

**14<sup>th</sup> 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*