

Wednesday, May 29

8:30-11:40 AM | Keller 3-180

New Developments in Coating Microstructure 1

Coating Process Fundamentals Program (CPF)

Lorraine Francis, Program Leader

This workshop explores topics related to coating microstructure. Presentations from academy and industry will cover a variety of topics including characterization techniques, surface structures in coatings, connections between coating microstructure and properties as well as applications that rely on microstructure.

AGENDA

<u>Time</u>	<u>Title</u>	<u>Authors</u>
8:25	Welcome and Overview	Xiang Cheng-UMN
8:30	Nanoporous Membranes from Block Polymer Precursors for Ultrafiltration of Water	Marc Hillmyer-UMN
9:00	Visualizing Asphaltene Deposition and Remediation in Microfluidic Porous Media	Lisa Biswal-Rice University
9:40	Challenges in Producing Conformal Coatings on Low Surface Energy Nonwovens	Matt Goertz-Donaldson
10:00	Break	
10:20	The Role of 3-D Interface Structure in the Deformation of Multilayered Nanocomposite Thin Films	Nathan Mara-UMN
10:50	Rheology of Particle-laden Polymeric Fluids: A Perspective From the Order of Addition	Hao Sun-PPG
11:20	Pharmavite: Bring the Gift of Health to Life	Haiyan Ge-Pharmavite
11:40	Adjourn	