

NOT GETTING LOST IN TRANSLATION: RESILIENCE ACROSS DISCIPLINES

FRIDAY: SESSION 4, TRACK 2

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.