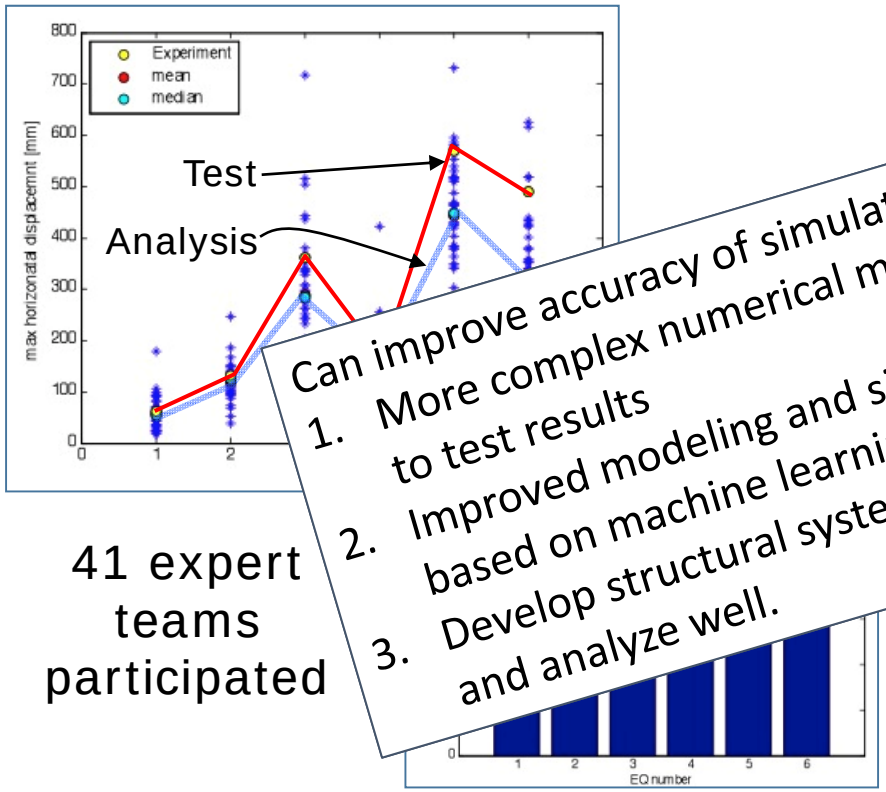
Can we trust simulation results?



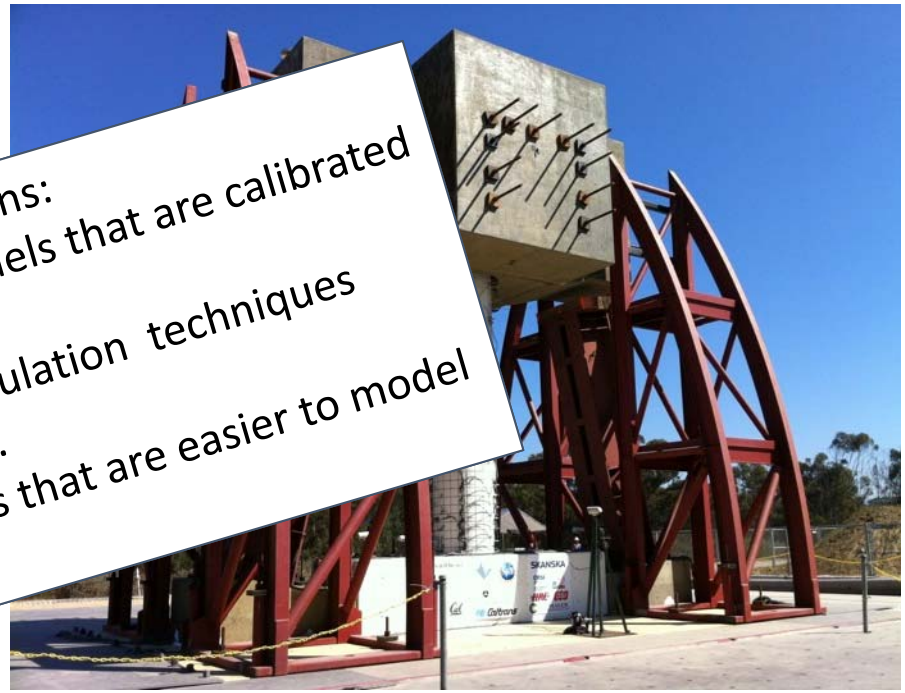
41 expert teams participated

PEER-NEES Blind Analysis Contest

(Terzic et al, PEER, 2015)

Can improve accuracy of simulations:

1. More complex numerical models that are calibrated to test results
2. Improved modeling and simulation techniques based on machine learning.
3. Develop structural systems that are easier to model and analyze well.



Full-scale 1D tests of circular column - Jose Restrepo, PI (PEER, Caltrans, UNR, FHWA, NEES@UCSD, NEEScomm & NSF)