

Summer Workshop Schedule

(June - September 2010)

Condition Monitoring-Using Vibration Analysis to Predict/Prevent Machinery Breakdowns

Come join us for an informational seminar regarding condition monitoring. We will cover the following topics:

- 1) What is condition monitoring and how will it benefit my company's productivity?
- 2) Different condition monitoring methods companies currently utilize.
- 3) What makes AB's Dynamix products a better solution for making business and/or production decisions at the operations level?
- 4) Dynamix product demonstration.

June 1 Buffalo Grove 9:00a-12:00p Free

PLC Basics Using RSLogix500

This workshop will give students and basic understanding of PLC systems, SLC and MicroLogix hardware, and RSLogix 500 programming software. Basics of I/O, Data Tables, addressing and programming of basic instructions will be covered utilizing hands-on labs. CEU Approved in WI.

June 2 Hartland 8:30a-4:30p \$300
August 24 Buffalo Grove 8:30 a-4:30p \$300

PLC Advanced Using RSLogix500

Acting as an extension of the PLC Basics class, this is a more in-depth workshop. This class will cover comparison, arithmetic, file type, program control, analog applications, as well as an opportunity to review other applications. CEU Approved in WI.

June 3 Hartland 8:30a-4:30p \$300
August 25 Buffalo Grove 8:30a-4:30p \$300

DeviceNet Workshop

This is a hands-on workshop utilizing Rockwell Software and RSNetWorx for DeviceNet. This seminar will include various types of hardware offerings from Rockwell Automation, as well as different types of physical media and how to install them. The instructor will explain DeviceNet drivers, polled messaging, peer-to-peer communications, and open EDS files. Lastly, the Open DeviceNet Vendors Association will be introduced.

June 8 Hartland 8:30a-4:30p \$300

Introduction to RSLogix5000

This workshop will introduce students to the Allen-Bradley Logix platform of products, including ControlLogix, FlexLogix, CompactLogix, and others. Differences will be explained between this platform and conventional PLC-5 and SLC-500 products. Each student will receive hands-on experience with hardware and RSLogix5000 software.

June 8 Buffalo Grove 8:30a-4:30p \$300
August 5 Buffalo Grove 8:30a-4:30p \$300

Energy Smart

Saving Energy is good for the bottom line and the environment! Revere Electric along with a number of our Energy Partners have teamed up to bring you energy smart products and services to keep your energy cost down and to improve your bottom line profitability. This half-day seminar will focus on identifying energy and cost-savings opportunities in your facility. Note \$50 cancellation fee will be applied if cancellation is within 48 hours of event.

June 10 RA-Burr Ridge 7:30a-12:00p Free



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Motion System Design Considerations

This course is a 1-day interactive discussion around the design considerations for a servo motion system. It's an excellent way for those converting from pneumatic/hydraulic positioning systems to servo electronics to become familiar with the key issues regarding a servo system. Topics included in the course include; mechanical considerations, drive/motor sizing, common application tips, motion analyzer, Kinetix accelerator toolkit, Logix motion design, Logix programming, technical tips, kinematics and robotics.

June 10 Hartland 10:00a-2:00p \$75

Essential Components on Tour

Work directly with Rockwell products to better understand the value of connected components building blocks which include: pre-written control programs, sample HMI screens, quick start guides, parameter backup and restore functionality, sample wiring diagrams and sample panel layouts. Discuss global trends, stands, risk assessment and modern safety systems can positively impact safety objectives while maintaining a productive work environment.

June 10 Peru 8:00a-5:30p Free
June 15 Buffalo Grove 8:00a-5:30p Free
June 17 AB-Burr Ridge 8:00a-5:30p Free

Introduction to Motion Using Logix and Kinetix

This hands-on workshop will cover the basics of servo motion control using the Allen Bradley Logix based controllers and Kinetix servo drives. It begins with a discussion of application sizing using Motion Analyzer, students will also learn how to add hardware into an RSLogix 5000 program, and will then program motion control with simple ladder based commands.

August 12 Hartland 12:00p-4:00p \$75

Introduction to RSLogix5000

This workshop will introduce students to the Allen-Bradley Logix platform of products, including ControlLogix, FlexLogix, CompactLogix, and others. Differences will be explained between this platform compared with conventional PLC-5 and SLC-500 products. Each student will receive hands-on experience with hardware and RSLogix5000 software.

August 17 Hartland 8:30a-4:30p \$300

Intro to PanelView Plus Programming

This class will introduce the basic features of RS View Machine Edition as well as the PanelView Plus VersaView CE, including configuration, communication, and troubleshooting. During hands-on labs students will develop an application covering basic text objects, trending, and data logging.

August 19 Hartland 8:30a-4:30p \$300

Arc Flash

Industry leaders discuss one of the most pressing issues in the market place today; NFPA 70E standards for electrical safety, safety principles, personal protection equipment, common electrical hazards, hazard/risk analysis, IP20 (finger safe protection ratings) and Lockout/Tagout guidelines. We will also review pertinent NEC articles relating to Arc Flash and Lockout/Tagout.

TBD Customer Site By Appt. \$150 lot



Registration Information

Online: www.revereelectric.com/training/workshops.cfm

Via Training Coordinator:

(312) 528-2300, (262) 369-3795 or bskarda@holtelectric.com