



UNIVERSITÀ DEGLI STUDI
DI TRENTO



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Ordine degli Ingegneri

P.zza S. Maria Maggiore, 23, 38122 Trento

Seismic analysis of structures/infrastructures and assessment approaches based on performance

Part 1

Analisi sismica di strutture/infrastrutture e gli approcci di valutazione basati sulle prestazioni

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Outline

- Premises
- Risk in Seismic Engineering
- Some analysis methods
- PSRA for nuclear power plants
- PBEE approach
- PSHA and PSDA methods
- PSRA of process plants considering domino effects
- Loss evaluation in infrastructures
- A look at resilience
- Conclusions
- Outlooks