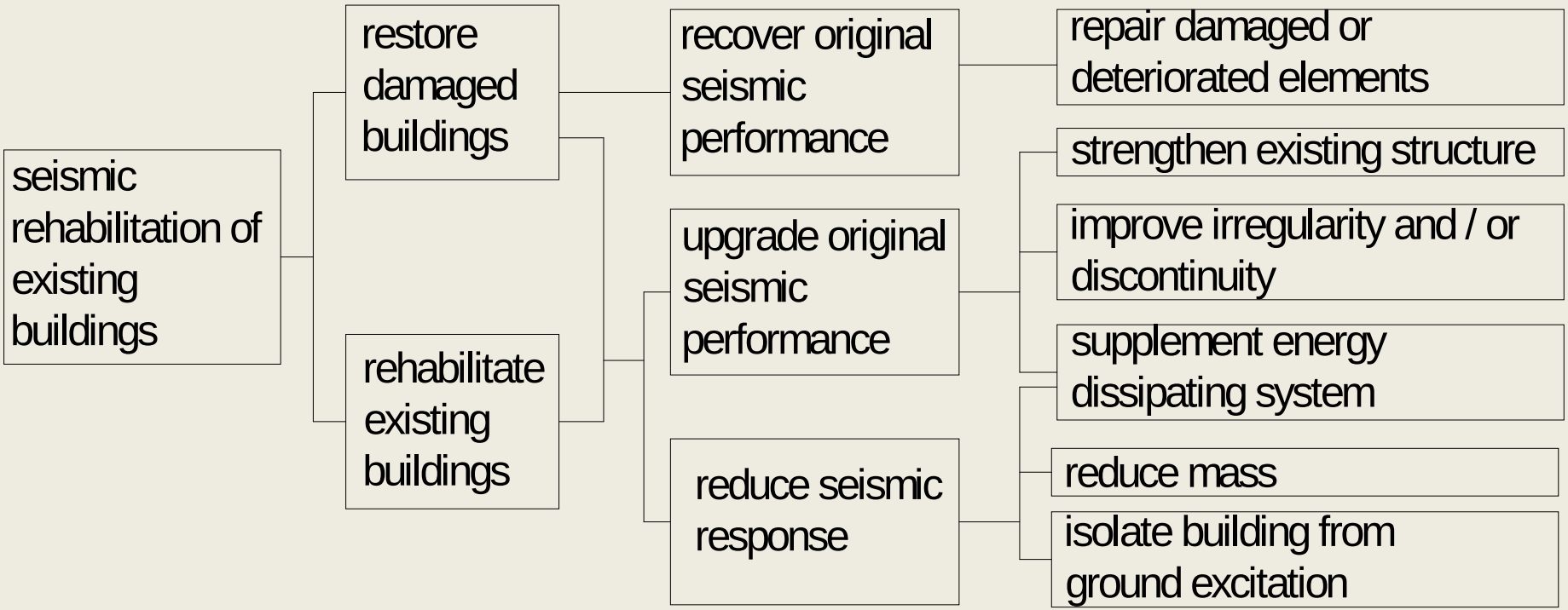
Seismic Rehabilitation Strategy

Adrian Dogariu

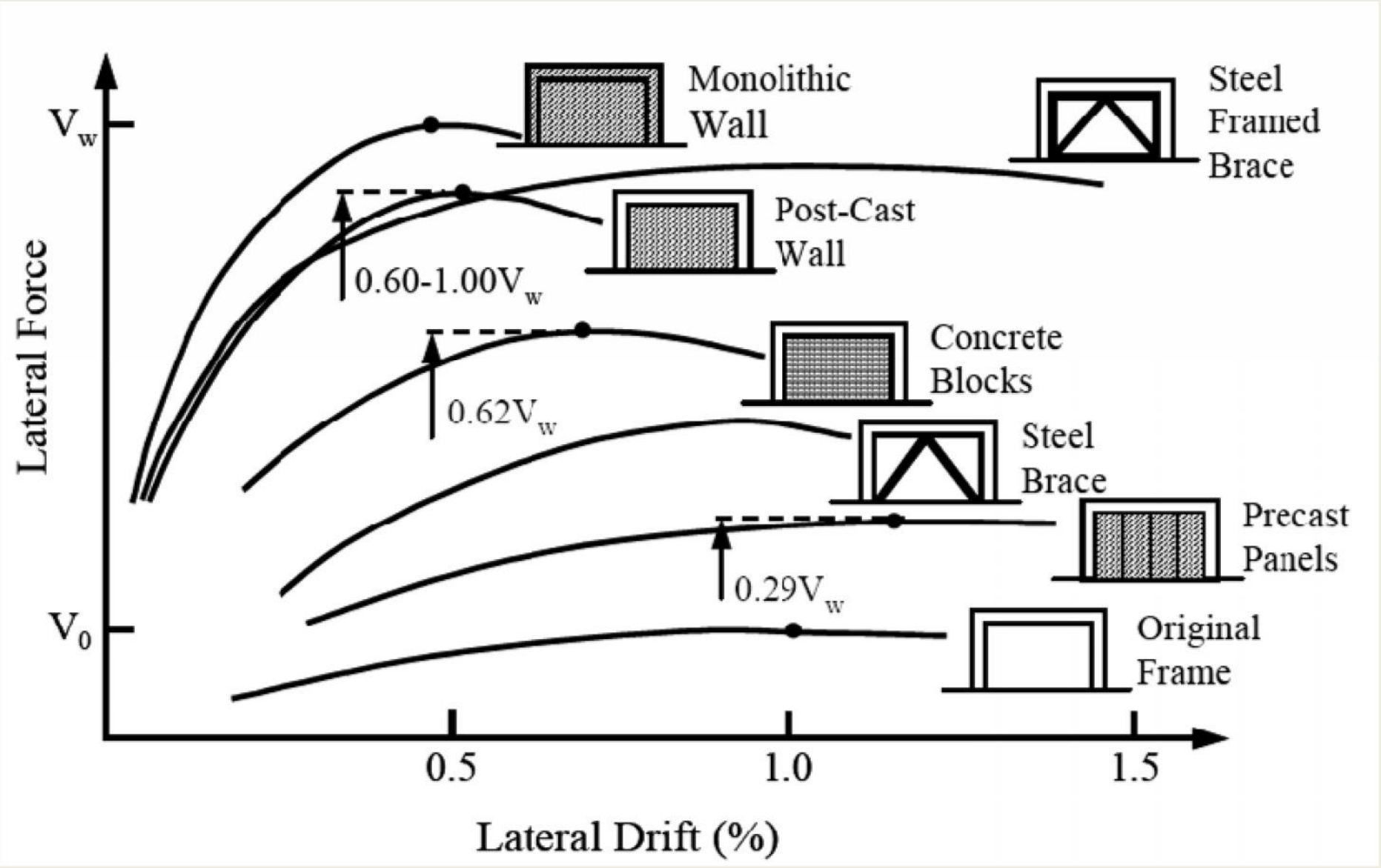
Universitatea Politehnica Timişoara

European Erasmus Mundus Master Course
Sustainable Constructions under Natural Hazards and Catastrophic Events
520121-1-2011-1-CZ-ERA MUNDUS-EMMC

