

# WEBINAR



The Center for Risk-Based Community  
Resilience Planning  
*A NIST-funded Center of Excellence*



## Community Resilience: Modeling, Field Studies and Implementation

Learn more about the NIST-funded Center for Risk-Based Community Resilience Planning and how the Center is developing a computational environment to help define the attributes that make communities resilient.

*Webinar: Thursday, April 27, 9:00 AM – 11:00 AM (MDT)*

- 9:00 - 11:00 AM Presentations from the Center of Excellence Team followed by on-line chat Q & A

*Webinar:* <https://youtu.be/eyjzCDxcdSA>.

A resilient community is one that is prepared for and can adapt to changing conditions and can withstand and recover rapidly from disruptions to its physical and social infrastructure. Modeling community resilience comprehensively requires a concerted effort by experts in engineering, social sciences and information sciences to explain how physical, economic and social infrastructure systems within a real community interact and affect recovery efforts. Over the last two years, NIST Center of Excellence researchers have been working on fundamental resilience-related research as it related to earthquakes, tornadoes, floods, tsunamis, and hurricanes.

Join this informational **Webinar** to learn more about the Center's recent activities. A Center overview will be followed by a session on the Center's recent Special Issue of Resilient and Sustainable Infrastructure, which features six papers on the virtual community Centerville. The modeling and analysis theory behind each paper will be explained followed by a demonstration of IN-CORE, the Interdependent Connected Modeling Environment for Community Resilience. Presentations on the first validation study, The Joplin Hindcast, and the Center's first Field Study, The Lumberton, NC Floods of 2016, will also be a highlight of the Webinar.

The webinar is open to anyone immediately followed by a Q&A "chat" period.

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