

October 12–14 – Rocky Mountain Gear Finishing School Boulder, Colorado. Rocky Mountain Gear Finishing School covers advancements in profile and generating grinding technology in a classroom setting but also through hands-on demonstrations. Participants learn about the principles and mechanics of different gear finishing processes through classroom presentations, and then see them demonstrated on a Kapp or Niles grinding machine. Additional workshops provide further opportunities to explore, and network with others in the field. Machine demonstrations reinforce the theoretical training and help people retain more of the information taught in the classroom. Workshops offer even further opportunity for review, as well as a platform to explore your own applications with Kapp experts, as well as others in the group. Included, is an in-depth review of non-dressable CBN solutions coupled with a tour through the CBN tool production plant at Kapp Technologies. A presentation on diamond dressing tools complements the tool technology. For more information, visit www.kapp-usa.com.

October 19–20 – AGMA Fall Marketing & Forecasting Conference 2016 Rosemont, Illinois. So many important factors to watch in the gear industry including rising inventory levels, emerging markets in the late stage of the credit cycle, large impact of trade agreements and the looming election. What will directly impact the gear industry in the next 12 months? Speakers Tom Runiewicz (Global Insight) and John Maketa (KGC Direct) will discuss projections and challenges now and in the future. For more information, visit www.agma.org.

October 23–27 – Materials, Science and Technology 2016 Salt Lake City, Utah. MS&T16 is the most comprehensive forum for materials science and engineering technologies. Attendees learn from materials specialists, explore diverse materials applications and experience the synergy of this materials community. MS&T crosses the boundaries of most materials events by bringing together a broad range of technical sessions and expertise through the strengths of six major materials organizations: The American Ceramic Society (ACerS), Association for Iron & Steel Technology (AIST), ASM International, Metallurgy and Materials Society of CIM (MetSoc), NACE International, and The Minerals, Metals & Materials Society (TMS). Topics include additive manufacturing, ceramic composites, failure analysis, light metal technology, next generation biomaterials, surface protection, high performance metals and more. For additional information, visit www.matscitech.org.

November 2–3 – Advanced Engineering 2016 Birmingham, England. Bringing together OEMs and Tier 1 manufacturers to meet and do business with all levels of the engineering supply chain, Advanced Engineering addresses the supply chain needs of the aerospace, automotive, motor-sport, transportation, civil engineering industries and more. In addition to its show floor containing 700+ exhibiting suppliers, partners and industry bodies, Advanced Engineering hosts an open conference providing expert industry intel, latest technology and innovations case studies and supply chain opportunities delivered by OEM program managers and industry experts. Co-located events include Aero Engineering, Composites Engineering, Automotive Engineering and Performance Metals Engineering. For more information, visit www.easyfairs.com.

November 15–17 – Detailed Gear Design-Beyond Simple Service Factors Las Vegas, Nevada. This course explores all factors that go into good gear design from life cycle, load, torque, tooth optimization, and evaluating consequences. Students should have a good understanding of basic gear theory and nomenclature. Interact with a group of your peers and with a talented and well-respected instructor who will push your thinking beyond its normal boundaries. 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.

November 16–18 – Fabtech 2016 Las Vegas, Nevada. More than 28,000 attendees and over 1,300 exhibiting companies are expected to gather once again to celebrate metal manufacturing. The event also provides educational sessions and expert-led presentations covering the latest trends and technology in the metal forming, fabricating, welding and finishing industries. The show features 100+ technical, operational, economic and managerial sessions allowing attendees to exchange best practices and explore new product advancements. A variety of technology pavilions feature technologies like arc welding, cutting, hydroforming, lasers, lubrication, robotics, roll forming, safety, tooling, waterjet and more. Fabtech 2016 is co-sponsored by the Fabricators & Manufacturers Association International, SME, Precision Metalforming Association, Chemical Coaters Association International and the American Welding Society. For more information, visit www.fabtechexpo.com.

November 29–December 1 – Composites Europe 2016 Dusseldorf, Germany. Experience the entire process chain of the composites industry and gain a complete overview of the market and the major exhibitors—in just three days. As the international industry meeting point in Europe's biggest composites market, Composites Europe combines tried and tested solutions and efficient innovations. The trade fair reflects the variety of goods and services and the innovative strength of the entire industry. Major topics at the fair are state-of-the-art production and processing technologies focusing on concepts for lightweight construction and automotive applications. Industries involved include automotive, aerospace, energy, marine, electronics, medical, wastewater, agriculture and general engineering. For more information, visit www.composites-europe.com.

December 5–8 – CTI Symposium Berlin 2016. Berlin, Germany. More than ever, the development of transmissions and drivetrains is being shaped by the trends of electrification, connectivity and automation. The focus rests on significantly increasing driving efficiency and comfort while reducing emissions, and on providing a brand-appropriate driving experience – as well as on 'ongoing demands' in terms of costs, package, weight and modularity. The planned introduction of regulations to measure Real Driving Emissions (RDE) in 2017 will heighten the technical challenges these criteria involve. The only way to meet the ambitious targets is by intelligent, effective transmission and powertrain integration. These and other topics will be front and center during the CTI Symposium Berlin 2016. For more information, visit www.transmission-symposium.com.