

Adhesion Science and Technology SHORT COURSE

AS

FEBRUARY 17-18, 2023

Omni Orlando Resort at ChampionsGate • Orlando, Florida

PROGRAM SCHEDULE

Friday, February 17

8:00 AM - 8:30 AM	CONTINENTAL BREAKFAST
8:30 AM - 9:30 AM	Chemistry of Adhesion <i>Giles Dillingham, BTG Labs LLC</i>
9:30 AM - 10:30 AM	Viscoelastic Properties of Adhesive Materials <i>David Yarusso, Yarusso Consulting</i>
10:30 AM - 10:45 AM	BREAK
10:45 AM - 11:45 AM	Stresses, Strength, and Failure of Adhesive Joints <i>David Dillard, Virginia Tech</i>
11:45 AM - 1:00 PM	LUNCH
1:00 PM - 2:00 PM	Types and Classes of Adhesives and their Chemistry <i>Keren Zhang, Facebook</i>
2:00 PM - 3:00 PM	Pressure Sensitive Adhesives <i>David Yarusso, Yarusso Consulting</i>
3:00 PM - 3:15 PM	BREAK
3:15 PM - 4:15 PM	Structural Adhesives <i>Ngon Tran, Momentive</i>

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PROGRAM SCHEDULE

Saturday, February 18

8:00 AM - 8:30 AM	CONTINENTAL BREAKFAST
8:30 AM - 9:30 AM	Surface Treatment for Adhesion <i>Giles Dillingham, BTG Labs LLC</i>
9:30 AM - 10:30 AM	Fracture Mechanics Applications to Adhesive Bonds <i>David Dillard, Virginia Tech</i>
10:30 AM - 10:45 AM	BREAK
10:45 AM - 11:45 AM	Contact Mechanics and Probe-Based Characterization of Adhesives <i>Kevin Turner, University of Pennsylvania</i>
11:45 AM - 1:00 PM	LUNCH
1:00 PM - 2:00 PM	An Overview of Toughening Strategies for Structural Adhesives <i>Raymond Pearson, Lehigh University</i>
2:00 PM - 3:00 PM	Sustainable Adhesive Materials <i>Grace Wan, Dow Chemical Company</i>
3:00 PM - 3:15 PM	BREAK
3:15 PM - 4:15 PM	Overview of Adhesion Testing <i>Michelle Seitz, AAAS Science and Technology Policy Fellow</i>