

Disaster Resilience Symposium

August 7 - 8, 2019

Building 101, NIST Campus,
Gaithersburg, MD



Credit: Matthew Speicher/NIST

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.

<https://www.nist.gov/news-events/events/2019/08/2019-disaster-resilience-symposium>

Technical Contacts:

Matthew Speicher
matthew.speicher@nist.gov
(301) 975-5352

Amy Mensch
amy.mensch@nist.gov
(301) 975-6714

Registration Contact:

Pauline Truong
Pauline.truong@nist.gov
(301) 975-3258

