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## New Information on the Seismic Performance of Existing Concrete Buildings for Practicing Design Professionals, developed by PEER, funded by FEMA

These videos provide information on new procedures based on the latest research at PEER on performance-based earthquake engineering. All orders include a bonus historical overview by Professor Jack Moehle.



<b>Current Assessment Approaches</b>  Jack Moehle University of California, Berkeley	<b>Beam-Column Connections</b>  Jack Moehle University of California, Berkeley
<b>Performance Assessment Through Nonlinear Time History Analysis</b>  Greg Deierlein Stanford University	<b>Slab - Column Frames</b>  John Wallace University of California, Los Angeles
<b>Behavior and Modeling of Existing Reinforced Concrete Columns</b>  Kenneth J. Elwood University of British Columbia	<b>Slender Wall Behavior &amp; Modeling Lightly-Reinforced Wall Segments</b>  John Wallace University of California, Los Angeles
<b>System Performance Assessment Quantifying Building Code Advancements</b>  Greg Deierlein Stanford University	

<b>Overview of Soil-Structure Interaction Principles</b>  Jonathan P. Stewart University of California, Los Angeles	<b>Foundations and SSI aspects of FEMA 356 and 440</b>  Craig D. Comartin CDComartin, Inc.
<b>Issues Related to Mobilization of Foundation Capacity</b>  Geoffrey R. Martin University of Southern California	<b>Impact of Foundation Response on the Retrofit of an Existing Hospital</b>  Marshall Lee MACTEC Engineering & Consulting
<b>Field Testing to Determine Realistic Geotechnical Parameters</b>  J. Ryan Shaller Noback Consulting Engineers	<b>New Tools for Structural &amp; Geotechnical Practitioners on the Horizon</b>  Tara C. Hutchinson University of California, San Diego

## Practical Applications of Performance-Based Earthquake Engineering to Shallow Foundations for Structural and Geotechnical Engineers, funded by FEMA

Six presentations cover the basic principles of soil-structure interaction and current guidelines for practice, focusing on spread footings and case studies of project applications by practicing engineers.

## Practical Applications of Performance-Based Earthquake Engineering to Deep Foundations: Buildings, Bridges, and Ports

Six presentations cover the basic principles of soil-structure interaction for deep foundations. The focus is on guidelines for practitioners and case studies of project applications by practicing engineers.

<b>Overview of Soil-Structure Interaction for Deep Foundations</b>  Steven L. Kramer University of Washington	<b>Performance-Based Concepts, Methods and Tools for Practitioners</b>  Lee Marsh Bentley/S&B Engineers
<b>Design &amp; Assessment Approach for Pile &amp; Caisson Bridge Foundations</b>  I. Po Lam Earth Mechanics, Inc.	<b>The Role of Field Load Testing in Performance-Based Design</b>  Oymnah Kasali Rutherford and Chae
<b>Examples of a Building and a Concrete Reservoir</b>  Mike Mehrain URS Corporation	<b>Current Practice for Container Wharf Piles</b>  Arul Arulmoli Earth Mechanics, Inc.

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