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To: Kalathur Santhanam
Subject: Abstract: Symposium

Prolate Granular Material

Connected Networks, Jammed States, and Force Fluctuations

For the past few months I have been studying force fluctuations exerted on a ball that is past vertically through a granular medium. The force fluctuations have been observed to have a characteristic saw tooth shape with forces reaching three times that of the weight of the granular medium in which the ball is being pulled through. I have also observed a connected network of rods in which several rods entangled and suspended by a single $\frac{1}{4}$ " screw was able to maintain a cylindrical shape without the aid of supportive walls. I will be presenting this along with the rest my results.

-Kenneth Desmond
Advisor-Scott Franklin