

November 1–3—CanWEA Annual Conference and Exhibition

Calgary, Alberta. Hosted by the Canadian Wind Energy Association (CanWEA) and Hannover Fairs (Canada), the conference will highlight wind energy commitments, opportunities and innovations across all regions of Canada. Additionally, this year's event will focus on Alberta and Saskatchewan's significant new renewable energy and climate change commitments. This year's Wind Energy Conference discussion topics include: asset management to maximize value, innovation: integration and interconnection into the grid, social aspects of wind development for emerging markets, latest developments and advancements in resource assessment, the future potential of wind energy storage and industry initiatives and advancements to reduce impacts on wildlife and specifically bat populations. For more information, visit windenergyevent.ca.

November 1–4—PTC Asia 2016

PTC ASIA is Asia's leading trade fair for power transmission and control and fluid technology as well as bearings, motors, and linear and sealing technologies. Industry 4.0 is evident at many exhibits: an entire hall is dedicated to Smart Manufacturing, and the company Unity and the German Mechanical Engineering Industry Association (VDMA) once again stage the Smart Manufacturing Forum. Companies such as Argo-Hytos, Bonfiglioli, ContiTech, Dichtomatik, Eaton, EMC, Lenze, NORD Drivesystems and NTN are among the exhibitors. Germany, Italy and South Korea promote small and medium-sized companies with country pavilions. Co-located shows include CeMAT Asia, ComVac Asia and Industrial Supply Asia. Approximately 80,000 visitors are expected in 2016. Hannover Milano Fairs Shanghai Ltd., Deutsche Messe's subsidiary in China, organizes the four fairs. For more information, visit www.hannovermesse.com.

November 11–17—IMECE 2016 Real world challenges that face health care, transportation, space exploration, new product design and manufacture, and energy require interdisciplinary mechanical engineering approaches and perspectives. ASME's International Mechanical Engineering Congress and Exposition (IMECE) is designed to facilitate this powerful dialogue between disciplines in the global engineering arena. IMECE has a long-standing history within ASME and the mechanical engineering field. Historically, IMECE has been the first place that new innovation in mechanical engineering is presented. For example, in 1911, Willis Carrier presented what many scientists consider to be the most significant document on air conditioning. The first proceedings of the 1st New York Meeting, now known as IMECE, were published in 1880. Since then, the conference has grown to include various audiences, and be the mark of innovation and interdisciplinary collaboration within the mechanical engineering field. The event features 20+ tracks and 240 topics in mechanical engineering, daily plenary sessions, industry presentations, an Honors Assembly program and more. For more information, visit www.asme.org.

November 15–17—Detailed Gear Design-Beyond Simple Service Factors

Las Vegas, Nevada. This course explores all factors that go into good gear design from life cycle, load, torque, tooth optimization, and evaluating consequences. Students should have a good understanding of basic gear theory and nomenclature. Interact with a group of your peers

and with a talented and well-respected instructor who will push your thinking beyond its normal boundaries. 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. Raymond Drago is the course instructor. www.agma.org.

November 29–December 1—Composites Europe 2016

Dusseldorf, Germany. Experience the entire process chain of the composites industry and gain a complete overview of the market and the major exhibitors - in just three days. As the international industry meeting point in Europe's biggest composites market, Composites Europe combines tried and tested solutions and efficient innovations. The trade fair reflects the variety of goods and services and the innovative strength of the entire industry. Major topics at the fair are state-of-the-art production and processing technologies focusing on concepts for lightweight construction and automotive applications. Industries involved include automotive, aerospace, energy, marine, electronics, medical, wastewater, agriculture and general engineering. For more information, visit www.composites-europe.com.

December 5–8—CTI Symposium 2016

Berlin, Germany. More than ever, the development of transmissions and drivetrains is being shaped by the trends of electrification, connectivity and automation. The focus rests on significantly increasing driving efficiency and comfort while reducing emissions, and on providing a brand-appropriate driving experience – as well as on 'ongoing demands' in terms of costs, package, weight and modularity. The planned introduction of regulations to measure Real Driving Emissions (RDE) in 2017 will heighten the technical challenges these criteria involve. The only way to meet the ambitious targets is by intelligent, effective transmission and powertrain integration. These and other topics will be front and center during the CTI Symposium Berlin 2016. For more information, visit www.transmission-symposium.com.

December 13–15—Power-Gen International 2016

Power-Gen International provides comprehensive coverage of the trends, technologies and issues facing the generation sector. More than 1,400 companies from all sectors of the industry exhibit each year to benefit from the exposure to more than 20,000 attendees. Displaying a wide variety of products and services, Power-Gen International represents a horizontal look at the industry with key emphasis on new solutions and innovations for the future. Conference sessions include energy storage, the digital power plant, emissions control, gas turbine technologies and more. For more information, visit www.power-gen.com.