UTAH SMART ENERGY LAB

Department of City and Metropolitan Planning
COLLEGE OF ARCHITECTURE + PLANNING | THE UNIVERSITY OF UTAH

Utah Resilience Webinar Series

Infrastructure

David Bonowitz
Structural Engineer
EERI, Distinguished Lecturer, 2020

Functional Recovery: What it Means to Design for Community Resilience

Thursday, November 12, 2020 - 4:00 to 5:00 pm MST

Connect via Zoom: https://utah.zoom.us/j/99991564928

Abstract

This lecture will focus on the emerging concept of functional recovery as a basis for earthquake-resistant design. Designing buildings and infrastructure for limited downtime - or an acceptably functional recovery - is not new, but is receiving new attention through state and federal legislation, and showing new feasibility through research and technology. Most intriguing is the recognition that designing for functional recovery is a necessary tool for achieving community-wide earthquake resilience. And if progress is to be measured at the community level, functional recovery will also be a matter of public policy. The lecture will look at the roles EERI members can play in shaping this thinking into design practice with four sets of questions: definitional, technical, policy, and implementation.

Bio

David Bonowitz (M. EERI, 1994) is a leading structural engineer in San Francisco and is a member of the new working group of the Federal Emergency Management Agency - National Institute of Standards and Technology on Functional Recovery of the Built Environment and Critical Infrastructure. He is co-author of Functional Recovery: A Conceptual Framework, an EERI white paper and lead author of "Resilience-based Design and the NEHRP Provisions", now under review by the Provisions Update Committee of the National Earthquare Risk Reduction Program. Among other awards, he received the Distinguished Lecture Award 2020 from the EERI of the United States; award given to EERI members who have made outstanding contributions to reducing the risk of earthquakes.

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