

**Second Annual Northeast Ohio Polymer REU Symposium
Case Western Reserve University - August 4, 2005**

REGISTRATION

8:30 – 9:30 **Hovorka Atrium, Case**
Coffee/Juice Continental Breakfast

ORAL PRESENTATIONS – DeGrace Hall Room 312

9:30 WELCOME AND INTRODUCTIONS

KEYNOTE LECTURE:

9:45 Dr. Michael A. Meador NASA Glenn Research Center
*Nanostructured Materials for Aerospace Power and
Propulsion Applications*

STUDENT PRESENTATIONS:

10:15 Neil Treat	University of Akron <i>Synthesis and Studies of Poly(Acrylic Acid) Brushes via Deprotection of Poly(tert-Butyl Acrylate) Brushes</i>
10:30 Adrian Accurso	NASA Glenn Research Center <i>Synthesis of Polyacene Bisimides by Diels-Alder Trapping of Photochemically Generated o-Quinodimethane Intermediates</i>
10:45 Kelly Antion	Kent State University <i>The Effects of Multivalent Cations on the Phase Diagrams of Lyotropic Chromonic Liquid Crystals</i>
11:00 Ann Reinardy	Case Western Reserve University <i>Synthesis of Epoxide and Acrylate Membranes for Proton Exchange Membrane Fuel Cells</i>
11:15 Kathleen McEnnis	University of Akron <i>Two-Dimensionally Ordered Patterns via Single Crystal Engineering</i>
11:30 Sarah Rasmussen	Case Western Reserve University <i>Controlling Morphology of Electrospun Fiber Coatings for Optimized Drug Elution</i>
11:45 Nathan Alexander	University of Akron <i>Simulation of the Self-Assembly of Dendrimers with Various Surface Patterns</i>
12:00 Plousia Vassilaras	NASA Glenn Research Center <i>Polymer Crosslinked Silica Aerogels</i>
12:15 Matt Gawyrła	Case Western Reserve University <i>Preparation and Visual Characterization of Clay Aerogel Composites</i>

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12:30 **BUFFET LUNCH – Hovorka Atrium**

1:30 **POSTER SESSION – Hovorka Atrium**
Light refreshments

Tours of the Department of Macromolecular Science and Engineering / Kent Hale Smith Building to be arranged, starting at 3 PM

4:00 **Depart Case**