

New Materials Frontiers: Connecting Synthetic Innovation with Materials Discovery

Spring Polymer Workshop @UMassPSE

Thursday, May 18, 2023 Conte Building Seminar Room: A110/111

Technical Program

9:00 a.m. Opening remarks and introduction: Todd Emrick, UMass PSE

9:15 Professor Jia Niu, Boston College

Chemical Synthesis of Precision Polysaccharides via Living Polymerization

10:00 Professor Neel Joshi, Northeastern University

Biologically Fabricated Materials from Engineered Microbes

10:45 Coffee Break

11:15 Professor Abigail Knight, U North Carolina Chapel Hill

Harnessing Biomimetic Hierarchical Structure in Synthetic Macromolecules

12:00-1:15 pm Lunch & informal discussion

1:15 Dr. Michael Lis, E-Ink

Materials Challenge in Electrophoretic Displays

2:00 Coffee Break and Poster Setup

2:30 Mingqiu Hu, UMass Amherst

Self-assembly of Linear & Bottlebrush Copolymers: Bulk and Thin Films Studies

3:15 Professor Sarah Perry, UMass Amherst

Polyelectrolyte Complex Materials

4:00-6:00p Refreshments and student poster session

Purpose: In the spirit of semi-annual Polymer Workshops at UMass PS&E, lectures at this in-person event will highlight recent, innovative research at the intersection of materials chemistry and related disciplines. Students, postdocs and faculty members are invited, as well as guests affiliated with the Center for UMass-Industry Research on Polymers (CUMIRP).

