

**October 16–23—K 2019** Düsseldorf Exhibition Center, Düsseldorf, Germany. Over 3,000 exhibitors from 60 nations will be on-hand at this trade fair for plastics and rubber. Four topics have been chosen for K 2019 by the academics and experts from the K 2019 Innovation Group: Plastics for Sustainable Development & Circular Economy, Digitization and the Plastics Industry 4.0, System Integration: Functionality through Material, Process and Design, and Young Talents in the Industry. K 2019 is the performance barometer for the entire industry and its global marketplace for innovations. For eight days, the “Who’s Who” of the entire plastics and rubber world will meet here to demonstrate the industry’s capabilities, discuss current trends and set the course for the future. For more information, visit [www.k-online.com](http://www.k-online.com).

**October 22–24—SouthTec 2019** TD Convention Center, Greenville, S.C. South-Tec draws manufacturing suppliers, distributors and equipment builders from across North America and around the world—bringing them together in Greenville, South Carolina. With hundreds of exhibiting companies, attendees can find all the latest technologies and services—plus the experts who build them—ready to demonstrate solutions that can help them grow their business. Visitors can make side-by-side comparisons, discover integrated equipment, hear about industry trends and forecasts, and leverage their purchasing power. For more information, visit [www.southteconline.com](http://www.southteconline.com).

**October 30–31—Advanced Engineering 2019** Birmingham, United Kingdom. Advanced Engineering continues to build even further upon its position as the UK’s largest annual gathering of OEMs and engineering supply chain professionals. Advanced Engineering provides a platform for knowledge transfer and business discussions across: R & D, design, test, measurement & inspection, raw materials & processing, manufacturing, production and automation. The 2019 edition features co-located shows such as Aero Engineering, Composites Engineering, Automotive Engineering, Performance Metals, Connected Manufacturing and Medical Device Engineering. Lab Innovations is the UK’s only show dedicated to the entire laboratory industry. 150+ exhibitors will showcase laboratory equipment, laboratory technology, analytical equipment, life science supplies and much more to thousands of laboratory managers, laboratory technicians and procurement managers. For more information, visit <https://www.easyfairs.com/advanced-engineering-2019/advanced-engineering-2019/>.

**November 6–8—AGMA Gear Failure Analysis (Fall)** St. Louis, Missouri. Explore gear failure analysis in this hands-on seminar where students not only see slides of failed gears but can hold and examine those same field samples close up. Experience the use of a microscope and take your own contact pattern from field samples. Gear engineers, users, researchers, maintenance technicians, lubricant experts, and managers should consider attending. Instructors include Rod Budny (RBB Engineering) and Andy Milburn (Milburn Engineering, Inc.). For more information, visit [www.agma.org](http://www.agma.org).

**November 19–21—Power-Gen International 2019** New Orleans, Louisiana. Power-Gen International provides comprehensive coverage of the trends, technologies and issues facing the generation sector. Displaying a wide variety of products and services, Power-Gen International represents a horizontal look at the industry with key emphasis on new solutions and innovations for the future. Topics include plant

performance, cyber security, energy storage, flexible generation and more. Learn more at [www.power-gen.com](http://www.power-gen.com).

**November 19–22—Formnext 2019** Frankfurt, Germany. Formnext is more than an exhibition and conference. It’s an entire platform for companies from the world of additive manufacturing. Here, a veritable who’s-who from the realms of design and product development, industrial tooling, production solutions, quality management, and measurement technology comes together with leading providers in basic materials and component construction. It will also explore clever ways in which AM can be integrated into process chains in industrial production. In addition, top international speakers and other experts will be on hand to engage conference attendees in in-depth discussions at the highest technical level. For more information, visit <https://formnext.mesago.com/events/en.html>.

**December 3–5—AGMA Epicyclic Gear Systems: Application, Design and Analysis** Seattle, Washington. Learn and define the concept of epicyclic gearing including some basic history and the differences among simple planetary gear systems, compound planetary gear systems and star drive gear systems. Cover concepts on the arrangement of the individual components including the carrier, sun, planet, ring and star gears and the rigid requirements for the system to perform properly. Critical factors such as load sharing among the planet or star gears, sequential loading, equal planet/star spacing, relations among the numbers of teeth on each element, calculation of the maximum and optimum number of planet/star gears for a specific system will be covered. This session provides an in-depth discussion of the methodology by which noise and vibration may be optimized for such systems and load sharing guidelines for planet load sharing. The instructor is Raymond Drago and Steve Cymbala. For more information, visit [www.agma.org](http://www.agma.org).

**December 9–12—CTI Symposium Germany 2019** Berlin, Germany. CTI Symposium Germany provides the latest automotive transmission and drive engineering for passenger cars and commercial vehicles. The international industry event delivers the appropriate platform to find new partners for purchase and sales of whole systems and components. Automobile manufacturers, transmission and component companies give an overview and outlook on technical and market trends including digital manufacturing, IoT, zero-emissions, electric vehicles, hybrid transmissions and more. Speakers include representatives from Porsche, Volkswagen, StreetScooter, Continental, BorgWarner, Magna Powertrain and more. For more information, visit <https://drivetrain-symposium.world/>.

**January 6–10—SciTech 2020** Orlando, Florida. From its creation in 1963, the American Institute of Aeronautics and Astronautics (AIAA) has organized conferences to serve the aerospace profession as part of its core mission. Spanning over 70 technical discipline areas, AIAA’s conferences provide scientists, engineers, and technologists the opportunity to present and disseminate their work in structured technical paper and poster sessions, learn about new technologies and advances from other presenters, further their professional development, and expand their professional networks that furthers their work. Five focus areas include science and technology, aviation, space, propulsion and energy/defense. For more information, visit <https://scitech.aiaa.org/>.