Keri Ryan is the E.W. Mackenzie Foundation Endowed Professor of Civil Engineering at the University of Nevada, Reno. She received her B.S. at California Institute of Technology and her M.S. and Ph.D. at University of California, Berkeley. She specializes in earthquake engineering and protective systems for high seismic performance, with application to buildings and bridges, and she has authored or co-authored ~150 publications on these topics. She was the PI of the U.S. National Science Foundation funded "Tools for Isolation and Protective Systems" (or TIPS) project to address impediments to the wider application of seismic isolation systems, during which she and her team observed and analyzed the performance issues related to non-structural elements. She has been collaborating with the NHERI TallWood team since 2016 to develop new mass timber lateral systems, and she is leading the investigation on non-structural elements. The upcoming shake table test of a 10-story mass timber building will include façade assemblies, interior non-structural walls and stairs detailed for deformation compatibility.