



HIGH PERFORMANCE COUNCIL

The mission of the High Performance Council (HPC) is to promote the design, development, manufacturing, and use of composites in demanding applications across industries such as defense, aerospace, automotive, advanced air mobility, wind and other alternative energy, cryogenic, compressed gasses, sporting goods, and medical where high performance composites often outperform traditional materials in a multitude of criteria.

Activities and Achievements:

- **Supported** the technical program and event of ACMA's Thermoplastic Composites Conference in March 2022.
- **Created** the technical program development and executed the Spirit AeroSystems, VW, Northrop Grumman, GM and a new Composites Technology Day event for the Advanced Air Mobility market.
- **Delivered** webinars on critical high performance composites technologies to educate the composites industry on advancements in the industry.
- **Hosted** OEM tours with Airbus in Europe, and SpaceX and Northrop Grumman at their manufacturing sites in the U.S. Conducted discussions on needs and priorities.
- **Presented** a composites panel to 127 OEM Representatives May 2018, in Santa Clara at the Internet of Things conference.

Current and Future Projects:

- **Education:** Planning and executing several Composites Technology Days, including partnering with ACMA's Automotive Composites Alliance for a Tech Day with Hyundai-Kia and a potential Tech Day with Lockheed Martin. Educate OEMs, government officials, and end-users regarding the various materials and process opportunities composites have to offer.
- **Marketing:** Identify opportunities for members to participate connect directly with leading OEMs globally to identify emerging business opportunities.
- **Standards:** Explore opportunities in the development of ASTM and SAE standards for characterization of advanced composite materials.
- **Outreach:** Partner with other organizations and conference to promote the use and innovation of high performance composite materials and manufacturing. Explore new opportunities with OEMs in multiple markets.

For more information or to join this committee, contact the Composites Growth Initiative at cgi@acmanet.org.



MEMBERSHIP

Manufacturers:

- ✓ Aquatic Leisure Technologies Inc.
- ✓ Ashley Industrial Molding Inc.
- ✓ ATC Manufacturing
- ✓ Avient
- ✓ Gordon Development, LLC
- ✓ Hendrickson Composites Dayton
- ✓ High Strain Dynamics
- ✓ LyondellBasell
- ✓ McClarin Composites
- ✓ Norplex-Micarta
- ✓ PRC Composites LLC
- ✓ Qarbon Aerospace
- ✓ Re:Build Manufacturing
- ✓ Sika Corporation
- ✓ Spirit AeroSystems, Inc.
- ✓ Teijin Automotive Technologies

Affiliates:

- ✓ Cegep Saint-Jerome
- ✓ Clemson Composites Center
- ✓ Kansas State University
- ✓ Kansas Polymer Research Center
- ✓ Sustainable Composites
- ✓ University of Delaware - CCM
- ✓ University Of Massachusetts Lowell
- ✓ Utah Advanced Materials and Manufacturing Initiative

Suppliers and Distributors:

- ✓ Axel Plastics Research Laboratories, Inc.
- ✓ BGF Industries, Inc.
- ✓ Composites One, LLC
- ✓ Covestro LLC
- ✓ Fives Machining Systems, Inc.
- ✓ Hexcel Corporation
- ✓ IDI Composites International
- ✓ INEOS Composites
- ✓ IPCO US, LLC
- ✓ Johns Manville
- ✓ Kaneka Aerospace LLC
- ✓ KraussMaffei Corporation
- ✓ Luna Innovations, Inc.
- ✓ Lyten Inc.
- ✓ Magnum Venus Products
- ✓ Nippon Electric Glass Co. Ltd.
- ✓ Olin Epoxy
- ✓ Owens Corning
- ✓ Plyable
- ✓ Polynt Reichhold
- ✓ Scott Bader
- ✓ Sika Industry – Tooling, Resins and Marine
- ✓ Teijin Carbon America, Inc.
- ✓ Toray Composite Materials America, Inc.
- ✓ Trillion Quality Systems
- ✓ Vectorply Corporation
- ✓ Zoltek Corporation