

September 6–8—AGMA 2017 Bevel Gear System Design

San Diego, CA. Learn how to design and apply bevel gears systems from the initial concept through manufacturing and quality control and on to assembly, installation and maintenance. Engage in a practical hands-on guide to the bevel gear design, manufacture, quality control, assembly, installation rating, lubrication and, most especially, application. Engineers, technicians, and others involved in the selection, application and/or design of bevel gear systems should attend. Ray Drago is the instructor. For more information, visit www.agma.org.

September 13–15—VDI International Conference on Gears 2017

Garching, Germany. Supported by national and international associations, the conference brings together over 600 leading experts from the international gear and transmission industry. The 2017 conference will be a unique meeting point for equipment manufacturers, producers and researchers of gear and transmission systems to present their new solutions, latest research results and technical ideas. There is still room for improvement in the field of gears and transmissions, how gears can contribute to increasing energy efficiency, reducing resource consumption and how new technologies will be incorporated in the powertrain. For more information, visit www.vdi-wissensforum.de/en/event/international-conference-on-gears/.

September 18–21—Gear Dynamics and Gear Noise Course

Ohio State University, Columbus, Ohio. The purpose of this unique short course is to provide a better understanding of the mechanisms of gear noise generation, methods by which gear noise is measured and predicted and techniques employed in gear noise and vibration reduction. Over the past 38 years more than 2000 engineers and technicians from over 370 companies have attended the Gear Noise Short Course. The course is of particular interest to engineers and technicians involved in the analysis, manufacture, design specification or utilization of simple and complex gear systems. Industries that find this course helpful include the automotive, transportation, wind-energy, process machinery, aircraft, appliance, general manufacturing and all gear manufacturers. The course material is covered in such a way that the fundamentals of gearing, gear dynamics, noise analysis and measurements are covered first. This makes the course appropriate to the gear designer with minimal knowledge of noise and vibration analysis as well as to the noise specialist with little knowledge of gears. For more information, visit www.nvhgear.org.

September 18–22—AGMA Basic Training for Gear Manufacturers

Hilton Oak Lawn, Illinois. Learn the fundamentals of gear manufacturing in this hands-on course. Gain an understanding of gearing and nomenclature, principles of inspection, gear manufacturing methods, and hobbing and shaping. Utilizing manual machines, develop a deeper breadth of perspective and understanding of the process and physics of making a gear as well as the ability to apply this knowledge in working with CNC equipment commonly in use. This course is taught at Daley College. A shuttle bus is available each day to transport students to and from the hotel. Although the Basic Course is designed primarily for newer employees with at least six months' experience in setup or machine operation, it has proved beneficial to quality control managers, sales representatives, management, and executives. Course instructors are Dwight Smith, Allen Bird and Peter Grossi. For more information, visit www.agma.org.

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

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—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. For more information, visit www.southteconline.com.