

MONDAY, OCTOBER 19

Tutorials *(Tutorials require additional fees)*

9:00 AM – 12:00 PM

- Tooling for Composite Materials
- Composites Damage Tolerance: Materials & Structures
- Composite Materials Overview
- Design & Analysis of Composite Materials & Structures

2:00 PM – 5:00 PM

- Testing of Composite Materials
- Composites Repair Technology & Issues
- Thermoset Resins Technology
- Composites Fabrication & Manufacturing Overview

TUESDAY, OCTOBER 20

8:00 AM – Keynote

- Global Materials Technology

9:00 AM – Panels

- Benchmarking of Composite Technology for Aircraft Structures Europe vs. USA
- Damage Resistance of Composite Sandwich Structures (Joint SAMPE and ASTM D-30 Program)

9:00 AM - 12:00 PM – Sessions

- Resin & Plastics Technology - Non-Epoxy Systems
- Advances in Manufacturing & Out of Autoclave I*
- Sensors in Aerospace Systems

10:40 AM – Coffee Break sponsored by EVONIK

11:00 AM - 12:00 PM – Session

- Design & Analysis of Composite Structures I
- Epoxy Resin Technology I

11:00 AM – Featured Lecture/Session

- The Role of Education in Composites Engineering

1:15 PM - 5:00 PM – Panel

- Energy Issues in Aviation

1:15 PM - 3:15 PM Session

- Advances in Manufacturing & Out of Autoclave II*

1:15 PM - 5:00 PM – Sessions

- Epoxy Resin Technology II
- Design & Analysis of Composite Structures II
- 3-D Nanostructured Advanced Composites
- Damage Tolerance & Fracture Mechanics

2:55 PM – Coffee Break sponsored by EVONIK

3:15 PM - 5:00 PM – Sessions

- Automated Tape Placement/Automated Fiber Placement
- Tooling Advancements
- Ballistic Composites

5:00 PM – Welcome Reception

WEDNESDAY, OCTOBER 21

8:00 AM – Keynote

- Materials, Processing and Manufacturing Technology: A Rich History and Promising Future

9:00 AM - 12:00 PM – Panel

- Commercializing Composites: The Outlook for High-Volume, Sustainable Material Applications

9:00 AM - 12:00 PM – Sessions

- Testing & Qualification of Materials
- Technologies to Assist Composite Manufacturers I
- Nanocomposites & Multifunctional Materials
- Composite Foams

9:00 AM - 10:40 AM – Session

- Testing & Qualification of Materials

10:40 AM – Coffee Break sponsored by EVONIK

11:00 AM – Featured Lecture

- Metal Composite Hybrid Materials & Products

11:00 AM - 12:00 PM – Session

- Bio-, Natural & Innovative Materials I

1:15 PM - 2:55 PM – Panel

- Design & Analysis Tool Demonstration

1:15 PM - 2:55 PM – Sessions

- Technologies to Assist Composite Manufacturers II
- Infusion Technology – Applications*

1:15 PM - 5:00 PM – Session

- Bio-, Natural & Innovative Materials II
- Nanofiber Technology, Uses
- Core & Sandwich Materials

2:55 PM – Coffee Break sponsored by EVONIK

3:15 PM - 5:00 PM – Panel

- Technologies to Assist Composite Manufacturers

3:15 PM - 5:00 PM – Sessions

- Building Blocks to Advanced Materials Applications
- Infusion Technology - Resins/Preforms

6:00 PM – Special Event

THURSDAY, OCTOBER 22

8:15 AM – Featured Lecture

- Acoustic Emission (AE) Offers New Horizons for Composites

8:15 AM - 5:00 PM – AFOSR Workshop

- Multiscale Modeling for Polymer Matrix Composites

9:00 AM - 10:40 PM – Session

- Manufacturing with Nano-modified Composites*
- Lightning Strike Protection*

9:00 AM - 12:00 PM – Sessions

- EMI Shielding, Conductive Materials*
- Nano-Enhanced Resins for Aerospace Applications I
- High Temperature Resins & Composites I*

10:40 AM – Brief Session Break

11:00 AM - 12:00 PM - Session

- Filament Winding & Pultrusion I
- Infusion Technology - Processing Effects

12:15 PM – SAMPE Awards Luncheon

2:00 PM - 5:00 PM – Tours *(Additional fee required)*

- National Institute of Aviation Research, Wichita State University
- Spirit AeroSystems

1:45 PM - 3:35 PM – Sessions

- POSS Resin Systems
- Nano-Enhanced Resins for Aerospace Applications II*
- High Temperature Resins & Composites II

1:45 PM - 5:00 PM – Session

- Filament Winding & Pultrusion II

3:25 PM – Brief Session Break

3:45 PM - 5:00 PM – Sessions

- Automation & Optimization of Autoclave Cure
- POSS Resin Systems Round Table
- Nondestructive Evaluation & Inspection*

*Sessions include ITAR restricted presentations. 

