

April 19–21—2017 AGMA Fundamentals of Gear Design and Analysis

Indianapolis, Indiana. This course provides a fundamental understanding of gear geometry, types of arrangements, design principles, the basic gear system design process, and gear measurement and inspection techniques. It is designed for powertrain engineers, engineering directors and managers, component suppliers, vehicle platform powertrain development specialists, and those involved in the design and application of geared systems and assemblies. The course will be facilitated by William "Mark" McVea, Ph.D., PE. Dr. McVea is president and principal engineer of KBE+, Inc. where he and his team design and develop complete powertrains for automotive and off-highway vehicles. For more information, visit www.agma.org.

April 24–28—Hannover Messe 2017

Hannover, Germany. "Integrated Industry—Creating Value," is the official theme for Hannover Messe 2017. With Industry 4.0, integrated energy, digital twins, predictive maintenance, digital energy, and networked and collaborative robots (cobots), companies of all sizes today have a multitude of high-tech solutions to choose from. But often they find it difficult to predict what value these sorts of solutions might add. Many understandably balk at committing to major capital investments without concrete prospects of measurable benefits. Hannover Messe 2017 will demonstrate how even companies with limited resources can pinpoint and harness the power of digitalization. This year's trade fair lineup includes Industrial Automation, Motion, Drive & Automation, Digital Factory, Energy, ComVac, Industrial Supply and Research and Technology. Poland is the official Partner Country for the 2017 show. For more information, visit www.hannovermesse.com.

April 25–27—Reliable Plant 2017

Columbus, Ohio. 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 conference.reliableplant.com.

April 30–May 3—CIM 2017 Convention

Montreal, Quebec. Founded in 1898, the Canadian Institute of Mining, Metallurgy and Petroleum (CIM) is the leading technical society of professionals in the Canadian Minerals, Metals, Materials and Energy Industries. The CIM Expo features nearly 450 companies showcasing the latest in mining equipment, tools, technology, services and products. The event includes plenary sessions intended to bring focus and start dialogue around the conference theme of "New State of MINE." Leaders from all aspects of mining and some from unexpected tangential sectors

are brought together in these thought-provoking discussions. For more information, visit convention.cim.org.

May 1–4—Offshore Technology Conference 2017

The Offshore Technology Conference (OTC) is where energy professionals meet to exchange ideas and opinions to advance scientific and technical knowledge for offshore resources and environmental matters. OTC is the largest event in the world for the oil and gas industry featuring more than 2,300 exhibitors, and attendees representing 100 countries. Founded in 1969, OTC's flagship conference is held annually in Houston. The event provides excellent opportunities for global sharing of technology, expertise, products, and best practices. OTC brings together industry leaders, investors, buyers, and entrepreneurs to develop markets and business partnerships. Technical highlights include updates on world-class projects, offshore renewable energy, the digital revolution, safety and risk management and more. For more information, visit <http://2017.otcnet.org/Content/Welcome>.

May 2–4—AGMA 2017 Gearbox System Design

Clearwater Beach, Florida. Learn the supporting elements of a gearbox that allows gears and bearings to do their jobs most efficiently. Gain a deeper understanding about seals, lubrication, lubricants, housings, breathers, and other details that are involved in the designing of gearbox systems. Gear design engineers; management involved with the design and manufacture of gearing type components; metallurgists and materials engineers; laboratory technicians; quality assurance technicians; furnace design engineers; and equipment suppliers should attend. Instructors include Raymond Drago and Steve Cymbala. For more information, visit www.agma.org.

May 8–11—RAPID + TCT 2017

Pittsburgh, Pennsylvania. RAPID + TCT is an additive manufacturing event that showcases product innovations and offers collaborative learning opportunities to ultimately accelerate the adoption and advancement of the technology. The two industry leaders in 3D technology events, SME and Rapid News Publications Ltd., are combining their nearly 30 years of insights and experience to produce the annual RAPID + TCT event starting in 2017. At RAPID + TCT, attendees will have the opportunity to engage with the most influential community in 3D technology. Explore the future of the industry through interactive experiences, 200+ hands-on exhibits, keynotes, and conference presentations from industry leaders. For more information, visit www.rapid3devent.com.

May 16–18—EASTEC 2017

West Springfield, Massachusetts. With more than 500 exhibitors, complimentary conference sessions, industry keynotes and much more, EASTEC is an event dedicated to keeping northeast manufacturers competitive. It's where manufacturing ideas, processes and products that make an impact in the northeast region, are highlighted through exhibits, education and networking events. The Smart Manufacturing Hub examines IIoT, 3-D printing, and the latest automation technologies. For more information, visit www.easteconline.com.