

UME Doctoral Programme
Short seminars

Prof. Abbie Liel
(University of Colorado, Boulder, US)

Date: TBD (week of November 28 to December 2, 2022)

1. Operationalizing concepts of functional recovery to support design for community resilience. Describes a method being developed for assessing functional recovery of buildings after earthquakes, provides/illustrate results and discusses efforts to standardize this in the US. (1 hour)
2. The case for disaster resilient housing: why and how. Describes work done to understand earthquake (and hurricane) performance of housing and identify opportunities for improving this performance. (1 hour)



ABBIE LIEL

Abbie (she/her) is a Professor of Civil, Environmental and Architectural Engineering at the University of Colorado, Boulder. She earned undergraduate degrees in Civil Engineering, and the Woodrow Wilson School of Public Policy, at Princeton University. Abbie did her Ph.D. at Stanford University, focusing on collapse risk of older non-ductile concrete frame structures. At CU, Abbie has worked on problems related to seismic safety of concrete buildings, snow loads on structures, earthquake-induced liquefaction and mitigation strategies, induced seismicity, and diversity and inclusion in the structural engineering profession. She has been

the recipient of the Shah Family Innovation Prize from the Earthquake Engineering Research Institute, and recently received the College of Engineering's Charles A. Hutchinson Memorial Teaching Award. Abbie is also Associate Chair for Administration in the Civil, Environmental, and Architectural Engineering department.