

## February 24-26-2016 Gear Materials: Selection, Metallurgy, Heat Treatment and Quality Control

Clearwater Beach, Florida. Instructors Raymond Drago and Roy Cunningham will describe the advantages and disadvantages of gear materials, explain heat treatment processes, define best practices and more. The design of an optimum gear set requires the coordinated effort of the gear design engineer, the gear metallurgist, and the bearing system engineer. The instructors of this course are a gear design engineer and a metallurgist who have worked collaboratively on projects for more than 40 years. Learn the roles of each of these professionals and how collaborative efforts can provide better outcomes. Additional information on gear-related problems, failures, and improved processing procedures will be reviewed. Gear design engineers, management, metallurgists and materials engineers; laboratory technicians; quality assurance technicians; furnace design engineers; and equipment suppliers would benefit from this course. For more information, visit [www.agma.org](http://www.agma.org).

**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 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>.

## April 11-15-MACH 2016

Birmingham, UK. MACH 2016 offers the latest manufacturing advances, developments and innovations under one roof. This unique trade show includes live working machinery and brings together the industry's finest manufacturers over a range of technologies including milling, turning, metrology, additive manufacturing and tooling. Organized by the Manufacturing Technologies Association, the event is a great barometer for the prospects of manufacturing in the United Kingdom. MACH 2016 will attract more than 23,000 visitors and 6,000+ exhibitors showcasing the latest engineering-based manufacturing technologies. For more information, visit [www.machexhibition.com](http://www.machexhibition.com).