

Impact of Interparticle Friction and Adhesion on the Bulk Rheology of Granular Media

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This talk will present recent advances in our understanding of granular rheology, focusing initially on simple grains with non-adhesive, constant-friction interactions. We will then examine how more complex interparticle interactions—such as non-Coulombian friction and adhesive forces—can alter bulk flow properties. The discussion will also address the various experimental rheometers used to study these phenomena, highlighting their advantages and limitations.