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# Seismic Analysis And Design For Soil-Pile-Structure Interactions: Proceedings Of A Session Sponsored By The Committee On Geotechnical Earthquake ... Of Civil (Geotechnical Special Publication)



## Synopsis

Pile foundations are used extensively to support structures in seismic regions around the world. For years, geotechnical engineers have neglected to consider the interaction soil-pile systems have with superstructures; while civil engineers have ignored the interaction of the foundation with the structure. In order to understand a structure's response to dynamic loads, the complete soil-pile-structure interaction must be analyzed. Thus, centrifuge models, shake table models, and analytical methods are used to explore the interactions among soil, piles, and structures.

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