

TSRP: Soils and Foundations



*2011 PEER Annual Meeting
Berkeley, California*

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Goals:

- Review selected research

- Discuss research needs, opportunities, priorities

Format:

- Five presentations – 15 min + 3-5 min Q/A

- Discussion – two short presentations



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|-------------------|---|
| Pedro Arduino | <i>Simplified Methodologies for Assessment and Design of Piles Affected by Lateral Spreading Ground</i> |
| Scott Ashford | <i>Geotechnical Challenges from the Cascadia Subduction Zone</i> |
| Scott Brandenberg | <i>Global dynamic simulations of bridges on liquefied and lateral spreading ground</i> |
| Bruce Kutter | <i>Comparison of displacement demands for rocking and hinging systems</i> |
| Kevin Mackie | <i>Translating simulated bridge-ground response into decision making</i> |



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Discussion

Tom Shantz – Caltrans

Ross Boulanger – UC Davis

Open discussion



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Classification of Needs/Opportunities

| Extent of Collaboration Needed | Short-Term (1-2 years) | Longer Term (3 years of more) |
|--|------------------------|-------------------------------|
| Domain Specific | | |
| TSRP/PEER Wide | | |
| PEER must partner with other organization(s) | | |

