional Manuscripts (not presented) <ul style="list-style-type: none"> • Study of Seismic Force Coefficient for Rockfill Dams Based on Recent Seismic Motion Records • Lifetime Cost Analysis of Slender Bridges due to Flutter Occurrence Using the Data of the “United States - Japan Benchmark Study on Flutter Derivatives” 	Takashi Sasaki, Hiroyuki Satoh, and Katsushi Aoi Dong-Woo Seo and Luca Caracoglia
2:40 – 3:00 pm	Break	

<u>Wednesday, 20 February</u>		
Time	Topic	Discussion Leader <small>(* Denotes speaker when multiple individuals are listed.)</small>
<u>Task Committee Meetings</u> [Room Locations Noted Below]		
3:00 - 4:00 pm	Task Committee A: <i>Strong Motions and Effects</i> [Lecture Room B]	Host: Mehmet Celebi, USGS
	Task Committee C: <i>Dams</i> [Lecture Room C]	Host: Enrique Matheu, US DHS
	Task Committee D: <i>Wind Engineering</i> [Portrait Room]	Host: Marc Levitan, NIST
	Task Committee G: <i>Transportation Systems</i> [Lecture Room D]	Host: Phil Yen, FHWA, US DoT
4:00 - 5:00 pm	Task Committee B: <i>Buildings</i> [Lecture Room B]	Host: Steve McCabe, NIST
	Task Committee C: <i>Dams (Continued)</i> [Lecture Room C]	Host: Enrique Matheu, US DHS
	Task Committee G: <i>Transportation Systems (Continued)</i> [Lecture Room D]	Host: Phil Yen, FHWA, US DoT
	Task Committee H: <i>Storm Surge and Tsunami</i> [Portrait Room]	Host: Marc Levitan, NIST
5:00 pm	Adjourn for Day 1	
6:00 – 8:30 pm	Dinner (<i>Bonefish Grill Restaurant, Gaithersburg, MD; Transportation via Hilton Hotel Shuttle Bus</i>)	

Thursday, 21 February		
Time	Topic	Discussion Leader (* Denotes speaker when multiple individuals are listed.)
Administrative Session 1 [Portrait Room]		
8:30 – 9:30 am	Task Committee Reports	Jack Hayes, NIST
9:30 – 10:15 am	Strategic Planning Session	Jack Hayes, NIST Taketo Uomoto, PWRI
10:15 – 10:30 am	Break	
Technical Session 3 <u>Lessons Learned from Recent Disasters: Recent U.S. and Japan Field Activities</u> Chair: Jack Hayes [Portrait Room]		
10:30 – 11:00 am	<p><u>Recent U.S. Tornadoes</u></p> <ul style="list-style-type: none"> • Technical Investigation of the May 22, 2011 Tornado in Joplin, MO <ul style="list-style-type: none"> ◦ Abstract • Mitigation Assessment Team Report Spring 2011 Tornadoes 	<p>Marc Levitan*, Erica Kuligowski, Long Phan, and Frank Lombardo, NIST; and David Jorgensen, NOAA</p> <p>John Ingargiola, FEMA</p>
11:00 – 11:20 am	<p>Report on Field Surveys and Subsequent Investigations of Building Damage Following the May 6, 2012 Tornado in Tsukuba City, Ibaraki Prefecture, Japan</p> <ul style="list-style-type: none"> • Manuscript 	Yasuo Okuda*, Atsuo Fukai, Takahiro Tsuchimoto, and Toshikazu Kabeyasawa, NILIM; Hitomitsu Kikitsu, Takafumi Nakagawa, Norimitsu Ishii and Yasuhiro Araki, BRI
11:20 – 11:40 am	FIMA Briefing of the MAT Investigation of Hurricane Sandy—An Overview and Next Steps in NY and NJ	John Ingargiola, FEMA
11:40 am – 12:10 pm	<p><u>New Tools for Field Research</u></p> <ul style="list-style-type: none"> • High Resolution Imagery Collection Utilizing Unmanned Aerial Vehicles (UAVs) for Post-Disaster Studies <ul style="list-style-type: none"> ◦ Abstract • Disaster and Failure Studies Program and Data Repository <ul style="list-style-type: none"> ◦ Abstract 	<p>Stuart Adams, NIST/Louisiana State University (LSU); Marc Levitan, NIST; and Carol Friedland, LSU.</p> <p>Eric Letvin, NIST</p>
12:10 – 12:25 pm	Discussion	Marc Levitan, NIST, and Yasuo Okuda, NILIM

<u>Thursday, 21 February</u>		
Time	Topic	Discussion Leader <small>(* Denotes speaker when multiple individuals are listed.)</small>
12:25 – 1:15 pm	Lunch (NIST Cafeteria - seating in the Heritage Room)	
Administrative Session 2 [Portrait Room]		
1:15 – 2:10 pm	<u>Adoption of Final Resolutions</u>	Jack Hayes, NIST (Assisted by Marc Levitan, NIST, and Keiichi Tamura, PWRI)
2:10 – 2:30 pm	<u>Closing Remarks</u> <ul style="list-style-type: none"> • Call to Order • Closing Remarks, Japan • Closing Remarks, U.S. 	Marc Levitan, NIST Taketo Uomoto, PWRI Jack Hayes, NIST
2:30 pm	Conclusion of Forty-Fourth UJNR Meeting	
2:40 pm	Departure of eight (8) Japan-side Delegation members, Dulles International Airport (Transportation via NIST Contractor Bus from front of Administration Building)	