

October 4–6—AGMA Steel for Gear Applications

Alexandria, VA. This course provides detailed information to make use of steel properties in a system solution and understand the potential that different steel options can offer for various applications. Students will explore the how the production of the steel can affect the performance of the material and also the final component and system. The course will be facilitated by Lily Kamjou, a senior specialist in Ovako's Industry Solutions Development department. It is an advanced level course and qualifies for those individuals pursuing the Advanced Gear Engineering Certificate. For more information, visit www.agma.org.

October 24–26—Gear Expo 2017 Karlsruhe Trade Fairgrounds, Germany. Deburring Expo's exhibition portfolio is focused on products, systems, processes and services for deburring and rounding, as well as precision surface finishing for components made of nearly all materials from all industry sectors. The fields of training and technical literature are represented at the event as well. The exhibition includes equipment, systems and tools for abrasive flow machining, belt grinding, ECM, mechanical deburring, thermal energy machining and more. Educational opportunities include a three-day integrated expert forum for examining various deburring theories and practices. For more information, visit www.deburring-expo.de

October 24–26—Gear Expo 2017 Columbus, Ohio. For three days, the full range of drive technology experts—design, manufacturing, application engineering, gear buyers and manufacturers—network and build relationships that benefit their respective companies. For the past six years, AGMA's Gear Expo has been growing and expanding with more suppliers and attendees meeting to build new partnerships and explore the latest technology on the market. Attendees represent a variety of industries including off-highway, industrial applications, automotive, and oil and gas as well as aerospace, agriculture and construction. They come from around the United States, international manufacturing hubs, and emerging markets to conduct profitable business transactions and collaborate on the innovations that make their operations more streamlined. The show is co-located with the ASM Heat Treating Society Conference and Exposition. For more information, visit www.gearexpo.com.

October 24–26—2017 Quality Show Rosemont, Illinois. This event is the only tradeshow focused exclusively on quality manufacturing and will offer engineers and managers responsible for quality in the manufacturing process for automotive, aerospace, consumer products, electronics, medical devices, machinery, appliances and more two high-profile keynotes and an interactive tradeshow floor with dozens of education sessions and networking opportunities. Education will be another key component of The Quality Show, which is offering two high-profile keynotes by Matthew Napoli, VP of in-space operations for Made in Space, and Harry C. Moser, founder and president of Reshoring Initiative. In addition to the keynotes there will be a dozen free 30-minute education sessions in the Learning Theaters located in the exhibit hall by Coordinate Metrology Society (CMSC), DISCUS Software, Mahr, Zeiss Industrial Metrology, BSI and more. For more information, visit www.qualityshow.com.

October 24–26—2017 South-Tec 2017 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. South-Tec is the single best source to discover the next evolution of your industry! For more information, visit www.southteconline.com.

November 13–16—China Chongqing International Machine Tool Show Chongqing International Expo Center, Yubei, Chongqing, China. AMT—The Association for Manufacturing Technology and the China Machine Tool and Tool Builders' Association (CMTBA) have announced the launch of the China Chongqing International Machine Tool Show (CCIMT). CCIMT will showcase the latest in manufacturing technology and bring buyers and sellers together from all over the world to the dynamic market of Chongqing and southwest China. With an expanding manufacturing base of domestic companies plus more than 250 Fortune 500 multinationals, Chongqing has established itself as an innovation center for high technology. Chongqing's economic growth was 11 percent in 2015, the fastest growth among 31 provinces in China. Chongqing is China's largest automotive producer, largest laptop computer manufacturing center and a major motorcycle manufacturing location. More than 600 local companies specialize in making motorcycle and related parts with annual motorcycle engine production exceeding 10 million units, of which about 15 percent are exported to overseas markets. For more information, visit www.amtonline.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.

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.