

### November 6–8 SMMA Fall Technical Conference.

Sheraton Westport Plaza Tower Hotel, St. Louis. SMMA-The Motor & Motion Association is the manufacturing trade association for the electric motor and motion control industries. More than 120 member companies include manufacturers, suppliers, users, consultants and universities serving both consumer and commercial markets in the appliance, transportation, medical equipment, office automation and computers, aerospace and industrial automation industries. Scheduled courses at the Fall Technical Conference include fundamentals of electric motor design, fundamentals of brushless motor control, permanent magnet fundamentals and much more. The Fall Technical Conference provides members and prospective members the opportunity to interact with industry colleagues. Attendees learn about industry trends and technologies, identify new supplier partners and network with other motors and drives professionals. For more information, visit [www.smma.org](http://www.smma.org).

### November 12–15 Bulk Material Handling.

Indianapolis. IDC University's Bulk Material Handling course is a four-day intensive study into the various types of conveyors and bucket elevators. This course introduces students to the bulk material handling industry and the details behind the design and application of screw conveyors, bucket elevators, drag conveyors and belt conveyors. Throughout the course, students will learn about various bulk materials and how to classify them by CEMA standards. Resources available for designing and selling screw conveyors, bucket elevators, drag conveyors and belt conveyors will be covered. For more information, visit [www.idc-usa.com](http://www.idc-usa.com).

### November 14–15 Design and Manufacturing Montreal.

Palais des Congres Convention Centre, Montreal. The province of Quebec is a major center of manufacturing, with a gross domestic product of \$301 billion. Quebec offers a strategic location between Europe and the Americas and is within a 600 mile radius of Boston, New York, Washington, and Detroit. UBM Canon is pleased to announce the comprehensive 2012 co-located event lineup including Expoplast, Packex Montreal, Process Technology/Powder Bulk Solids (PTX/PBS) Montreal, Design and Manufacturing Montreal, Contract Manufacturing Expo, Automation Technology Expo (ATX) Montreal, AeroCon, and Sustainability in Manufacturing. Design & Manufacturing Montreal features leading suppliers of CAD/CAM systems and software, enterprise software, rapid prototyping, design services, custom molding, machining and components, and fastening and joining systems. For more information, visit [www.ubmcanon.com](http://www.ubmcanon.com).

### November 26–29 Defense Manufacturing Conference.

Orlando, Florida. The Defense Manufacturing Conference (DMC) is the nation's largest forum for scientists, technologists, engineers, managers, leaders and policy makers in the defense industrial base. The meeting is the product of a partnership of the U.S. military departments and agencies of the Department of Defense. DMC 2012 will feature presentations on topics like required industrial capabilities, future warfare scenarios and manufacturing innovation. All of the military departments, defense agencies, industry and academia will participate in this event for both defense and non-defense related manufacturing technology. Past exhibitors include Aero Gear, DMG/Mori Seiki, Dura-Bar and Solar Atmospheres. For more information, visit [www.dmc2012.com](http://www.dmc2012.com).

**December 3–6  
Motors and Controls.** Indianapolis. Selling electric motors and controls begins with understanding how they operate. This course takes students from the fundamentals of electricity through selecting motors and controls for industrial applications. Special consideration is given to basic theory, principles of operation, construction and programming of motors and digital controls. Hands-on lab sessions reinforce each day of learning. For more information, visit [www.idc-usa.com](http://www.idc-usa.com).

**January 21–24  
Automate 2013.** McCormick Place, Chicago. Automate is the largest solutions-based showcase of automation technologies in North America. Formerly the International Robots, Vision & Motion Control Show, which dates back to 1977, Automate now demonstrates the full spectrum of automation technologies and solutions for a broad array of industries. The show is held once every two years. Companies that provide integration of automation, robotics and machine vision will show actual demonstrations of systems at the show. This allows attendees to see live demos solving challenges they face in their industry, and also to learn from solutions used in other industries that may be beneficial to them. The rest of the show features the latest automation, robotic, vision and motion control technologies and systems on display from leading global suppliers. A comprehensive educational conference accompanies the Automate show. Featuring a broad array of classes from beginner to advanced skill levels, the conference offers something for all attendees—they can take one class or four full days of training. ProMat, a material handling and logistics show, is co-located with Automate 2013. For more information, visit [www.automate2013.com](http://www.automate2013.com).