



# 2015 Princeton-MIT Microsymposium on Polymers



## Wednesday, June 10<sup>th</sup> (66-360)

- 12:30 Welcome and Lunch
- 1:30 **Dane Christie** (Priestley/Register)  
*Synthesis and Characterization of Pyrene-Labeled n-Alkyl Methacrylate Diblock Copolymers*
- 2:00 **Thiago Taketa** (Rubner/Cohen)  
*The Role of Chitosan Microstructure in Layer-by-Layer Assembly of Ultrathin Films*
- 2:30 **Dong-Gyun Kim** (Register)  
*Living Vinyl Addition Polymerization of Substituted Norbornenes by a t-Bu<sub>3</sub>P-Ligated Methylpalladium Complex*
- 3:00 Break
- 3:30 **Roberta Polak** (Rubner/Cohen)  
*Design and Production of Functional Thin-film Backpacks for Cell-Based Therapies*
- 4:00 **Will Mulhearn** (Register)  
*Controlling Miscibility in Polyethylene-Polynorbornene Block Copolymers via Side-Group Chemistry*
- 4:30 **Khalid Askar** (Rubner/Cohen)  
*High Performance Multifunctional, Halloysite-Containing Coatings for Desert-Based Solar Cells*
- 5:00 Dinner (Location TBD)

## Thursday, June 11<sup>th</sup> (66-360)

- 8:30 Breakfast
- 9:00 **Rick Register** (work of Raleigh Davis)  
*Progression of Alignment in Thin Films of Cylinder-Forming Block Copolymers upon Shearing*
- 9:30 **Justin Kleingartner** (McKinley/Cohen)  
*Hierarchical Design of Liquid-Repellent Woven Fabrics*
- 10:00 **Raleigh Davis** (Register)  
*Coatings with Thermally Switchable Surface Energies Produced from PEO-PDMS Block Copolymers*
- 10:30 **Andrew Milne** (McKinley/Cohen)  
*Coatings for Turbulent Drag Reduction*
- 11:00 **Dayong Chen** (McKinley/Cohen)  
*A Self-cleaning Smart Window Enabled by Wrinkling Instability and Electrochromism*
- 11:30 **Adam Burns** (Register)  
*Effect of Tacticity on the Structure and Properties of Hydrogenated Polynorbornene*
- 12:00 Lunch and Farewell