

5TH 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 (2nd 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 (3rd 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