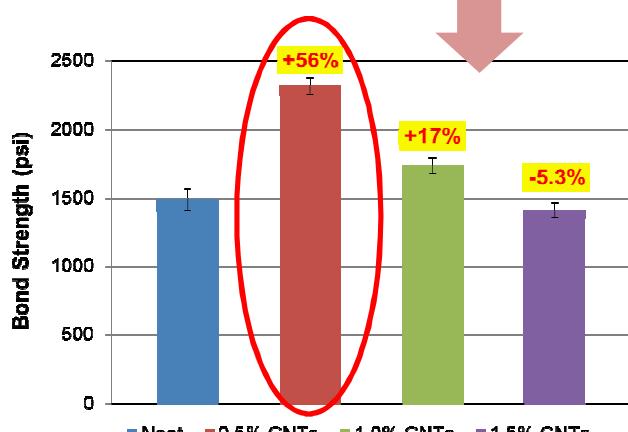
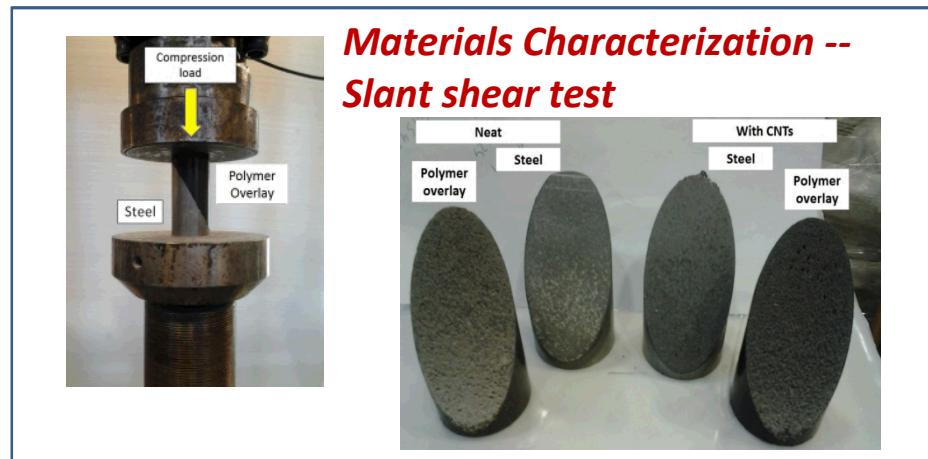


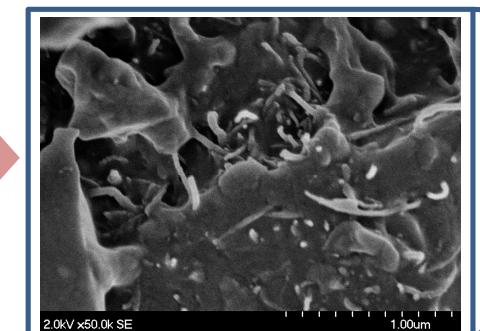
# Numerical and Experimental Design of Wellbore Seal Repair Material Using Nanocomposites

Presented by:

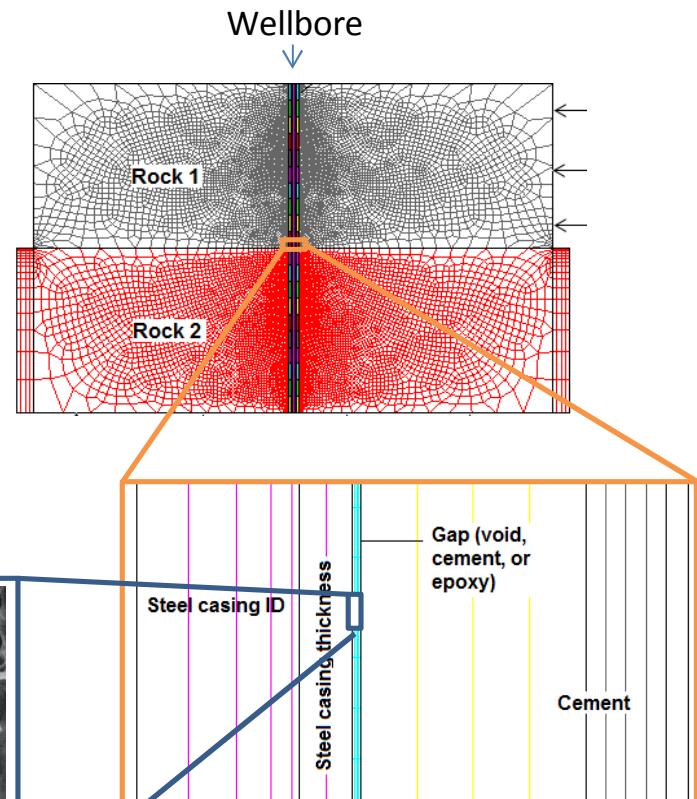
University of New Mexico and Sandia National Laboratories



**Optimize Material Properties**



**Epoxy-CNTs nanocomposite**



**3D Geomechanical Modeling of  
Wellbore Interfaces**  
*(Predict in-situ material performance)*