

August 4–7 – ASME 2013 Power Transmission and Gearing Conference. Portland, Oregon. The Power Transmission and Gearing (PTG) Committee of the American Society of Mechanical Engineers, Design Engineering Division invites guests to participate in the ASME 2013 Power Transmission and Gearing Conference. This conference will be held in conjunction with the ASME International Design Engineering Technical Conferences and Computers and Information in Engineering Conferences (IDETC/CIE 2013). Power transmission and gearing researchers and engineers from around the world attend this conference. This is an ideal forum for enhancing power transmission and gearing engineering, providing attendees an opportunity to become familiar with the latest research findings and applications that address critical engineering issues. Topics include gear geometry, gear analysis, gear dynamics, gearbox design, lubrication and wear, transmission systems, bevel gears, power transmission topics and more. For more information, visit www.asmeconferences.org.

August 8–10 – International Gear Transmission and Equipment Expo 2013. China International Exhibition Center, Beijing, China. With an emphasis on high-end manufacturing in China, the Expo is a great starting point for business meetings and technical exchange. Forum topics for the 2013 show include: new materials and techniques, high accuracy machine tools, heat treatment technology, shot-blasting technology, trends in gear cutting, gear measuring developments, automotive transmission technology, fatigue resistance and a technology roadmap for the gear industry between 2013 and 2030. The reoccurring themes for the 2013 show include the reallocation of upstream and downstream resources, tackling core technology and industrial upgrading. 680 exhibitors and more than 50,000 visitors will take part in the 9th GTE Expo. For more information, visit www.chinagte.com.

August 19–21 – Gear Failure Analysis Seminar. Big Sky Resort, Summit Lodge, Big Sky, Montana. In AGMA's Gear Failure Analysis Seminar, attendees will examine the various types of gear failure, such as macropitting, micropitting, scuffing, tooth wear and breakage. Possible causes of these failures will be presented, along with some suggested ways to avoid them. Robert Errichello will use a variety of tools and methods — lectures, slide presentations, hands-on workshops with failed gears and Q&A sessions — to give you a comprehensive understanding of the reasons for gear failure. Participants are encouraged to bring their own failed gears or photographs and discuss them during the Q&A sessions. The seminar brings together a vast amount of knowledge not available elsewhere. It will help you solve everyday problems whether you are a gear engineer, user, researcher, maintenance technician, lubricant expert, or manager. The course manual can be used as a permanent reference and guide for failure analysis. For more information, visit www.agma.org.

September 16–21 – EMO Hannover 2013. Hannover, Germany. Under the motto “Intelligence in Production,” EMO will be showing what modern-day production technology looks like and who is offering it. “Everyone wants to be there. That’s why once again the EMO Hannover is well set to continue its success story,” says Carl Martin Welcker, general commissioner of EMO Hannover 2013. At the beginning of the year, more than 1,600 companies from 34 different countries had already registered: they will be occupying around 145,000 m² of net exhibition space. Thus the current registration status is significantly higher than the comparable figure for the preced-

ing event. The flourishing demand among vendors of production technology evidences the high perceived importance of EMO Hannover as one of the sector’s international highlights and as a superlative platform for innovations. “Meet the world at EMO” is one of the most important arguments for participating. It’s not only German manufacturers who have registered for large-size stands. Asian companies are particularly prominent in showing the flag, firms from Japan, China, Taiwan and Korea who are keen to play a bigger role on the global market. They have once again upsized their areas compared to the preceding event’s equivalent period, a trend that’s been observable for some years now. In all, Asia currently accounts for a good fifth of the EMO’s exhibitors. For more information, visit www.emo-hannover.de.

September 17–19 – Gear Expo 2013. Indiana Convention Center, Indianapolis, Indiana. Gear Expo is a biennial event designed exclusively for the gear industry. For three days, gear buyers and manufacturers network and build relationships that benefit their respective companies. Attendees see firsthand the latest technology on the market and discuss trends in the industry with experts. Exhibitors have the opportunity to meet face-to-face with attendees and other exhibitors and will display more than 750,000 pounds of machinery on the show floor. Thousands of professionals from around the United States, international manufacturing hubs, and emerging markets conduct profitable business transactions and collaborate on the innovations that make their operations more streamlined. The ASM Heat Treating Society Conference and Exposition is co-located with Gear Expo 2013. For more information, visit www.gearexpo.com.

October 15–17 – School for Gear Manufacturing Technology. Anaheim, California. Hosted by Gear Manufacturing Inc. (GMI), this three-day seminar is designed to give the student a deeper understanding of the relationships between the geometry of the gear and the manufacturing and inspection processes leading to a practical, logical approach to trouble shooting. In this regional course we address the problems associated with gear generation (hob and shape) and gear finishing (grind and shave), for cylindrical gears, in respect to the machine tool and the associated tooling and cutters. Analysis of inspection results from traditional manual and digital inspection processes are covered in depth. New for 2013 is an introduction to the new AGMA standards which relate directly to the international ISO standards. For more information, visit www.gearconsultinggroup.com.

October 16–18 – Kapp-Niles Rocky Mountain Gear Finishing School. Boulder, Colorado. The Sixth Annual Kapp-Niles Rocky Mountain Gear Finishing School (RMGFS) is designed to benefit gear manufacturing engineers, machine operators and production managers, as well as gear designers. The opening presentation, Gear Basics, provides a solid foundation, including a section on gear nomenclature for relative newcomers. The RMGFS provides both classroom-style and shop floor lessons, each focusing on advances in profile and generating gear grinding. In the multi-layered program, sessions are interconnected and lead each step to the next. Participants study the principles and mechanics behind different gear finishing processes, apply them through practical sessions on a Kapp-Niles machine, and hold group workshops for discussions. For more information, visit www.kapp-usa.com.