

SEMINAR

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Title: Recent Advances in Seismic Soil Liquefaction Engineering

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Over the past decade, major advances have occurred in both understanding and practice with regard to assessment and mitigation of hazard associated with seismically induced soil liquefaction. Soil liquefaction engineering has evolved into a sub-field incorporating the assessment of :



- i) the likelihood of “triggering” or initiation of soil liquefaction,
 - ii) post-liquefaction strength and overall post-liquefaction stability,
 - iii) expected liquefaction-induced deformations and displacements,
 - iv) the consequences of these deformations and displacements,
- implementation (and evaluation) of engineered mitigation, if necessary.

This presentation will highlight a number of important recent and ongoing developments in soil liquefaction engineering, and will offer insights regarding research in progress, as well as suggestions regarding further advances needed.