Direct Measurement of the Force between Neutral Dipolar Materials Induced by External Electrostatic Fields

William Ducker, Department of Chemical Engineering, Virginia Tech Dielectrophoresis is a potential candidate for the separation of minerals, oils and emulsions in the mineral and oil industries. In this project we study the frequency-dependent dielectrophoretic force (F_{DEP}) between two particles using Atomic Force Microscopy (AFM).

