

16th Annual Northeastern

Granular Materials Workshop

Friday June 8th, 2018

School of Engineering and Applied Science, Yale University

Schedule

Friday, June 8, 2018

8:30 - 9:30	Registration	
8:30 - 9:30	Breakfast	
	Session I	Corey O'Hern
9:30 - 10:15	<i>Fast-moving bacteria self-organize into active two-dimensional crystals of rotating cells</i>	Alexander Petroff
10:15 - 10:30	<i>Local and Connected Voids in Protein Cores Reveal Random Close Packed Structure</i>	Jack Treado
10:30 - 10:45	<i>Numerical simulations of isotropic active gels</i>	Nicholas Derr
10:45 - 11:15	Coffee Break	
	Session II	Mark Shattuck
11:15 - 12:00	<i>Soft Interface Mechanics</i>	Katharine Jensen
12:00 - 12:30	Snapshots (3 minutes each)	
12:30 - 1:30	Lunch	
	Session III	Arshad Kudrolli
1:30 - 2:15	<i>Evidence for Marginal Stability in Emulsions</i>	Jasna Brujic
2:15 - 2:30	<i>Modeling Shear-rate-gradient-driven Size-segregation in Dense, Bidisperse Granular Flows Down a Vertical Chute</i>	Daren Liu
2:30 - 3:00	Break	
	Session IV	Narayanan Menon
3:00 - 3:15	<i>Quantifying hidden order out of equilibrium</i>	Stefano Martiniani
3:15 - 3:30	<i>Instabilities in settling array of discs</i>	Rahul Chajwa
3:30 - 4:15	<i>Strain localization and fracture in metallic glasses</i>	Christopher Rycroft
4:30	Adjourn	