

**March 2–5—The MFG Meeting 2016** Palm Desert, California. The MFG Meeting 2016 brings together a broad spectrum of manufacturing business owners and top industry executives for a four-day forum on how manufacturers can work together to restore manufacturing to its rightful place as an engine that drives the U.S. economy. Jointly produced by the Association for Manufacturing Technology (AMT) and the National Tooling and Manufacturing Association (NTMA), this event tackles the issues that affect the entire realm of manufacturing. In 2016, topics will include leadership, economics, cyber security, strategic succession and more. The focus will be on the next generation of manufacturing workers and the teamwork needed for future success. For more information, visit [www.themfgmeeting.com](http://www.themfgmeeting.com).

**March 15–17—Fundamentals of Gear Design** University of Wisconsin-Milwaukee, School of Continuing Education. Develop your understanding of the history, basic gear tooth nomenclature, types of gears, gear arrangements, theory of gear tooth action, and failure modes and prevention. This course was recently updated and expanded to comprehensively cover important topics relating to gear system design consideration. Attendees will build knowledge of modern gear system design and analysis, distinguish between types of gears and gear arrangements and discuss theory of gear tooth action and derive parameters as they're presented. Fee is \$1,095 by Friday January 15th and \$1,195 after January 15th. The class is taught by Raymond Drago, chief engineer for Drive Systems Technology, Inc. For more information, visit <http://uwm.edu/sce/courses/fundamentals-of-gear-design>.

**March 16–18—Introduction to Electric Machines and Drives** Madison, Wisconsin. In the last 30 years, the introduction of power electronic drives with motors has led to new design opportunities. The increased integration of these drives and machines has triggered a leap in productivity, efficiency and system performance. This hands-on course will give attendees a solid introduction in areas like AC systems and three-phase circuits, electromagnetics, basics of AC machines, induction motors, synchronous machines, converter power electronics and more. By participating in this course, attendees can earn 20 professional development hours (PDH) or 2.0 continuing education units (CEU). This event includes instructors from the University of Wisconsin-Madison, Ryan Consulting and UTC Aerospace Systems. It is a valuable course for those involved in appliance drives, cranes and elevators, precision motion control, electric/hybrid-electric vehicles, autonomous vehicle control and aerospace, marine and military vehicles. For more information, visit [epd.wisc.edu/RA01369](http://epd.wisc.edu/RA01369).

**March 22–23—AWEA Wind Project Siting and Environmental Compliance Conference 2016** Charleston, South Carolina. The AWEA Wind Project Siting and Environmental Compliance Conference bring wind industry leaders together for discussions about the current state of siting and environmental compliance and network. Key insights within energy development, operations, evolving trends and strategies for improving the project permitting process and maximizing the output of operating assets will be discussed. The program will be a good mix of state-of-the-art methods

for addressing ongoing challenges within the wind industry. For more information, visit [www.awea.org](http://www.awea.org).

**March 22–24—2016 Gearbox CSI: Forensic Analysis of Gear & Bearing Failures** Concordville, Pennsylvania. Instructors Raymond Drago and Joseph W. Lenski, Jr. help gear designers gain a better understanding of various types of gears and bearings. Attendees will learn about the limitation and capabilities of rolling element bearings and the gears that they support so they can properly apply the best gear-bearing combination to any gearbox, whether simple or complex. Gear design engineers; management involved with the design, maintenance, customer service and sales should attend this event. For more information, visit [www.agma.org](http://www.agma.org).

**March 22–24—Aggregates Academy & Expo 2016** Nashville, Tennessee. AGG1 is the leading aggregate exposition and educational resource brings together decision-makers and buyers from companies that produce crushed stone, sand and gravel in the marketplace. Sponsored by the National Stone, Sand & Gravel Association, AGG1 education tracks include sessions on operations, automation, safety and business management. Workshops include strategic sales training and basic supervisory training. The show is co-located with the World of Asphalt Show & Conference focusing in-depth, industry-focused programming in the asphalt industry. For more information, visit [www.nssga.org](http://www.nssga.org).

**April 4–8—2016 Basic Training for Gear Manufacturing: April** Chicago, Illinois. Instructors Dwight Smith, Pete Grossi and Allen Bird teach students the fundamentals of gear manufacturing in this classroom and hands-on course. This course offers training in gearing and nomenclature, principles of inspection, gear manufacturing methods, and hobbing and shaping. In the hands-on gear lab, using manual machines, students can see the interaction between the cutting tool and the workpiece. They understand the process and the physics of making a gear and can apply this knowledge in working with CNC equipment commonly in use. The Basic Course is designed primarily for newer employees with at least six months experience in setup or machine operation, it has also proved beneficial to quality control managers, sales representatives, management, and executives. For more information, visit [www.agma.org](http://www.agma.org).

**April 5–7—2016 Reliable Plant 2016** Louisville, Kentucky. This three-day event offers attendees learning sessions and case studies on the latest industrial lubrication and oil analysis technologies. The comprehensive conference schedule covers every facet of the machinery lubrication industry and includes workshops on topics such as employee performance, lubrication fundamentals, condition-based maintenance and maintenance planning. The 150,000 square foot exhibit hall, receptions and educational sessions facilitate networking opportunities as well as the implementation of new ideas attendees can bring back to their manufacturing facilities. Reliable Plant is focused on both entry level and management positions within the lubrication industry including engineers, plant managers, maintenance professionals, safety personnel, planners, quality managers and more. For more information, visit <http://conference.reliableplant.com>.