



**Sponsors:**

*ACS Division of Polymer Chemistry  
ACS Akron Local Section*



**CASE**

CASE WESTERN RESERVE UNIVERSITY

## *Agenda*

- 8:00-9:00 Registration
- 9:00-9:10 Welcoming Remarks
- 9:10-9:25 Anna Davies, College of Wooster  
*Rapid Preparation of ATRP Initiators in Water*  
Advisor: Dr. Emily Pentzer, Case Western Reserve University
- 9:25-9:40 Taylor Freeman, Washington and Jefferson College  
*Synthesis of a Hydrogel via Grafting of Polystyrene onto an Isobutylene-Maleic Anhydride Alternating Copolymer*  
Advisor: Dr. Li Jia, University of Akron
- 9:40-9:55 Mark Campbell, Kent State University  
*Synthesis of New Photoactivatable Nitroxyl (HNO) Donors*  
Advisor: Dr. Paul Sampson, Dr. Alexander Seed, Dinesh Nath and Yang Zhou  
Kent State University
- 9:55- 10:10 Christopher Ramirez, The University of Texas at El Paso  
*Thermal Stability of Aerogel Composites*  
Advisor: Francis Hurwitz, NASA Glenn Research Center
- 10:10-10:30 Break
- 10:30-10:45 Rhett Carpenter-Thompson, Central Michigan University  
*Synthesis of Sulfone-Containing Novel Ferroelectric Nylons*  
Advisor:, Dr. Lei Zhu, Zhongbo Zhang, Case Western Reserve University
- 10:45 – 11: 00 John Meyerhofer, Saint Vincent College  
*Evidence for Proposed Mechanism of Surface Layer Matrix-Assisted Laser Desorption Ionization Time-of-Flight Mass Spectrometry (SL-MALDI-ToF-MS)*  
Advisor: Jake Hill, Dr. Mark D. Foster, University of Akron
- 11:00-11:15 Avery Tishue, Kenyon College  
*Electrophoresis of Defected Spheres in a Nematic Liquid Crystal*  
Advisor: Dr. Oleg Lavrentovich, Chenhui Peng, ICI Kent State University
- 11:15 – 11:30 Johnny Enrique López Calero, University of Puerto Rico at Mayagüez  
*Effect of Coating & Irradiation on the Conductivity of Carbon Nanotube Fibers*  
Advisor: Deborah L. Waters, James R. Gaier, NASA Glenn Research Center
- 11:30-12:30 Lunch
- 12:30-1:30 Poster Session (“A” posters)
- 1:30-2:30 Poster Session (“B” posters)
- 2:30 – 3:30 Tour of NASA facilities