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Choose from any of the courses listed below. Go to [www.abb.com/a&pworld](http://www.abb.com/a&pworld) for more information and to register. Each course runs from 8:00 a.m. – 5:30 p.m.

### Tuesday, March 24, 2009

#### FTR-03-5 Microsoft Windows Technologies for Industrial IT

This customized course was designed to contain only the specific Windows technologies used in Process Portal installation. Students spend less time in the classroom by learning only the parts of the operating system they need to support their environment. Participants will learn how to install Windows 2003 in a Workgroup or Active Directory Domain, and configure the Windows 2003 and Windows XP environments for Process Portal applications. They will create and manage users and groups, secure access to network resources and services, and maintain a Windows server using key administration tools.

#### FTR-05-5 System 800xA installation hands-on experience

This is a full-day, hands on session that will show the student how to install and license the System 800xA software, backup and restore the 800xA system, and set up clock synchronization to the AC800M controller. Each student will be able to load the base 800xA software on a classroom computer. It is highly recommended that the student already have working knowledge of the 800xA system, as well as networking experience in order to get the most out of the course materials.

### Wednesday, March 25, 2009

#### FTR-02-6 Microsoft TCP/IP for Industrial IT

Participants in this session will learn how to identify common computing models: PANs, LANs, MANs, WANs, Intranet, Extranet, Internet, Token, CSMA/CD, CSMA/CA, 10Base2, 10Base 5, and 100BaseTx, etc. The session will cover network connectivity hardware devices such as repeaters, switches, V-LANs, routers and gateways. Attendees will be introduced to the OSI reference model used for networking concepts and will utilize IP addressing, creating subnets and subnet masks. Topics such as basic naming technologies & TCP/IP, Windows Internet Name Service (WINS) / LMHOSTS as well as Domain Name System (DNS) / HOST will also be covered in this class.

#### FTR-04-6 System 800xA engineering with Function Designer hands-on experience

This technical training will provide general information on ABB's System 800xA and Engineering control logic for AC800M Controllers. These hands-on sessions will allow participants to perform basic control logic engineering with Function Designer and perform various configurations of the Process Portal Human Machine Interface (HMI). Understand the benefits of industrial IT's object-oriented approach of "seamless" integration between the control system and you. Create control logic and complete the total configuration through the HMI. Structures, object, aspects, live data, graphics, alarms and events are topics of discussion.

### Thursday, March 26, 2009

#### FTR-01-6 Microsoft Active Directory for Industrial IT

This session will teach the student how to install and configure Active Directory in a Process Portal environment, populate Active Directory and manage Active Directory objects. The student will also learn how to configure and lockdown desktops in a workgroup and Active Directory environment using Group Policy, safely deploy recommended security policies for Process Portal in a Windows environment, configure Active Directory replication via sites and configure Global Catalogs and understand the Operation Master. Roles, configure, transfer and seize the roles.