

**October 31–November 3–PTC Asia 2017** Shanghai New International Expo Center. PTC Asia is a leading trade fair for power transmission and control and fluid technology as well as bearings, motors, linear and sealing technologies. The slogan for the 2017 show is “Driven to be Smart,” with forums and discussions on Industry 4.0, predictive maintenance, automotive, marine and additional engineering topics. It is co-located with six other industrial shows including CeMAT Asia, ComVac Asia, Apex Asia, Heavy Machinery Asia, Cold Chain Asia and Industrial Supply Asia. The shows are organized by Hannover Milano Fairs Shanghai Ltd., a subsidiary of Deutsche Messe. For more information, visit [www.ptc-asia.com](http://www.ptc-asia.com).

**November 3–9–IMECE 2017** Tampa Convention Center, Tampa, Florida. ASME’s International Mechanical Engineering Congress and Exposition is the largest interdisciplinary mechanical engineering conference in the world. IMECE plays a significant role in stimulating innovation from basic discovery to translational application. It fosters new collaborations that engage stakeholders and partners not only from academia, but also from national laboratories, industry, research settings, and funding bodies. The event features 20+ tracks, 240+ mechanical engineering topics, daily plenary sessions, industrial presentations, an Honors Assembly program and more. For additional information, visit [www.asmeconferences.org](http://www.asmeconferences.org).

**November 14–16–AGMA 2017 Detailed Gear Design (Beyond Simple Service Factors)** Dallas, Texas. Learn how to improve gear designs and gain new insight into concepts presented through illustrations and demonstrations. Explore all factors that go into good gear design from life cycle, load, torque, tooth optimization, and evaluating consequences. Pre-requisite: Students should have a good understanding of basic gear theory and nomenclature: Online Workforce Education: Fundamentals of Gearing or Fundamentals of Gear Design and Analysis. Gear engineers, gear designers, application engineers, people who are responsible for interpreting gear designs, technicians and managers that want to better understand all aspects of gear design should attend. Raymond Drago is the course instructor. For more information, visit [www.agma.org](http://www.agma.org).

**November 15–16–Rockwell Automation Fair 2017** Houston, Texas. Hands-on labs, technical sessions and forums highlight the 2017 event. See the latest automation technology and solutions in action at over 150 exhibits and 110 forums. Subjects include automotive, chemicals, food and beverages, life sciences, mining, energy, and more. The 2017 event will showcase nine forums. Each forum will feature representatives and experts from a variety of companies. They will present their experiences and applications of the latest automation technologies used to increase their productivity and improve the efficiency of their business. For more information, visit [www.rockwellautomation.com](http://www.rockwellautomation.com).

**December 4–7–CTI Symposium 2017 Germany** The International CTI Symposium in Berlin, Germany and its flanking specialist exhibition is the international industry event in Europe for people seeking the latest information on developments in automotive transmissions and drives for passenger cars and commercial vehicles. Here, you can meet experts for Europe, America and Asia, as well as see extensive OEM reports and delegates from 28 countries. Over 33 percent of participants come from non-German speaking countries, making the CTI Symposium one of the most international industry meetings in Europe. In 2016, it was attended by over 2,500 participants and 230 exhibitors. For more information, visit [www.transmission-symposium.com/en/](http://www.transmission-symposium.com/en/).

**December 5–7–Power-Gen International 2017** Las Vegas Convention Center, Las Vegas Nevada. Power-Gen International provides comprehensive coverage of the trends, technologies and issues facing the generation sector. More than 1,400 companies from all sectors of the industry exhibit each year to benefit from the exposure to more than 20,000 attendees. 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. In 2017, Power-Gen is going back to its roots and will cover ALL forms of power generation broken up into 14 tracks. Nearly 300 industry experts from all over the world will present new solutions and innovations for the future. Full conference attendees will also earn 10 PDH credit hours. Conference sessions include energy storage, digital power plant, material handling, business trends, nuclear power and more. For more information, visit [www.power-gen.com](http://www.power-gen.com).

**December 6–8–AGMA 2017 Gear Failure Analysis** San Francisco, CA. Learn the skills necessary to diagnose gear failures and prescribe remedies. Study six classes of gear tooth failure: overload, bending fatigue hertzian fatigue, wear, scuffing, and cracking. Examine each failure mode as illustrated by color slides and field samples because of the magnification inherent in slide projection. Engage in group activity and discussion in a hands-on practical exercise using field samples and a case study. Recommended preparation for Gear Failure Analysis is the archived AGMA webinar, *Metallurgy of Gear Materials*, presented by Dr. Phil Terry. This webinar is excellent especially for those with no training in metallurgy. The webinar is available by download free for members and \$159 for non-members. Gear engineers, users, researchers, maintenance technicians, lubricant experts, and managers should attend. For more information, visit [www.agma.org](http://www.agma.org).