

June 21–22–47th International Symposium on Robotics

Munich, Germany. Returning to Munich after two years, ISR 2016 is the international trade fair for automation and mechatronics. Automatica has been chosen as the conference platform which covers the entire spectrum of automation. ISR 2016 will offer the latest R&D efforts in robotics as well as the new developments in robotics, machine vision, assembly, handling and service. It is jointly organized by the Mechanical Engineering Industry Association (VDMA), the Information Technology Society (ITG) within VDE and supported by Fraunhofer IPA and the German Society for Robotics (DGR). For more information, visit www.ifr.org.

June 22–23–Sensors Expo & Conference 2016

McEnery Convention Center, San Jose, California. New this year, the Expo will feature an expanded two-day IoT track, expanded flexibles and wearables track, sensors and embedded systems design track, embedded security pre-conference symposia, flexible and wearables pre-conference symposia, hands-on workshops, university and non-profit program and a startup venture forum and pavilion. Technical sessions include “Embedded Vision: The Ultimate Software-Defined Sensor,” “Building Success in the Internet of Things,” “Sensor Subsystems for Vital Parameter Monitoring,” “3D Robots,” “Trends in Telematics,” “Cloud-Based Data Analytics Using Next-Generation Medical Sensors,” “Printed, Flexible Stretchable Sensors for Wearables, IoT and Other High Volume Applications” and more. Can’t make the Expo in June? Sensors Midwest will be co-located with SMTA International, the industry’s top conference on electronics assembly and advanced packaging for a two-day sensors event featuring education, networking and the latest sensor technologies. Sensors Midwest takes place September 27–28 at the Donald E. Stephens Convention Center in Rosemont, Illinois. For more information, visit www.sensorsexpo.com.

June 23–AGMA 2016 Gear Manufacturing & Inspection Cleveland, Ohio. This seminar provides the gear design engineer with a broad understanding of the methods used to manufacture and inspect gears and how the resultant information can be applied and interpreted in the design process. Please note: This seminar is not a tutorial in the mechanics of machine operation; rather, the content addresses the relation between the manufacturing/inspection sequence and the detailed gear design process. Gear design engineers, management involved with the design and manufacture of gearing type components, laboratory technicians, quality assurance technicians, and gear designers should attend this course. Raymond Drago is the instructor. For more information, visit www.agma.org.

June 26–30–International Conference on Nuclear Engineering Charlotte Convention Center, Charlotte, North Carolina. ICONE is a global conference on nuclear reactor technology. This conference is for anyone who wants to stay technically current and on top of industry trends and developments. It features industry forums, technical presentations, keynote, plenary and poster sessions as well as workshops where international subject matter experts present their views and expertise on current topics. Leaders from industry, government and academia gather each year to present and explore cutting edge technical issues and solutions for the challenges that the nuclear

industry faces today. Through the ICONE student program, the conference also fosters the development of future nuclear professionals. The event is co-sponsored by the American Society of Mechanical Engineers, the Japan Society of Mechanical Engineers and the Chinese Nuclear Society. It is co-located with the ASME Power & Energy Conference & Exhibition. For more information, visit www.asme.org.

July 19–20–AWEA Regional Wind Energy Conference - Northeast

Portland, Maine. AWEA’s next regional conference will focus on the critical issues that will help advance wind power’s growth issues in the northeastern U.S. The event will also provide attendees with a comprehensive view of both land-based wind power development and the nascent efforts to develop offshore wind power off the region’s coast. Attendees will analyze where wind power stands today in the northeast and the critical issues specific to the region, evaluate the market and policy in the region, specifically the various growth strategies and demand drivers, detail the critical issues affecting offshore wind development, siting & wildlife and transmission infrastructure needs, as well as manufacturing and supply chain opportunities in the region and examine the utility issues that can secure cost-effective wind energy supply, jobs growth, and economic development opportunities. For more information, visit www.awea.org.

August 2–4–Capture 3D Innovation Conference

Plymouth, Michigan. Companies are advancing manufacturing processes to conquer today’s challenges and to strategically plan for the future. The Capture 3D Innovation Conference and Expo occurs every two years. This event focuses on how companies are continuing to improve design, manufacturing and production processes with intelligent 3D measurement technology. This is a specialized conference designed for quality and manufacturing executives, managers and engineers. Register today, and start bringing meaning to your manufacturing with quantifiable measurement. Conference speakers include reps from Argon, Delcam, Tesla, Made in Space and more. For more information, visit c3innovate.com.

August 9–11–PC Applications in Parallel Axis Gear System Design and Analysis

UWM School of Continuing Education, Milwaukee, Wisconsin. Attendees will gain an understanding of parallel axis gear design, and learn to use the software tool, *PowerGear*, to analyze the main parameters involved. (A student version of the software is included in the price of the course.) This course covers the basics of gear load capacity evaluation from a theoretical viewpoint and uses the PC as a tool to apply these theoretical concepts. Attendees will understand durability, strength and scoring concepts, discuss typical sets of problematic design parameters and experience hands-on design perspectives through group projects. For more information, visit <http://uwm.edu/sce/courses/pc-applications-in-parallel-axis-gear-system-design-and-analysis/>