

# 5<sup>TH</sup> ANNUAL NORTHEAST OHIO UNDERGRADUATE RESEARCH SYMPOSIUM

Thursday, July 31, 2008

The University of Akron  
College of Polymer Science and Polymer Engineering  
Goodyear Polymer Center  
Goodyear Auditorium and Atrium (2<sup>nd</sup> floor)

## Symposium Schedule

- 8:30 – 9:00 Registration & Refreshments
- 9:00 – 9:45 The University of Akron and NASA Glenn Research Center Posters (Atrium)
- 9:55 – 10:10 Opening Remarks (Goodyear Auditorium – Professor Coleen Pugh – UAkron NSF REU Site Director)
- 10:10 – 10:30 **Christopher B. Durr**, Kent State University, *Part I: The Synthesis and Characterization of Vanadium Neopentoxide and its Derivates; Part II: A Study of Diphosphate Bridged Transition Metals*
- 10:30 – 10:50 **Ryan Carris**, The University of Akron and Wittenberg University, *Anionic Synthesis of In-chain and Chain-end Functionalized Polymers with Fluorescent Probes via Hydrosilation*
- 10:50 – 11:10 **Victoria Yakovleva**, Case Western Reserve University and University of Wisconsin-Madison, *Effectiveness of Copolymers as Compatibilizers to Improve Adhesion of Polypropylene and High Density Polyethylene*
- 11:10 – 11:30 **Alexandra Medoro**, NASA Glenn Research Center and Case Western Reserve University, *Development of Flexible, Polyurethane Crosslinked Silica-Based Aerogels*
- 11:30 – 12:15 Case Western Reserve University Posters (Atrium)
- 12:15 – 1:15 Lunch (3<sup>rd</sup> Floor Atrium)
- 1:15 – 2:00 Kent State University Posters (Atrium)
- 2:10 – 2:30 **Brandon Wenning**, Case Western Reserve University, *Supramolecular Polymeric Systems for Healable Materials*
- 2:30 – 2:50 **Renee Perry**, NASA Glenn Research Center and Bucknell University, *Di-isocyanate Cross-linked Aerogels with 1,6-Bis(trimethoxysilyl)hexane Incorporated into the Silica Backbone*
- 2:50 – 3:10 **Raymond J. de Cuba II**, Kent State University and Rollins College, *Higher Order G-Quadruplexes in the Insulin-Linked Polymorphic Region*
- 3:10 – 3:30 **Kathleen Armistead**, The University of Akron and University of Kansas, *Dynamics of Biological Macromolecules in Various Solvents*
- 3:30 Close