The Fourth Annual Northeast Ohio Undergraduate Research Symposium

August 2, 2007 Hosted by the Ohio Aerospace Institute and NASA Glenn Research Center

Agenda

8:00 - 8:40	Registration
8:40 - 9:00	Welcoming Remarks – OAI and NASA
9:00 - 9:20	Charles Sing, Case Western Reserve University <i>Time-Temperature Indicators in High Temperature Applications</i> Advisor: Dr. Christoph Weder, Case Western Reserve University
9:20 - 9:40	Emily Hagan, Hiram College Boundaries of Gecko Adhesion: Surfaces and Temperatures Advisor: Dr. Ali Dhinojwala, The University of Akron
9:40 - 10:00	Andrew Konya, Kent State University Modeling Defect Dynamics in Liquid Crystals Advisor: Dr. Robin Selinger, Kent State University
10:00 - 10:20	Ashley Carbaugh, Washington and Jefferson College Synthesis and Chemosensory Characterization of Substituted Anthracene Bisimide Derivatives Advisors: Dr. Daniel Tyson, Dr. Michael Meador, NASA Glenn Research Center
10:20 - 10:40	Break
10:40 - 11:00	Greg Zartman, The University of Akron Calculation of Modulus of Sheet Silicates Using Molecular Dynamics Simulation Advisor: Dr. Hendrik Heinz, The University of Akron
11:00 - 11:20	Rocco Viggiano III, Penn State University, Erie Incorporation of Chalcogenide Glasses as an Oxygen Permeation Barrier in Selected Polymers Advisors: Dr. David Schiraldi, Mr. Mohit Gupta, Case Western Reserve University
11:20 – 11:40	Cory Criss, Westminster College Gold Nanoparticle Mediated Cellular Delivery of the Natural Product Curcumin Advisor: Dr. Soumitra Basu, Kent State University
11:40 - 12:00	Amanda Weber, University of South Dakota Di-epoxy Crosslinked Aerogels Using Ethanol as an Environmentally Friendly Solvent Advisor: Dr. Mary Ann Meador, NASA Glenn Research Center
12:00 - 1:00	Lunch
1:00 - 3:00	Tour of NASA Facilities
3:00 - 4:30	Posters