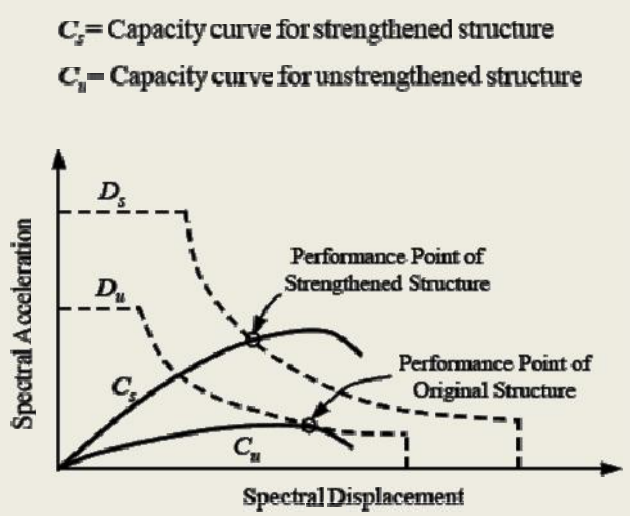
Seismic Rehabilitation Strategy



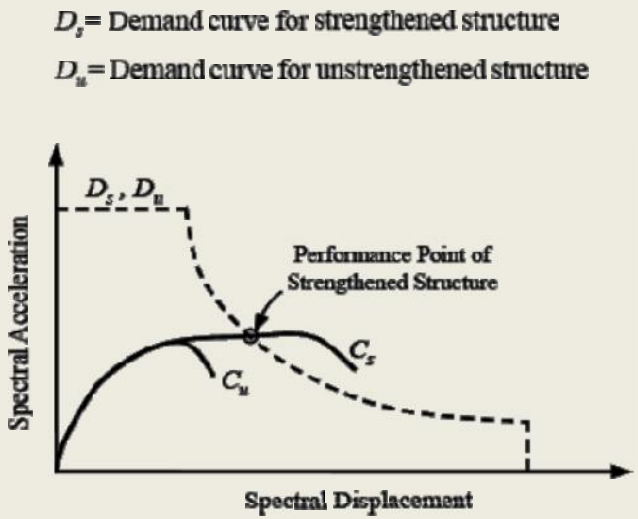
Strengthening solutions for a RC Frame



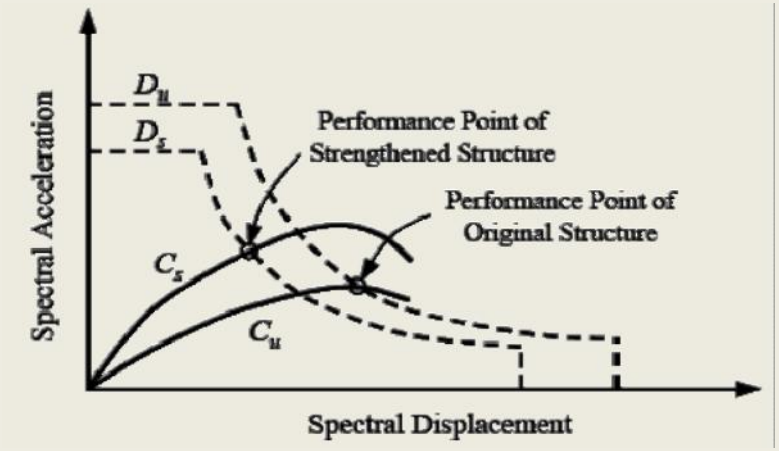
Concept of Seismic Rehabilitation of Buildings



Effect of structural strengthening

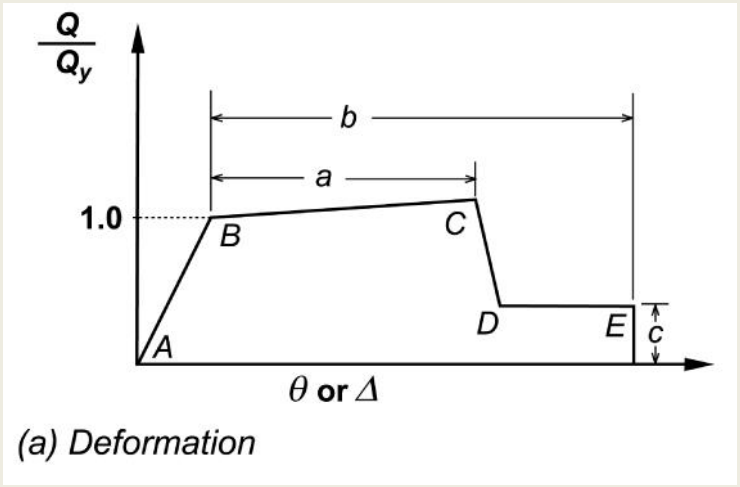


Effect of deformation enhancement

