

**14th PRINCETON-MIT MICROSYMPOSIUM ON POLYMERS
CAMBRIDGE MASSACHUSETTS
MAY 31 – JUNE 1, 2006**

Wednesday May 31, 2006

Noon: Lunch provided in 66-360

1:00 John Bishop (Register): “Hydrogenated ROMP Triblock Copolymers as Thermoplastic Elastomers”

1:30 Ben Wang (Cohen,McKinley): Rheology of POSS and Clay-filled PMMA”

2:00 Andy Marencic (Register/Chaikin): “Dislocation Density and Orientational Order of Spherical Microdomains in Shear-Aligned Block Copolymer Thin Films”

2:30 Adam Nolte (Cohen/Rubner): "Two-plate buckling of thin polymer films for polyelectrolyte multilayer modulus measurements."

3- 3:30 Break (Sodas/Snack)

3:30 Sasha Myers (Register): “Crystallization of Perfectly Linear Polyethylene Confined by Glassy Polyvinylcyclohexane”

4:00 Daeyeon Lee (Cohen/Rubner): “Stimuli-responsive Polymer Thin Films from Polyelectrolyte Multilayers: From hysteretic gating of membranes to magnetic nanotubes”

4:30 Jeff Quinn (Register): “Nitroxide Mediated Radical Polymerization of Functional Styrene Monomers”

5:00 Ben Wang (Cohen/Kane): “SAXS investigation into the density of structured nanotube forests” (15 minute presentation)

5:15 Break

6:15 Meet in parking lot behind 66 for walk to dinner.... counting Smoots en route. Cars not required. Island Hopper Restaurant, Mass Ave. at Newbury St., Boston.

Thursday June 1, 2006

8:30 Light Breakfast Provided in 66-360

8:45 Ryan Bennett (Cohen): "Controlling the Morphology of Carbon Nanotube Films Using Block Copolymer Micellar Thin Films"

9:15 Jose Vedrine (Register/Chaikin): “Fabrication of Nanohole Arrays with Long-Range Orientational Order from Block Copolymer Thin Films”

9:45 Andy Miller (Cohen,/Hammond/Irvine): “Block Copolymer Micelle Thin Films”

10:15 – 10:30 Break

10:30 Rick Register (work of Kat Wakabayashi): “Crystallizable Ionic Polymer - Ionic Oligomer Blends”

11:00 Sharon Soong (Cohen/Boyce): “Rate Dependent Mechanical Behavior of POSS-filled and Plasticized PVC”

11:30 Bob Scogna (Register): “Yield Behavior of Ethylene-Methacrylic Acid Copolymers”

12:00 Stephanie Dechanel (Cohen/Boyce): “Mechanical Performance and High Rate Behavior of Commercial Thermoplastics”

12:30 Bag lunches/drinks provided in 66-360