

5<sup>th</sup> Northeast Granular Workshop

Friday, June 1<sup>st</sup> 2007 Lederle Tower, Room 1634

## Schedule of talks

09:15 - 10:00	Registration and breakfast
10:00 - 10:40	<i>Contact forces, jamming and unjamming in granular systems</i> Trushant Majmudar, MIT, Mech E
10:40 - 10:55	3D Dense Granular Flow Simulation with Discrete Element Method Fuping Zhou, ExxonMobil Research and Engineering
	10 minute break
11:05 - 11:15	<i>Defining and measuring a granular continuum element</i> Chris Rycroft, MIT, Applied Mathematics
11:15 - 11:55	A phase space for jamming Bulbul Chakraborty, Brandeis Physics
12:00 - 1:30	Lunch and posters
1:30 - 2:10	Granular electrostatics Troy Shinbrot, Biomedical Engg, Rutgers
2:10 - 2:25	<i>Energy cascades and power law tails in granular gases</i> Jon Machta, UMass Physics
2:25 - 2:40	<i>Nonequilibrium phase transition in a 2D isobaric granular fluid</i> , Rohit Ingale, CUNY
2:40 - 3:30	Coffee and posters
3:30 - 4:10	Some practical implications of cohesion in powders' physical properties Micha Peleg, UMass Food Science
4:10-4:25	Jamming with attraction Gregg Lois, Yale, Mech E
4:25 - 4:40	Structure and dynamics of a granular bead chain, Kevin Safford, Clark, Physics

## Posters

Statistical mechanics of jammed matter Christopher Briscoe, Levich Institute, CUNY

Vector force measurements at the boundary of a dense granular flow Kevin Facto, UMass, Physics

*Testing the equal-probability assumption for jammed particle packings* Guo-jie Gao, Yale University, Mech Engineering

A Statistical Ensemble for Soft Granular matter Silke Henkes, Brandeis, Physics

*Velocity fluctuations in dense sheared granular flows* Arshad Kudrolli, Clark University, Physics

*Erosion of a granular bed driven by laminar fluid flow* Ashish Orpe, Clark University, Physics

A phase diagram for jammed granular matter Chaoming Song, City College of New York

Heating mechanism affects equipartition in a binary granular system Hongqiang Wang, UMass, Physics