BACKGROUND

Adhesives are formulated to perform in very diverse market applications with highly specified performance characteristics. Whether one is developing an aerospace formulation or removable tape adhesive, the selection of polymer has the greatest influence on properties. The formulated “package” incorporates additives to build on the polymer properties to optimize performance targets within the considerations of bonding conditions and application constraints. The ability to efficiently develop, screen, tune and troubleshoot formulated products starts with an understanding of the role that each component plays in the formulation, and is enhanced through experience, and best practices.

COURSE DESCRIPTION

This 2-day technical short course will review common additives used in formulating adhesives, provide perspective on polymer structure/property relationships and how to build formulations for desired processing and performance characteristics within market applications and across technology types.

Our diverse experts presenting at the short course have years of experience in condensing formulating art to knowledge, and will share starting formulations, benefits and limitations, fine tuning approaches for developing robust products with stable, targeted performance.

TENTATIVE AGENDA

- Overview of adhesives technologies and markets
- Polymer structure/property review
- Additive benefits, limitations and level of addition for rheology modifiers, plasticizers, tackifiers, surfactants and defoamers, adhesion promoters and antioxidants
- Characterization and performance considerations within hot melts, waterborne, pressure sensitive and reactive technologies with respect to market applications

Who Should Attend?

This course is designed to deliver in-depth, detailed and practical information on how to formulate with additives to maximize application and performance formulating with additives to across market platforms and is ideal for:

- **Chemists, technical service, and engineers** to learn the details of optimizing resin properties through additive selection (formulators, R&D positions)
- **End users** looking to understand behavior of formulated products (engineers, product managers, new business development)
- **Product/market managers and business development professionals** looking for technical depth in the formulation strategies used in product development

Hotel:

**Omni Hotel & Resort William Penn**
530 William Penn Place
Pittsburgh, PA 15219
Phone: (412) 281-7100

ASC Discount Group Rate:
- $155 single/double
- $185 premier room (larger)
- $285 executive suite

**Deadline:** Sept. 18, 2020

Cost:

- $675 ASC Member
- $875 Nonmember
- $575 TAC Graduate
- $275 Student

CALL FOR SPEAKERS

If you would like to present at the Short Course, or you have general questions, contact Martha Mittelstaedt at Martha.Mittelstaedt@ascouncil.org

REGISTER AT:

[www.ascouncil.org](http://www.ascouncil.org) under the “events” tab on the home page