

# The World is on Fire! Climate Change through a Resilience Lens with Connections to Public Health

PRESENTED BY

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**COLLEGE OF PUBLIC HEALTH CENTRAL STATES CENTER FOR  
AGRICULTURAL SAFETY AND HEALTH**



## **Mark Stone, PhD, PE, D.WRE**

Department Head and Professor  
Department of Biological Systems Engineering  
University of Nebraska - Lincoln

### WHEN & WHERE

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**DATE & TIME**  
**WEDNESDAY, SEPTEMBER 27, 2023**  
**12 PM CST**

**PRESENTATION ZOOM INFORMATION:**

In person at UNMC Maurer Center for Public Health room 3013

Zoom: <https://unmc.zoom.us/j/94861640798?pwd=dlowOXJ5bnZ1bDR5N1R4Q21PTGg4Zz09>

Dr. Mark Stone serves as the Department Head of Biological Systems Engineering at the University of Nebraska - Lincoln. He recently joined UNL after spending 14 years at the University of New Mexico in the roles of professor, associate dean, and director of the UNM Resilience Institute. Dr. Stone holds PhD and MS degrees in Civil and Environmental Engineering from Washington State University and a BS degree in Biological Systems Engineering from UNL.

Dr. Stone's research program is focused on the interplay of climate change and socio-ecological systems. Over the past 25 years, he has worked globally on climate change impacts and adaptation studies with a focus on mountain systems in Asia, South America, and the American West. He recently concluded a Fulbright Fellowship in Chile, investigating climate change adaptation for farmers and small communities in the Los Lagos Region of Chilean Patagonia. Dr. Stone's approach is grounded in the principles of convergence and co-design with an emphasis on empowering communities to develop solutions to emerging challenges. Stone was the recipient of a National Science Foundation (NSF) Early Career Award and he was the lead investigator and director for the Intermountain West Transformation Network (TN). The TN was supported by a \$15 million NSF grant with a focus on transformational change in the American West with an emphasis of climate change and wildfire impacts on food-energy-water systems.

**Objectives:**

1. Provide an overview of connections between climate change and public health.
2. Introduce systems resilience principles through the example of forest wildfires in the American West.
3. Explore the concepts of mitigation, adaption, and transformation in the face of changing climate.