



**15<sup>th</sup> Cohen-Register Microsymposium**  
 May 30-31, 2007 ✨ Princeton University  
 Eisenhart Room, G201 Engineering Quadrangle



**Wednesday, May 30**

- Noon Arrival and Lunch in the Eisenhart Room (Engineering Quadrangle, Room G201)
- 1:00 pm **Young-Rae Hong** (Register/Chaikin)  
*Silicon Nanowire Grid Polarizer Fabricated from a Shear-Aligned Diblock Copolymer Template*
- 1:30 **Ryan Bennett** (Chaikin/Register)  
*Block Copolymer Micellar Thin Films as Templates for the Production of Tunable Inorganic Nanocluster Arrays and their Applications*
- 2:00 **Andy Marencic** (Register/Chaikin)  
*Sphere-Forming Block Copolymers Aligned Under Dual Shear*
- 2:30 **\*\* BREAK \*\***
- 2:45 **Andy Miller** (Cohen/Hammond/Irvine)  
*Amphiphilic Block Copolymer Micellar Thin Films: Creation of Nanocavities and Use as Nanocontainers for Controlled Release*
- 3:15 **Jeff Quinn** (Register)  
*Modification of Acetoxystyrene/Styrene Block-Random Copolymers to Induce Hydrogen Bonding and Microphase Separation*
- 3:45 **Anish Tuteja** (Cohen/Rubner)  
*Designing Super-Oleophobic Surfaces*
- 4:15 **\*\* BREAK \*\***
- 4:30 **Sasha Myers** (Register)  
*Crystal Thickness and Orientation in Block Copolymers Containing Linear Polyethylene*
- 5:00 **Ben Wang** (Cohen)  
*Elucidating and Mapping Morphological Variations in Carbon Nanotube Films by Small-Angle X-Ray Scattering*
- 6:15 DINNER at Masala Grill (19 Chambers Street)

**Thursday, May 31**

- 8:15 am Continental Breakfast in the Eisenhart Room (Engineering Quadrangle, Room G201)
- 8:45 **Stephanie Deschanel** (Cohen/Boyce)  
*Rate-Dependent Mechanical Performance of Ethylene-Methacrylic Acid Copolymers and POSS-Enhanced EMAA Nanocomposites*
- 9:15 **Bob Scogna** (Register)  
*Describing the Strain Rate Dependence of the Yield Stress in Ethylene-Methacrylic Acid Copolymers Using a Modified Ree-Eyring Equation*
- 9:45 **Zekeriyya Gemici** (Cohen/Rubner)  
*Mechanically Robust Structured Multilayer Films via Hydrothermal Treatment*
- 10:15 **\*\* BREAK \*\***
- 10:30 **Bulent Ozbas** (Prud'homme/Aksay/Register)  
*Multifunctional Elastomer Nanocomposites with Functionalized Graphene Sheets*
- 11:00 **Gary Chia** (Cohen/Rubner)  
*Gold Nanoparticles Templated via Polyelectrolyte and Inorganic Nanoparticle Multilayers*
- 11:30 **John Bishop** (Register)  
*Ring-Opened Polyphenethylnorbornene and its Hydrogenated Derivatives*
- Noon Lunch and Departure