Western Mass / Western Japan Polymer Symposium
Thursday, August 17, 2017
Conte 1st Floor

8:45  Opening Remarks and Introductions

9:00  Al Crosby, UMass Amherst
*Deformation Mechanisms of Ultra-thin Polymer Glasses*

9:25  Shota Fujii, Kitakyushu University
*Discreteness and monodispersity in the aggregation number of Platonic micelles*

9:50  Shaw Hsu, UMass Amherst
*Development of Low Field NMR to characterize crosslinked polymeric structures*

10:15 Hitoshi Shimamoto, Kyushu University
*Precise synthesis of novel triblock copolymer with well-controlled stereoregularity and characterization of its molecular aggregation structure*

10:40  Break

11:05 Maria Santore, UMass Amherst
*Manipulating and Eliminating Bioadhesion with Polymer Brushes*

11:30 Atsushi Takahara, Kyushu University
*Precise Characterization of Polyelectrolyte Brushes at Aqueous Interfaces*

12:15  Lunch

1:30  Tetsu Ouchi, UMass Amherst
*The effects of thin film pattern geometry on surface instability modes of elastic bilayers*

1:55  Tomoyasu Hirai, Kyushu University
*Selective separation of fullerene molecules using a novel PMMA brush with well-controlled stereoregularity*

2:20  Laura Bradley, UMass Amherst
*HIP Materials: Harnessing Interfacial Phenomena to Design New Soft Materials*

2:45  Masaru Mukai, Kyushu University
*Control over stereoregularity of poly(3-hexylthiophene) by oxidative coupling polymerization in mesoporous materials*

3:05  Break

3:35  Daniel Flagg, UMass Amherst
*MQ Resins: Molecular Phantom Particles*

4:00  Syuji Fujii, Osaka Institute of Technology
*Stimuli-Driven Delivery and Release Systems Using Liquid Marbles*