

IPrime University of Minnesota

Micelle Workshop Schedule

January 28, 2003 (Tuesday)

8:10am-5:00pm

402 Walter

Hosted by the Nanostructured Materials and Processes (NMP) and
Microstructured Polymers (MP) programs

- 8:10am Registration and coffee - Eric Hockert
8:25am Welcome - Alon McCormick, Tim Lodge – U of M
8:30am Current issues in block copolymer micelles - Tim Lodge (U of M)
9:00am The effect of surfactants on the wormlike micelles of diblock co-polymers
H. Ted Davis (U of M)
9:30am Technical interests and needs at Ecolab – David Gohl (Ecolab)
10:00am Coffee break (401 Walter)
10:30am Self-assembly of water soluble aromatic compounds
Solubilization by using emulsion solvent diffusion technique –
Junichi Oizumi (Mitsubishi Chemical)
11:00am Simulating wormlike transitions – Alon McCormick (U of M)
11:30am Lunch break
12:30pm Anomalous micellization in block copolymer solutions – Tim Lodge
1:00pm Liquid emulsion membranes as water softening agents - Keith Lokkesmoe
(Ecolab)
1:30pm Micelle formation in polyelectrolyte solution –
Hiroya Kodama (Mitsubishi Chemical)
2:00pm Coffee break (401 Walter)
2:30pm Sodium soap interests at Kodak – David Whitcomb (Kodak)
3:00pm Macromolecular surfactants – Frank Bates (U of M)
3:30pm Cubic packing of spherical block copolymer micelles in concentrated
solutions – Joona Bang (U of M)
4:00pm Viscoelastic surfactants in hydraulic fracturing with emphasis on shear
recovery – Yenny Christanti (Schlumberger Oilfield Services)
4:30pm Rod-like biopolymers: Origin, manufacture and application in the oilfield
– Mike Parris (Schlumberger Oilfield Services)
5:00pm End

Note – Talk length includes 5-10 minutes for Q&A