

# **Sustained Resilience as A Unifying Property of The Built Environment**

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## **Abstract**

The built environment can be understood as a living system that evolves, deteriorates, and regenerates over time, interacting continuously with society and nature. Yet, resilience is often framed as short-term recovery, while long-term performance is treated separately under sustainability, creating a fragmented understanding across timescales. This talk addresses this gap by introducing sustained resilience—a unified concept capturing the cumulative, adaptive capacity of assets, infrastructure, and cities to maintain function, learn from disruption, and evolve over successive cycles. We propose a tiered lifecycle framework and eight archetypal pathways, establishing a common language to integrate resilience and sustainability for more adaptive and enduring built environments.