

February 12–14—IPPE 2019 Atlanta, Georgia. The International Production & Processing Expo is the world's largest annual poultry, meat and feed industry event of its kind. A wide range of international decision-makers attend this annual event to network and become informed on the latest technological developments and issues facing the industry. The 2019 show will expand to all three halls of the Georgia World Congress Center. It will bring more than 1,200 exhibitors and 30,000 attendees to Atlanta to discuss innovations in production and processing. Note that the date has been moved to accommodate the Super Bowl coming to Atlanta in 2019. For more information, visit www.ippexpo.org.

February 20–22—Gearbox CSI Hotel Indigo Old Town Alexandria, Alexandria, Virginia. Gain a better understanding of various types of gears and bearings. Learn about the limitation and capabilities of rolling element bearings and the gears that they support. Grasp an understanding of how to properly apply the best gear-bearing combination to any gearbox from simple to complex. Gear design engineers; management involved with design, maintenance, customer service, and sales should consider attending. The course instructors are Raymond Drago and Joseph Lenski, Jr. For more information, visit www.agma.org.

February 26–28—Houstex 2019 George R. Brown Convention Center, Houston, Texas. Houstex 2019 examines everything from additive manufacturing to robotics, machining centers to welding, and dozens of technologies in between. With more than 58,000 square feet of exhibit space, Houstex 2019 will showcase products of all types, Lunch & Learns to Brew & Views, Keynotes to Knowledge Bars, attendees will hear about hot topics and best practices they can put to use immediately. Explore aisle after aisle of the latest manufacturing products, software and services. This event is brought to you by SME and AMT. Industries represented include aerospace, automotive, industrial, medical, oil and gas, plastics and more. For more information, visit <https://houstexonline.com/>.

March 2–9—IEEE Aerospace Conference 2019 Big Sky, Montana. The international IEEE Aerospace Conference, with AIAA and PHM Society as technical cosponsors, is organized to promote interdisciplinary understanding of aerospace systems, their underlying science and technology, and their application to government and commercial endeavors. The annual, week-long conference, set in a stimulating and thought-provoking environment, is designed for aerospace experts, academics, military personnel, and industry leaders. The 2019 conference is the 40th in the conference series. Conference topics include aerospace systems, military, civilian or commercial aerospace endeavors, government policies and aerospace engineering and management. For more information, visit www.aeroconf.org.

March 6–9—The Mfg Meeting 2019 Tucson, Arizona. Hosted by two major manufacturing trade associations, AMT—The Association for Manufacturing Technology and National Tooling and Machining Association (NTMA), The MFG Meeting brings together the complete manufacturing chain for a unique conference experience. This event provides unparalleled opportunities to network with industry leaders and the agenda topics are designed to address key business challenges and provide actionable solutions. The event is intended for senior leadership, executives, vice presidents, senior sales directors, manufacturing technology's builders, distributors and end users. Learn about the future challenges and opportunities facing the American manufacturing indus-

try, discover new ideas and participate in interactive discussions. For more information, visit www.amtonline.org.

March 19–21—Gear Materials, Selection, Metallurgy Hilton Garden Inn, Las Vegas, Nevada. Learn what is required for the design of an optimum gear set and the importance of the coordinated effort of the gear design engineer, the gear metallurgist, and the bearing system engineer. Investigate gear-related problems, failures and improved processing procedures. 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. The course instructors are Raymond Drago and Roy Cunningham. For more information, visit www.agma.org.

April 1–5—Basic Training for Gear Manufacturing – Spring Hilton Oak Lawn, Chicago, 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. Instructors include Dwight Smith, Peter Grossi and Allen Bird. For more information, visit www.agma.org.

April 1–5—Hannover Messe 2019 Hannover, Germany. In 2019, the integration, digitization and interconnection of industrial technologies will transform the world's manufacturing industries more than ever before. In recognition of this, the Integrated Automation, Motion and Drives (IAMD) show at Hannover Messe will feature the full range of products and solutions for the factory of the future, including factory and process automation systems, industrial IT, robotics, smart drives, and intelligent hydraulics and pneumatics systems. The unifying theme this year, "Industrial Intelligence," will focus on eliminating production downtime and ensure the seamless integration and operation of all the parts that make up smart factories. Companies like Siemens, ABB, Festo, Bosch Rexroth, Schneider Electric, Phoenix Contact and Beckhoff—have already registered display space. Confirmed exhibitors of intelligent power transmission and fluid power technology solutions include SEW Eurodrive, Schaeffler, Continental, Aventics, Hydac, KTR, Parker Hannifin, Trelleborg and ZF Friedrichshafen. For more information, visit www.hannovermesse.de.

April 8–11—Automate 2019 McCormick Place, Chicago. Held once every two years, Automate features the latest in cutting-edge robotics, vision, motion control, and related technologies, the event attracts thousands of visitors from around the world looking for ways to enhance their processes, improve product quality, lower costs, and sharpen their competitive edge. More than 400 exhibitors participate with technologies in drives, motors, actuators, robots, controls, metrology equipment, sensors, software, system integrators and more. For more information, visit www.automateshow.com.