

February 1–2—Offshore Wind Power 2011.

Boston. Following the success of this year's Offshore Wind Power USA event in Philadelphia, Green Power Conferences would like to announce the 2nd annual event taking place in February 2011. Offshore wind energy is the new growth industry in North America, with wind resources off the U.S. coasts offering a vast, yet largely untapped energy potential. Offshore development promises to be a significant domestic renewable energy source, especially for coastal energy loads with limited access to interstate grid transmission. For more information, visit www2.greenpowerconferences.co.uk.

February 15–17—Gear Materials: Selection, Metallurgy, Heat Treatment and Quality Control.

Clearwater, FL. Discover how both the gear design engineer and the gear metallurgist can better grasp their related, critical roles in the world of gear processing, heat treatment and inspection. The gear design engineer is responsible for the initial selection of material and heat treatment, but the finalization of both material and thermal processing must be a joint effort. This seminar shows how the gear design engineer first approaches the problem of material selection and heat treatment technology, as influenced by the performance and life requirements of the gear set. It also shows how the gear metallurgist can participate in and thereby optimize the finalized gear manufacturing process. Interspersed in the course are examples of gear-related problems, failures and improved processing procedures. Analyses and comments on a number of relevant failures are given. For more information, contact Jan Alfieri at alfieri@agma.org.

March 1–3—Expo Manufactura. Cintermex, Monterrey, Mexico. The largest event in Mexico for the processing and manufacturing industries boasts more than 350 companies representing more than 600 national and international brands. Expo Manufactura brings professionals together with technological solutions in aerospace, medical devices, automotive, metallurgical, aeronautics and electrical appliances. More than 9,000 industry professionals will visit the show looking for industry insights, new technologies and networking opportunities. For more information, visit www.expomanufactura.com.mx.

March 15–18—Gear Dynamics and Gear Noise Course.

The Ohio State University. The Gear Dynamics and Gear Noise Short Course has been offered for more than 30 years and is considered extremely valuable for gear designers and noise specialists who encounter gear noise and transmission design problems. Attendees will learn how to design gears to minimize the major excitations of gear noise: transmission error, dynamic friction forces and shuttling forces. Fundamentals of gear noise generation and gear noise measurement will be covered along with topics on gear rattle, transmission dynamics and housing acoustics. This course includes extensive demonstrations of specialized gear analysis software in addition

to the demonstrations of many Ohio State gear test rigs. A unique feature of the course is the interactive workshop session that invites attendees to discuss their specific gear and transmission noise concerns. The round table discussions are intended to foster interactive problem solving discussions on a variety of topics. Cost is \$1,950. For more information, contact Jonny Harianti at harianti.1@osu.edu.

March 21–24 2011—Automate 2011. McCormick Place, Chicago. Automation technologies such as robotics, machine vision and motion control help companies in every industry become stronger global competitors. Automate 2011 brings together a broad range of integrated solutions while examining the latest technology advances in these fields. Formerly the International Robots, Vision and Motion Control Show held once every two years, Automate 2011 has partnered up with ProMat 2011, a leading trade show for the material handling and logistics industries, to bring guests new ideas that can be put to use immediately. One badge gets you into both shows. For more information, visit www.automate2011.com.

March 22–26—IFPE 2011. Las Vegas Convention Center, Las Vegas. IFPE is the leading international exposition and technical conference dedicated to the integration of fluid power with other technologies for power transmission and motion control applications. Held every three years, the exposition showcases the newest innovations and expertise in fluid power, power transmission and motion control. More than 100 education sessions focus on the newest technologies, best practices and the latest research and developments including: The National Conference on Fluid Power, Innovations Theater and college-level courses in hydraulics and pneumatics. For more information, visit www.ifpe.com.

May 6–8—Gears, Motors and Controls Expo.

Bombay Exhibition Centre, Mumbai, India. GMC 2011 is a showcase of gears, motors, controls and allied products scheduled to be organized from the 6th to 8th May 2011. The 3rd edition of the event builds on the success of the earlier editions held in Chennai & Mumbai. It will be held in conjunction with Pumps, Valves & Compressors Expo 2011. The three-day event will be promoted extensively across India and the region, and visitors will comprise key decision makers from nearly every industry segment. With customer satisfaction at the heart of the trade show's strategy, GMC 2011 hopes to build on previous efforts and deliver maximum rewards to the participants. Bonfiglioli and Elecon are industry partners for the 2011 event.