

Session Title: New Perspectives on Resilience
4:30pm-6:30pm, Sunday, Oct. 12
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Brief Summary

This session discusses new ways of thinking about resilience and its application to ecosystems, climate change, societal security and critical infrastructure. Various innovative methodologies and approaches have been introduced to assist in understanding and achieving resilience in a more holistic way. Vulnerability Identification Tools for Resilience Enhancement of Urban Environments (VITRUV) is introduced to integrate culture, ethical and citizen acceptance into resilience-enhancing infrastructure planning and increase societal security. The introduction of Haddon's Strategies provide a "systematic analysis options" to explain anthropogenic climate change. Department of Homeland Security Extreme Weather Event Anticipation Tool (HEAT) is introduced as a framework for studying critical infrastructure security, and developing scalable resilience solutions for critical infrastructure resilience. Major emphasis is on modeling and simulating critical infrastructure security and resilience for extreme weather events.