

# **Industry/University Cooperative Research Center For Advanced Studies in Novel Surfactants**

**IAB Annual Meeting Agenda  
May 27, 2008**

**Columbia University, 530 West 120<sup>th</sup> Street, Davis Auditorium  
New York, New York 10027**

- 8:30 - 9:00            *Continental Breakfast & Registration*
- 9:00 - 9:15            *Welcome & Introduction*  
P. Somasundaran
- 9:15 - 9:45            *Briefing on IUCRC and Review*  
P. Somasundaran
- 9:50 - 10:00          *NSF I/UCR Program*  
D. Gray
- Projects with specific relevance to industry*
- 10:05 - 10:20          Mesoscopic simulation of surfactant thread-like micelle formation by  
dissipative particle dynamics  
Y. (Maggie) Li
- 10:25 - 10:40          Interactions of surfactant with hydrophobically modified polymer studies by  
fluorescence and electron spin resonance spectroscopy  
Y. Li
- Break and Poster Session*
- 10:45 - 11:00          Solution and interfacial behavior of modified silicone polymers and their  
interactions with solid substrates  
P. Purohit
- 11:05-11:20          Mechanism of stabilization of silicone oil – water emulsions stabilized by  
hybrid silicone polymers  
S. Mehta
- 11:25 - 11:40          Intermolecular packing in giant surfactant micelles:  
Nanostructure vs. Viscoelasticity  
S. Lu

11:45 – 12:00	Surface-chemistry studies of porous polymer scaffolds for tissue engineering applications-control of hydrophobicity through surface functionalization S. Ponnurangam
12:05 - 1:00	<i>Lunch</i>
1:00-2:20	<i>Green Surfactant Initiative Discussion</i>
2:20-2:35	Selective flotation of pentlandite from ultramafic nickel ore P. Parta
2:40 - 2:55	Relationship between conformation of comb copolymer dispersant and colloid stability Professor Q. Ran
3:00 - 3:15	Deposition and removal of emulsions on model skin under shear flow B. Li
3:20 - 3:35	Effect of nanoparticle size on acid-base properties of metal oxides I. Chernyshova
3:40 - 3:55	A study on the poly(acrylic acid)- sodium carbonate solution X. Fang
4:00-4:15	<i>Break and Poster Session</i>
4:15 - 4:40	<i>Discussion of current and potential projects</i>
4:40 - 5:30	<i>Poster Session</i>
5:30 - 8:00	<i>Social/Dinner</i>

**Wednesday, May 28, 2008**

**IAB Executive Committee Meeting (Members Only)**

**9:00-11:30 pm**