

**September 12-15—Turbomachinery and Pump Symposia 2016** George R. Brown Convention Center, Houston, Texas. The Symposia's technical program (more than 100 technical sessions), presented by engineers and selected by an advisory committee of industry experts, includes topics such as maintenance, design and troubleshooting, as well as short case studies describing in-the-field problems and their real-world solutions. An exhibit hall hosts 340+ booths of leading companies from the oil and gas, petrochemical, power, pumping and turbomachinery industries. For more information, visit [pumpturbo.tamu.edu](http://pumpturbo.tamu.edu).

**September 12-17—IMTS 2016** McCormick Place, Chicago, Illinois. The International Manufacturing Technology Show is one of the largest industrial trade shows in the world, featuring more than 2,000 exhibiting companies and 114,147 registrants. This year's show is expected to be one of the largest IMTS events at 1.3 million net square feet with a full line up of exhibitors showcasing the latest technology. After you register, also consider reserving your hotel room through Connections Housing, the only IMTS housing provider. Don't wait to book, as rooms in the downtown area sell out months before the show. Motion, Drive & Automation North America will return as a co-located event with IMTS 2016 and will present the latest technologies and solutions in power transmission, motion control and fluid technology. For more information, visit [www.imts.com](http://www.imts.com).

**September 16-17—EASA Principles of Medium and Large AC Motors** Wyndham Garden Hotel Philadelphia Airport, Essington, PA. This course from the Electrical Apparatus Service Association (EASA) covers horizontal and vertical squirrel-cage induction motors in the 300 to 5,000 horsepower range, low and medium voltage, most of the principles covered apply to other sizes as well. This seminar focuses primarily on NEMA motors. Seminar highlights include motor theory, applications, safety considerations, root cause failure analysis, test and inspection procedures, starting methods and connections, accessories, stator construction and design, rotor construction and design, bearing types and lubrication systems, shaft construction, motor geometry and alignment, vibration, noise, cleaning, reconditioning and storage. For more information, visit [www.easa.com](http://www.easa.com).

**September 19-21—2016 Petroleum and Chemical Industry Technical Conference** Philadelphia, PA. The Petroleum and Chemical Industry Committee (PCIC) of the Industry Applications Society of IEEE invites attendees to its 63rd annual conference in Philadelphia. Technical sessions include DOE regulations, hazardous materials, standards and practices, electric motors, transformers, variable speed drives, control strategies and more. For more information, visit <http://ewh.ieee.org/soc/ias/pcic/conferences/>.

**September 24-28—WEFTEC 2016** New Orleans Morial Convention Center. The Water Environment Federation's Annual Technical Exhibition and Conference, is the largest conference of its kind in North America and offers water quality professionals from around the world with the best water quality education and training available today including 29 workshops, 130 technical sessions, 16 mobile sessions on the exhibit floor, facility tours and

more. The expansive show floor provides access to the most cutting-edge technologies in the field; serves as a forum for domestic and international business opportunities and promotes invaluable peer-to-peer networking among registrants. For more information, visit [www.weftec.org](http://www.weftec.org).

**September 26-28—MINExpo International 2016** Las Vegas Convention Center. MINExpo boasts 12 indoor and outdoor halls and more than 1,800 companies involved in the global mining industry. Opening sessions allow the industry to come together to debate global challenges, market fluctuations and the future of mining. 20+ education sessions will tackle the most timely and pressing issues in mining today. Resources include exploration, mine site development, open pit mining, underground mining, smelting and refining, processing and preparation and reclamation. Attendees will see live demonstrations they can use today and emerging technology for tomorrow. For more information, visit [www.minexpo.com](http://www.minexpo.com).

**September 26-29—Gear Dynamics and Gear Noise Short Course** Ohio State University. 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 37 years more than 1,950 engineers and technicians from over 360 companies have attended the Gear Noise Short Course. A popular feature of this course is the interspersing of demonstrations with lectures. The extensive measurement and computer software capabilities of the Gear and Power Transmission Research Laboratory allow instructors to do this in a simple and non-commercial manner. The Case History Workshop (Day 3) allows course instructors and participants to interact and to discuss gear noise and dynamics case histories presented by course attendees. Throughout the course, laboratory and computer software demonstrations are used to illustrate gear noise measurement and analysis techniques. The facilities of the Gear and Power Transmission Research Laboratory and the Acoustics and Dynamics Laboratory are used for these demonstrations. Course instructors include Dr. Donald Houser and Dr. Rajendra Singh. For more information, visit [www.nvhgear.org](http://www.nvhgear.org).

**October 2-5—GMRC Gas Machinery Conference 2016** The GMRC Gas Machinery Conference provides three days of technical training and presentations by the industry's leading experts. The conference includes a vendor exhibit showcasing the latest equipment, technology and services. Educational sessions and networking opportunities are valuable for design engineers, facility engineers, technicians and others, with an emphasis on the operation, maintenance and testing of gas compression machinery. The Gas Machinery Research Council (GMRC) is a not-for-profit research corporation that was founded in 1952. GMRC provides its member companies and industry with the benefits of an applied research and technology program directed toward improving reliability and cost effectiveness of the design, construction and operation of mechanical and fluid systems. For more information, visit [www.gmrc.org/gmc](http://www.gmrc.org/gmc).