

ISA Full Day Training

Workshop Sessions



ABB Automation World Conference & Exhibition



ISA Full Day Training*

Tuesday, March 20

Sessions 1-4 • 10:30 a.m. - 5:00 p.m.

ISA-FG21C Ethernet and TCP/IP on the Plant Floor

Wayne Manges

Ethernet is fast becoming the new standard for industrial control networking worldwide. Using process control concepts, this seminar explains both Ethernet and TCP/IP as they apply to the plant floor. Included are topics such as the various types of copper and fiber based Ethernet, how to design Ethernet cabling systems, and principles of network security. You'll also look at the differences between repeaters, bridges, switches, and routers and how to correctly implement them. Real life examples and case histories will help you understand the truth about Ethernet and TCP/IP and how to use both effectively in your plant.

Sessions 1-4 • 10:30 a.m. - 5:00 p.m.

ISA-IC55C Implementing Enterprise & Control Integration Using ISA-95 Standards

Dennis Brandl

This seminar defines an approach to integration of manufacturing systems with other business logistics systems using the models defined in the ISA-95 Standards. You will be better prepared to integrate your manufacturing systems into the corporate supply chain. The seminar defines the activities associated with manufacturing control business logistics systems and describes, in detail, the information that must be shared between enterprise and control systems.

Register Today!

* Seating is limited for these classes.
Attendees must register directly with ISA.
For more information and fees, visit www.isa.org.

Wednesday, March 21

Sessions 5-10 • 8:00 a.m. - 5:30 p.m.

ISA-EC50C Safety Instrumented Systems: The Must Know for Implementation

Bill Goble

There are many different ways of designing safety instrumented systems. Questions such as:

- Which technology should be used (electric, electronic, or programmable)?
- What level of redundancy is appropriate (single, dual, or triple)?
- How often should systems be tested (monthly, quarterly, yearly, or once per shutdown)?
- What about field devices (technology, level of redundancy & test intervals)?

These questions are being asked by users and engineering firms alike. Debate continues as to how one even makes these choices (past experience, qualitative judgment, quantitative analysis, etc.). This seminar will cover the basics of what needs to be done in the design and selection of safety systems.

Sessions 5-10 • 8:00 a.m. - 5:30 p.m.

ISA-FG05C Overview of Measurement and Control Fundamentals

Larry Thompson

This overview of industrial measurement and control uses a generally non-mathematical approach. You will leave with a basis for communicating with control system professionals.

The ABB logo, consisting of the letters 'ABB' in a bold, red, sans-serif font.

Thursday, March 22

Sessions 11-15 • 9:30 a.m. - 5:30 p.m.

ISA-IC32C Securing Industrial Networks: Cyber Protection for Automation, Control and SCADA Systems

Wayne Manges

Are your computerized factory automation, process control, and SCADA networks vulnerable to hackers, spies, or saboteurs? This seminar will teach you the basics of cybersecurity, and how to apply it to your industrial networks.

Sessions 11-15 • 9:30 a.m. - 5:30 p.m.

ISA-IC40C Introduction to Applying the Batch Control Standard ANSI/ISA-88.01

Dennis Brandl

This seminar will provide essential information for professionals working in batch process, especially in the pharmaceutical, pulp and paper, food processing, chemical processing, and air and gas industries. Leave with an understanding of the goals of the standard, how to apply the standard, where it can be used, issues and problems the standard addresses, and an understanding of the recipe and equipment structures used for batch control.

sponsored by:



IBM is a registered trademark of
International Business Machines Corporation

