2021 Polymer Characterization Short Course

November 1 & 2, 2021, 9:00 AM – 5:00 PM (ET)

Virtual Format

Featured Speakers

Helena Chiang, Research Manager, Underwriters Laboratories Taiwan Co., Ltd. “Evaluation of long-term thermal properties for polymeric materials”

Dr. Bo Li, Manager, PolyK Technologies, LLC “Characterization of Piezoelectric & Ferroelectric Polymers”

Dr. François Bargain, Research Scientist, Arkema, “How SAXS-WAXS can help to better understand the influence of semi-crystalline polymer polymorphism on material properties in industrial applications”

Dr. Chris White, Senior Managing Scientist, Exponent, LLC “Dripping Windows to Leaking Walls, Using Analytical Instrumentation to Solve Real-World Problems”

To register go to the TAFDV website at https://tafdv.org/
If questions e-mail: larry.judovits@hotmail.com
Full attendee fee: $125, Students: $50
2021 Polymer Characterization Short Course

November 1 & 2, 2021, 9:00 AM – 5:00 PM (ET)

Virtual Format

Program: Monday Day 1

8:55-9:00 AM  Welcome

9.00-9.10 AM  Opening remarks:

Dr. Andrew R. McGhie, Associate Director, Emeritus, Laboratory for Research on the Structure of Matter, UPENN

Dr. Steve Sauerbrunn, Center for Composite Materials, UDEL

Morning Session Chair: Dr. Larry Judovits, Arkema

9:10-10:30 AM  Helena Chiang, Research Manager, Underwriters Laboratories Taiwan Co., Ltd. “Evaluation of long-term thermal properties for polymeric materials” Featured Speaker

10:30-12:00 PM  Dr. Amandaa Brewer, Senior Research Scientist, Arkema, “An Overview of Size Exclusion Chromatography for Polymer Characterization”

Lunch (12:00-1:00 PM)  Break or Open Vendor Slot

Afternoon Session Chair: Dr. Sara Reynaud, Arkema & NATAS President Elect

1:00-2:30 PM  Dr. Catherine Smith, Research Scientist, Arkema “Applications of Mass Spectrometry for the characterization of polymers”

2:30-3:45 PM  Dr. Ehsan Akbari Fakhrabadi, Field Application Scientist, TA Instruments, “DMA, the path to mechanical testing from soft gels to stiff solids”

3:45-5:00 PM  Dr. Bo Li, Manager, PolyK Technologies, LLC “Characterization of Piezoelectric & Ferroelectric Polymers” Featured Speaker

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UNIVERSITY OF DELAWARE  CENTER FOR COMPOSITE MATERIALS
Program: Tuesday Day 2

8:55-9:00 AM   Welcome
9:00-9:05 AM   Opening remarks:

Dr. Larry Judovits, Principal Scientist, Arkema

Morning Session Chair: Dr. Steve Sauerbrunn, Center for Composite Materials, UDEL

9:05-10:30 AM   Dr. François Bargain, Research Scientist, Arkema, “How SAXS-WAXS can help to better understand the influence of semi-crystalline polymer polymorphism on material properties in industrial applications” Featured Speaker

10:30-11:15 PM   Dr. Elena Moukhina, Netzsch, Physicist, “Polymer Kinetics Analysis of Decomposition, Curing and Crystallization”

11:15-12:00 PM   Dr. Aurélien Neveu, Particle Scientist, GranuTools, “Characterizing the flowability and rheology of powders and granular materials”

Lunch (12:00-1:00 PM)   Break or Open Vendor Slot

Afternoon Session Chair: Dr. Larry Judovits, Arkema

1:00-2:15 PM   Dr. Caleb B. McDonald, Technology & Applications Consultant, Mettler “Fast Scanning Calorimetry”

2:15-3:00 PM   Dr. David Salas de la Cruz, Associate Professor, Rutgers University – Camden, College of Arts and Sciences, “Fabricating Advanced Carbohydrate Based Films”

3:00-3:45 PM   Michael Wells, Manager - Materials Science Research, Purple, “Determination of Structural Properties of commercial polymers- an emphasis on industrial development.”

3:45-5:00 PM   Dr. Chris White, Senior Managing Scientist, Exponent, LLC “Dripping Windows to Leaking Walls, Using Analytical Instrumentation to Solve Real-World Problems” Featured Speaker

5:00-5:05 PM   Closing Remarks and upcoming events

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