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Seminar & Training Schedule
February, March, and April 2009

Training Seminars	St. Louis
GE Fanuc Machine Edition Software for PLC Programming, Introduction Hands on! Introduction to GE Fanuc PLC programming using Machine Edition software. This powerful software tool can program the entire range of GE PLC families and allows quick, easy development of control code using Ladder, Structured Text, Function Blocks, and Instruction List. This course is a basic introduction to the Machine Edition environment and simple ladder logic functions. Free – ½ Day (8:30am – 12:00pm)	March 25 April 7
GE Fanuc Machine Edition Software for PLC Programming, Advanced Hands on! Further explore the powerful functionality of GE PLC controls. This course covers FBD and Structured Text programming using Machine Edition software, as well as additional advanced features (peer-to-peer Ethernet communications, scan sets, analog scaling and alarming, Hart communications, etc.) Free – ½ Day (8:30am – 12:00pm)	April 28
GE Fanuc Machine Edition Software for Operator Interface Hands on! See the capabilities of Machine Edition for creating user-friendly and powerful operator interface screens. ME View can run on a standard PC or on the family of QuickPanel View panel products. Easy graphics, hundreds of objects, VB scripting, built-in web server, SQL data access, and historical logging, all features you'd expect in high end HMI packages, are part of ME View. As part of the ME environment the variables database is integrated with the PLC variables, meaning no duplication of effort in variable creation! This course shows how to create graphics and animation, variables, scripting, trending, and alarming. Free – ½ Day (1:00pm – 4:00pm)	March 25 April 7
All in One – OCS Controller/ Display Hands on! The Operator Control Station (OCS) is a unique control product that includes a full featured PLC logic controller AND a built-in interface. This concept saves time in installation, programming, and setup because it's a single unit to mount, a single unit to program, and no cables to connect! And programming software is FREE! The OCS family ranges from small message displays to full graphical units. This course covers the basics of creating ladder code and defining interface screens using the CsCape software tool. Free – ½ Day (8:30am – 12:00pm)	March 10
ABB Variable Frequency Drives Certified Start-up Training Two and a half day course covering ACS550 drive start-up fundamentals, parameter configuration, application discussions, motor sizing, start-up check list, and hands-on labs. Class attendees are authorized to extend ABB's standard warranty to 2 Years parts and labor for future installations. Free –2 ½ Day (8:30am – 4:30pm for two days, 8:30 – 11:30 on last day, Lunch is Provided)	Feb 17-19

Technical Session	St. Louis
Network Control of Variable Frequency Drives Learn options for fieldbus communications to VFD's. Specifics for serial Modbus connectivity and EthernetIP connectivity will be demonstrated. Other architectures include DeviceNet and Profibus. Free – One to Two Hours 9:00am	March 19
Web Development for Operator Interface See the latest in OIT functionality with Adobe Flash technology that enables access to an Operator Panel via an Internet Browser for viewing screens AND developing screens. Panels can be modified remotely without shutting down the process or impacting the operator's access to the machine. Free – One to Two Hours 9:00am	April 15

Webinars (20 Minute Web Presentations)	St. Louis
Critical Power Quality Power Quality and Uptime is critical in many applications. Many of the leading causes of downtime, data loss, and hardware damage result from power problems and temperature. APC offers power backup and power protection solutions and sets the standard in the industry for reliability, availability, and capacity. APC's comprehensive solutions, which are designed for either Industrial or Corporate environments, improve the manageability and performance of sensitive electronic, network, communications, and industrial equipment of all sizes. 11:30am	March 18 April 29
Arc Flash Protection and Mitigation This presentation will highlight unique solutions to manage and reduce the hazards of arc flash exposure to personnel and equipment. ABB was the first to introduce arc-resistant switchgear in the US and possesses significant application knowledge and understanding of installation requirements to design appropriately protected switchgear while minimizing installation costs. Topics covered will be the types of arc-resistant switchgear, devices available to mitigate arc flash energy, and PPE (personal protective equipment) requirements. 11:30am	Feb. 24 April 23
All-in-One Controllers This presentation will introduce the value and capabilities of All-in-One controllers, a single compact unit that combines a ladder logic controller, I/O, network, and operator display, versus traditional controller/operator panel systems. The OCS (Operator Control Station) offers cost savings and flexibility in a variety of applications. 11:30am	Feb. 25 April 22

Please visit our web site, www.logic-control.com, to register and for the office location and more details about these training classes, tech sessions, and webinars. You may also register and ask questions by calling 636-536-6610.