



## ***Transforming the Resilience of Critical Infrastructure Systems and Communities***

**Resilience Week Objective:** A Symposium dedicated to advancing the interdisciplinary dialog on policy and technologies that accelerate critical infrastructure and community resilience to unexpected and malicious threats.

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### **SESSION 06: NOT GETTING LOST IN TRANSLATION: RESILIENCE ACROSS DISCIPLINES**

#### **Session Chairs**

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#### **Session Abstract**

Resilience has been studied in many research communities including geography, critical infrastructure security, ecology, community development, psychology, and many others. Each of these disciplines has established its own definition of resilience including how to measure and monitor that resilience. Communicating across disciplines may provide insights to develop better definitions and metrics for resilience. The proposed session will bring representatives from several scientific domains to discuss the key questions:

- How is resiliency defined in each domain?
- When evaluating resiliency, what system boundaries are considered in each domain? What temporal boundaries?
- How is resiliency measured?

We will invite experts in psychology, ecology, operations research, sociology, critical infrastructure, and control systems. The format of the session will be a structured panel discussion with speakers from each domain followed by a conversation with an active participation of the audience to identify opportunities to draw from the unique perspectives across domains and to develop a broad definition of resilience.

#### **Topics**

Resilience metrics in psychology, ecology, operations research, sociology, critical infrastructure, and control systems.

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