Day 1 Morning: Amphitheater 2  Room 144 Lowest Level

Beverages will be available all day  7 am-5 pm

7:15 am  Participant registration

7:00 - 8:15 am  Breakfast and social time  (food available until 9)

Welcome remarks: Prof. Greg Beaucage and Prof. Ron Larson
Deborah Galloway, Associate Vice President for Research, University of Cincinnati

Prof. George Sorial, Director School of Energy, Environmental, Biological and Medical Engineering, University of Cincinnati
Michael Drake, Director of Corporate Relations, College of Engineering, University of Michigan

8:35 - 9:15 am  Vision and Capabilities of the Center (Prof. Greg Beaucage and Prof. Ron Larson)

NSF I/UCRC presentation: I/UCRC
Dr. Larry A. Hornak, I/UCRC Program Director
Dr. Dee Hoffman, I/UCRC Evaluator

10:00 - 10:15 am  BREAK

Morning Project Presentations

10:15 – 10:45 am  1) Controlling Polymer Rheological Properties Using Long-Chain Branching
Prof. Greg Beaucage, University of Cincinnati

10:45 – 11:15 am  2) Quantification of Molecular Architecture using Small-Angle X-ray and Neutron Scattering
Prof. Rick Laine, University of Michigan

11:15 – 11:45 am  3) Self-curing nanocomposites via Thiol-Ene reactions
Prof. Steve Clarson, University of Cincinnati

11:45 – 12:15 pm  4) Macromolecular Topology in Siloxanes

12:15 - 1:00 pm  LUNCH  Buffet Style Upstairs in the Restaurant
Day 1 Afternoon: Amphitheater 2  Room 144 Lowest Level

Afternoon Project Presentations

Prof. Peter Green, University of Michigan
1:00 – 1:30 pm  5) Physical Aging of Morphologically Heterogeneous Polymer Based Films

Prof. Vikram Kuppa, University of Cincinnati
1:30 – 2:00 am  6) Topological control of polymer absorption

Prof. Mike Solomon, University of Michigan
2:00 – 2:30 am  7) Microstructural and microrheological characterization of complex polymer systems

Prof. Jude Iroh, University of Cincinnati
2:30 – 3:00 pm  8) Epoxy/Nylon Topological Polymers

3:00 - 3:15 pm  BREAK

Industry Workshop (involves discussion of projects & company needs NOT addressed in the above Project Presentations)

3:15 - 4:30 pm  Review of evening and Day 2 activities (Prof. Ron Larson and Greg Beaucage)

Technical Forum and Social: Poster Session Outside 140/144

Appetizers and Open Bar

9) Understanding Gel Structure using SANS Prof. Greg Beaucage
10) Chromatographic Methods for Topological Characterization M. S. Rahman, Prof. Jimmy Mays (UTenn)
11) Dynamic mechanical properties of siliconized polyimide films with extremely high rubbery plateau modulus. Prof. Jude Iroh
12) Hard, high temperature non-stick nanocomposite surfaces. Prof. Rick Laine
13) Network Structure of Conductive Polymers for Photovoltaic Devices. Prof. Vikram Kuppa

4:45-7 pm  GENERAL POSTERS (Not projects)

USAXS at the APS for Macromolecular Topology Dr. Jan Ilavsky
Sensitive Detection of Long Chain Branching in Entangled Polymers Prof. Ron Larson
Scaling Model for Molecular Topology Prof. Greg Beaucage
Topological control of thermoset materials for tuned mechanical properties. Prof. Jude Iroh
Tailoring the structure of polymer chain end-grafted nanoparticle/homopolymer thin film mixtures. Prof. Peter Green

7:00-9:00 pm  DINNER Mt. Storm Room 140 (Next to Amphitheater)
Day 2 Morning: Amphitheater 2   Room 144 Lowest Level

Beverages will be available all day  7 am-1 pm

7:00 - 8:00 am  Arrival and Breakfast  (Food available until 9)

8:00 - 9:30 am  LIFE FORM review and Discussion - NSF moderated
                 University Responses to Comments

9:30 - 11:00 am  Feedback from Industry Workshop - Industry Moderated

11:00 - 11:30 am  NSF Closed Session with Industry

11:30 - 12:00 pm  Summary & Closing Remarks (Prof. Ron Larson and Prof. Greg Beaucage)

11:00 – 1:00 pm  BOX LUNCH (for take-out or eat-in)
                 ADJOURN