

Přednáška k navrhování na zemětřesení

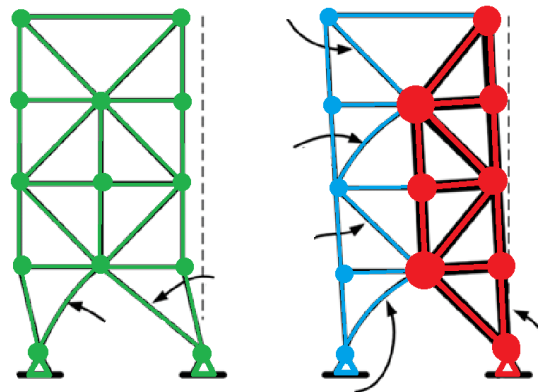
Zvu vás na přednášku

Prof. Mark Denavit, University of Tennessee

středa 27.5. 2025 v 11:30-12:30, místnost B578

S pozdravem

Prof. Pavel Ryjáček



Strongback Braced Frames:

A Spine-Based Strategy for Controlling Seismic Damage and Improving Resilience

Strongback braced frames are an emerging seismic system that uses a stiff vertical strongback truss to distribute earthquake demands and prevent soft-story mechanisms in steel braced frames. This seminar will introduce the concept and mechanics of strongback braced frames, discuss key findings from recent research on their seismic behavior, and highlight practical design challenges such as higher-mode effects and strongback sizing. Emphasis will be placed on how these systems can improve resilience, reduce damage concentration, and inform future seismic design practice.

