2018 NIST Disaster Resilience Symposium

Final Agenda Dates: August 14th-15th, 2018

Day 1	Item	Speaker		
8:30 AM	Registration / Sign-in			
8:30	"Meet and Greet" (Portrait Room*)			
9:30	Welcome and Overview	Symposium Chair	(Green Auditorium)	
9:35	Opening Remarks	Howard Harary	Director, Engineering Laboratory, NIST	
9:45	NIST and Disaster Resilience	Jason Averill	Chief, Materials and Structural Systems Division, NIST	
10:00	Keynote - *Lessons Learned from Extreme Events for Infrastructure Resilience*	Tom O'Rourke	Thomas R. Briggs Professor of Engineering, Cornell University	
11:00	*Break**			
11:15	Disaster and Failure Studies	Judith Mitrani-Reiser	Director, Disaster and Failure Studies Program, NIST	
11:30	Earthquakes	Steven McCabe	Director, NEHRP, Leader, Earthquake Engineering Group, NIST	
11:45	Structures / Wind	Long Phan	Leader, Structures Group, NIST	
12:00	Wildland-Urban Interface Fires	Nelson Bryner	Chief, Fire Research Division, NIST	
12:15	*Lunch*			
	Concurrent Sessions			
	Track 1 = Earthquake (Green Auditorium) Moderator: Steven McCabe		**Track 2 = Fire** (Portrait Room) Moderator: Erica Kuligowski	
1:15 - 2:45	*Integrating Aging Effects in Performance-Based Seismic Design and Assessment of Reinforced Concrete Structures*	Petros Sideris (Texas A&M)	*Biomacromolecules as Flame Retardants for Wood-Based Construction*	Douglas Fox (American University)
	Seismic Assessment, Retrofit Strategies and Policy Implications for Vulnerable Existing Steel Buildings	Gregory Deierlein & Anne Hulsey (Stanford University)	*Improving Disaster Resilience by Quantifying WUI Community Ember Exposure*	Nigel Kaye (Clemson University)
2:45	*Break**			
3:00 - 5:15	*Resilience of Steel Moment Frame Systems with Deep Slender Column Sections*	Jason McCormick (University of Michigan)	*Development of Methodology for Determination of Ignition Propensity by Firebrands in Wildland-Urban Interface*	Babak Shortban (University of Alabama, Huntsville)
	Decision-Oriented Column Simulation Capabilities for Enhancing Disaster Resilience of Reinforced Concrete Buildings	Wassim Ghannoum (University of Texas, San Antonio)	*Temperature Measurements of Airborne Firebrands*	Dennis Kim (University of Maryland)
	Liquefaction-Targeted Ground Motion Parameters	Steven Kramer (University of Washington)		
5:30-7:00	Networking Event	Courtyard Gaithersburg Washingtonian Center, The Bistro (2nd floor)**		

Day 2	Item	Speaker	
9:30 AM	NIST Research - Community Resilience	Therese McAllister	Leader, Community Resilience Group, NIST
10:00	NIST Research - Earthquake Engineering	Steven McCabe	Director, NEHRP, Leader, Earthquake Engineering Group, NIST
10:30	NIST Research - Alkali-Silica Reaction Project	Long Phan	Leader, Structures Group, NIST
11:00	*Break**		
11:15	NIST Research - Disaster and Failure Studies (DFS) / Resilience	Erica Kuligowski	Research Social Scientist, WUI Fire Group, NIST
11:30		Maria Dillard	Research Social Scientist, Community Resilience Group, NIST
11:45	NIST Research - Wildland-Urban Interface (WUI) Fires	Nelson Bryner	Chief, Fire Research Division, NIST
12:15	*Lunch*		
	Track 3 = Wind / DFS (Green Auditorium) Moderator: Long Phan		
1:15 - 3:30	*Development of Tornado Design Criteria for Buildings and Shelters Subject to Tornado Induced Loads*	Peter Vickery (Applied Research Associates Inc.)	
	Improving Disaster Resilience Through Scientific Data Collection with UAV Swarms	Falko Kuester (University of California, San Diego)	
	Coastal Inundation Events in Developed Regions	Andrew Kennedy (University of Notre Dame)	
3:30	Closing Remarks	Symposium Chair	
3:45-5:00	NIST Lab Tour - NFRL - sign up at the registration desk		

*coffee and refreshments for purchase in the cafeteria

**transportation to hotel is on your own unless you booked under the block rate