Disaster Resilience Symposium

August 7 - 8, 2019

Building 101, NIST Campus,
Gaithersburg, MD

The National Institute of Standards and Technology is pleased to announce the 2019 NIST Disaster Resilience Symposium.

The symposium will feature presentations from over a dozen grant awardees funded by NIST and the latest research from related internal NIST projects. Topics will include disaster and failure studies, earthquake engineering, wind engineering, community resilience, and wildland-urban interface fires.

- Development of Tornado Design Criteria for Buildings and Shelters Subject to Tornado Induced Loads
- Improving Disaster Resilience Through Scientific Data Collection with UAV Swarms
- Seismic Assessment, Retrofit Strategies and Policy Implications for Vulnerable Existing Steel Buildings
- Integrating Aging Effects in Performance-Based Seismic Design and Assessment of Reinforced Concrete Structures
- Resilience of Steel Moment Frame Systems with Deep Slender Column Sections
- Coastal Inundation Events in Developed Regions
- Decision-Oriented Column Simulation Capabilities for Enhancing Disaster Resilience of Reinforced Concrete Buildings
- Liquefaction-Targeted Ground Motion Parameters
- Improving Disaster Resilience by Quantifying WUI Community Ember Exposure
- Biomacromolecules as Flame Retardants for Wood-Based Construction
- Temperature Measurements of Airborne Firebrands
- Development of Methodology for Determination of Ignition Propensity by Firebrands in Wildland-Urban Interface

The symposium keynote speakers will be Prof. Albert Simeoni of Worcester Polytechnic Institute and Dr. James Harris of J.R. Harris & Company. Both internationally recognized keynote speakers will share their perspectives on how we can enhance the resilience of US communities.

For full details and to register, please visit the symposium website.

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