



Adhesion Science Short Course

A hands-on, lecture/laboratory short course for those who produce or utilize adhesives and sealants

May 18-22, 2020

Explore, Understand, Apply

- Brief Survey of Relevant Polymer/Adhesion
- Terminology and Concepts
- Adhesives, Sealant and Waterborne Rheology
- Adsorption on Surfaces/Surface Energy
- Stresses in Bonded Joints
- Basic Viscoelastic Experiments on Elastomers,
- Glasses and Semicrystalline Polymers
- Surfaces and Surface Preparation
- Fracture of Adhesive Bonds
- Adhesive Test Methods
- Analysis of Surfaces
- Introduction to Adhesive Chemistry
- Free Volume and DSC
- New Directions in Adhesive Design
- PSA Performance and Testing
- Accelerated Characterization
- Wood Adhesion
- Applications of Surface Science to Adhesion
- Durability and Design

Learn from the top professors in the adhesion science industry

Michael Bortner

Assistant Prof. of Chemical Engineering

Richey M. Davis

Prof. of Chemical Engineering

David A. Dillard

Adhesive and Sealant Science Professor of Biomedical Engineering and Mechanics

Alan R. Esker

Prof. of Chemistry

Charles E. Frazier

Thomas M. Brooks Professor of Sustainable Biomaterials

Michael Schulz

Assistant Prof. of Chemistry

Registration Fee: \$2,000

Location: The Inn at VT, Blacksburg, Va.

To register or to find more info on the course schedule, topics, housing, site, MII, and more, visit:

www.mii.vt.edu

Questions?

Contact MII at mii@vt.edu or 540-231-3704.



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