



**TIFR Centre for Interdisciplinary Sciences,
Narsingi, Hyderabad 500075**

Seminar

Super-spreading in granular material

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One usually thinks of granular matter as macroscopic objects that interact with each other only via contacts, i.e., they have no surface tension. However, there are many situations that one encounters on a regular basis where this assumption does not hold well. In this talk I will speak about the process via which a mono layer of granular particles, interacting via repulsive interactions, climb a wall of a vertically placed cylinder. In many ways the phenomena presents striking similarity with the Marangoni effect, where the mass transport is driven by gradients in surface tension. I would discuss the issue of surface tension and possible mechanisms of interfacial mass transport in granular matter in the context of these experiments.

Thursday, Sep 12th 2013

11:30 AM (Tea/Coffee at 11:15 AM)

Conference Hall, TCIS

Transport Arrangements from UOH: 11.00 AM

(Driver : Mr. Pandey, Ph: 7416562883)