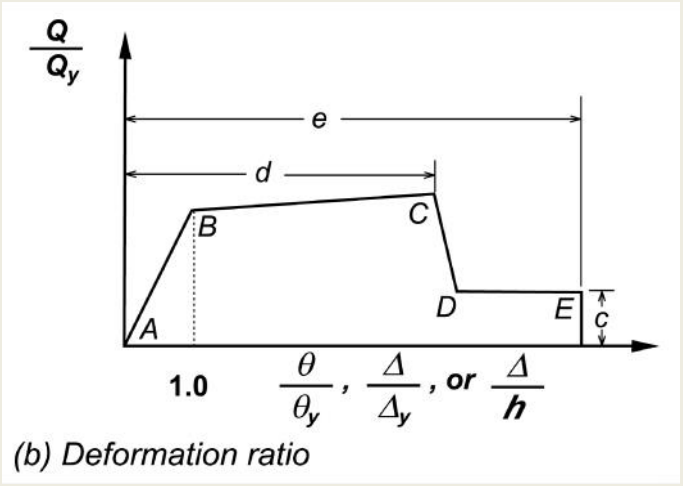


Effect of enhanced energy dissipation

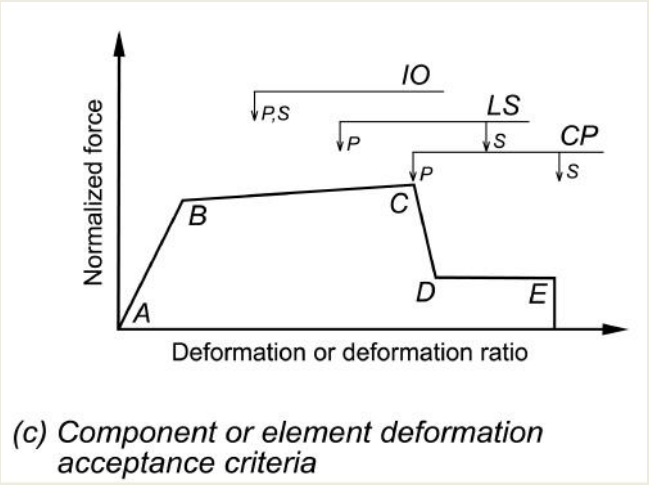
Modeling and acceptance criteria



(a) Deformation



(b) Deformation ratio



(c) Component or element deformation acceptance criteria

Generalized Component Force-Deformation Relations for Depicting Modeling and Acceptance Criteria presented in FEMA 356