RPI Centrifuge Facility
(Center for Earthquake Engineering Simulation)

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Centrifuge Modeling Research Projects

- NEESR and NEES Shared-Use Projects – Earthquake research projects
- Geotechnical Research Projects
- Non-geotechnical Research Projects
Current NEES Research Projects

1NEESR-SG: Experimental and Micromechanical Computational Study of Pile Foundations Subjected to Liquefaction-Induced Lateral Spreading (Dobry – RPI)
2NEESR07 - Soil Improvement Strategies to Mitigate Impact of Seismic Ground Failures via Novel Integration of Experiment and Simulation (Olson – University of Illinois Urbana-Champaign)
3NEESR08 - Advanced Site Monitoring and Effective Characterization of Site Nonlinear Dynamic Properties and Model Calibration
4NEES-CR : Evolutionary Intensity Measures for More Accurate and Informative Liquefaction Hazard Evaluation (Kramer – University of Washington)
5 NEES-CR : Seismically Induced Rock-Slope Failure: Mechanisms and Prediction (Wartman – University of Washington)
6NEES-CR : Capacity and performance of foundations for offshore wind towers (Biscontin – University of Texas A&M)