



**Center for Macromolecular Topology
Planning Meeting Agenda
Kingsgate Marriott
University of Cincinnati, Cincinnati, OH**

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)
8:15 - 8:35 am	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)
9:15 - 10:00 am	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	Prof. Ron Larson, University of Michigan 1) Controlling Polymer Rheological Properties Using Long-Chain Branching
10:45 - 11:15 am	Prof. Greg Beaucage, University of Cincinnati 2) Quantification of Molecular Architecture using Small-Angle X-ray and Neutron Scattering
11:15 - 11:45 am	Prof. Rick Laine, University of Michigan 3) Self-curing nanocomposites via Thiol-Ene reactions
11:45 - 12:15 pm	Prof. Steve Clarson, University of Cincinnati 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

- 1:00 - 3:00 pm
- 1:00 – 1:30 pm** Prof. Peter Green, University of Michigan
5) Physical Aging of Morphologically Heterogeneous Polymer Based Films
- 1:30 – 2:00 am** Prof. Vikram Kuppa, University of Cincinnati
6) Topological control of polymer absorption
- 2:00 – 2:30 am** Prof. Mike Solomon, University of Michigan
7) Microstructural and microrheological characterization of complex polymer systems
- 2:30 – 3:00 pm** Prof. Jude Iroh, University of Cincinnati
8) Epoxy/Nylon Topological Polymers

3:00 - 3:15 pm

BREAK

3:15 - 4:30 pm

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

4:30 - 4:45 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

- 4:45-7 pm
- 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

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)

