

COMING SOON...

2015 Distinguished Instructor Short Course

Engineering Seismology with Applications to Geotechnical Engineering

By Öz Yilmaz

The narrow scope of engineering seismology includes its applications to geotechnical site investigations, and seismic microzonation to determine soil amplification and liquefaction susceptibility within a municipal area to estimate the earthquake risk. The broad scope of engineering seismology also includes its application to groundwater exploration, coal and mineral exploration, geothermal exploration, and investigations of historic buildings and archaeological sites. This course is devoted to application of the seismic method to delineate the near-surface geology primarily for geotechnical remediation of the soil column for civil engineering structures. Nevertheless, the course also includes case studies for the broader scope of engineering seismology.



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