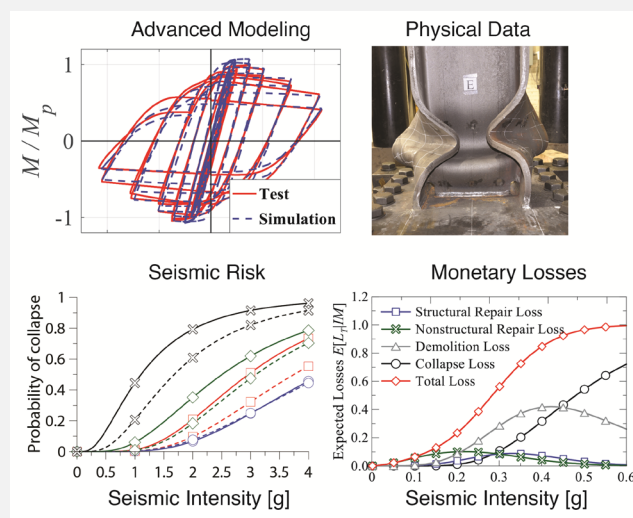


Framework for Seismic Risk and Loss Assessment of Steel Structures

Dienstag, 4. Dezember 2018
17:00 Uhr
Auditorium HIL E 1 (Lehrgebäude Bauwesen)
ETH Zürich, Hönggerberg, 8093 Zürich

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This talk presents a data-driven framework to quantify the earthquake-induced risk and losses of different structural steel typologies. The framework considers ground motion uncertainties, advanced modeling validated to physical test data assembled in structural performance databases, the assessment of building engineering demand parameters that influence the structural and non-structural damage control in the aftermath of earthquakes, and the utilization of risk-consistent metrics that quantify monetary losses over a steel building's life-cycle. Best practices are also presented to minimize life-cycle costs in steel frame buildings.

Anschliessend an den Vortrag ist ein gemeinsames Nachtessen mit dem Referenten im Restaurant Die Waid, Waidbadstrasse 45, 8037 Zürich vorgesehen.

Der nächste Vortrag findet im Frühlingssemester 2019 statt.