

EXPLORE. ENGAGE. EVOLVE.

TECHNICAL TRAINING PROGRAM

At Emerson Exchange
EMEA 2024

25 Sessions / 500 Seats

CCD Convention Center Düsseldorf,
Feb. 27-29th 2024



Certified content with certified instructors.

Hands-on Workshops

BUILD TECHNOLOGY AWARENESS

TIPS & TRICKS ON EMERSON
EXISTING SOLUTIONS AND DEEP
DIVES ON NEW TECHNOLOGIES



Emerson Exchange is an industry-leading technical conference where professionals from all areas of process automation can come to share ideas, collaborate on solutions and learn from subject matter experts about how to extract the most from their automation investments.

Scan for instructions on how to register and get involved.



PROGRAM

DeltaV Cybersecurity

This short course focuses on the DeltaV Security Manual and the practical implementation of the guidance provided within.

Students will have a high level overview of properly applying Emerson's Defense-in-Depth strategies so that students can have the skills to apply these same strategies on their DeltaV systems.

Non-Invasive Clamp-on Flow Measurement Technology – Hands-on and Best Practice with a FLEXIM Portable Flow Meter

Non-invasive clamp-on flow measurement technology offers a unique capability for real-time flow measurement in a wide range of pipe and fluid types, encompassing both liquids and gases. In this session, participants will gain valuable insights through informative presentations and hands-on experience in quickly obtaining flow readings from liquid pipes using a portable clamp-on ultrasonic flow meter.

The session will emphasize best practices for installation and utilizing the flow meter's diagnostics for enhanced process understanding within their facilities.

Moreover, attendees will be introduced to Emerson's innovative FLEXIM products and technologies, surpassing conventional methods. Discover the speed and simplicity of installing a clamp-on ultrasonic flow meter to validate existing flow meters and optimize overall plant efficiency.

PK Controller

This short course provides lectures and hands-on workshops with the PK controller, its hardware components and administration for a standalone application.

Minimize Fugitive Emissions for Isolation Valves

Fugitive Emission Reduction has become a business imperative with increasing environmental regulation.

Due to limited capital for upgrade projects, understanding the risk factors such as obsolete technology, improper technology selection and sizing, and prioritizing leaking valves is critical. In this training session, participants will gain a comprehensive understanding of the causes of valve fugitive emissions and explore the valve components that aid in reducing such emissions.

The training will provide a hands-on experience, allowing participants to recognize design technologies that help minimize fugitive emissions and leakage, and share their findings with other groups.

DeltaV Virtualization with HCI

This short course focuses on the architecture of the new HCI Virtualization platform used in DeltaV distributed control system.

A key objective of this course is to prepare students for all aspects of owning a DVS system with special emphasis on providing highly available, reliable and secure access for end users of the DVS system.

Wireless Vibration Monitoring with AMS Machine Works

This short course is helps students understand AMS Machine Works.

Students will learn how to navigate through the software and manage the database by adding devices from the network and configuring those devices for data collection and data storage.

DeltaV Live

"This four-hour course introduces users to Emerson's new HTML5 based HMI (Human Machine Interface) and its various features. This course is designed for Process and Process Control Systems Engineers that create Process Graphics.

Users learn to identify the Configuration Environment (Graphics Studio) for creating Graphics and the Runtime Environment (DeltaV Live) for viewing those.

Users create a display with datalinks, text, shapes, and animations in Graphics Studio.

The display is then published to make it available for operation from DeltaV Live. They also learn about Graphical Elements (GEMs). This course is an introduction to DeltaV Live and its new terminology."

Control Valve Engineering & Technician

This course is for individuals who specify control valves for industrial processes.

The participant will learn: theory and methods in IEC/ISA control valve sizing and noise standards, applications that fall outside the scope of these standards, analysis and selection of valve designs and materials to satisfy challenges, basic use of the Fisher Severe Service App on their smart phone or tablet.

Sequel to: Size and Select Control Valves for Challenging Processes. This course explains how valves and actuators function and how they are installed and calibrated.

It emphasizes installation, troubleshooting, parts replacement, and calibration of control valves, actuators, and digital valve controllers.

Troubleshooting WirelessHART Networks

Troubleshooting something you can see has its challenges, but troubleshooting something you can't see and can't measure with traditional tools can present additional obstacles.

In this session, engineers and technicians will learn, by presentation and demonstration, the fundamentals and planning of WirelessHART® communication networks, terminology, and how to navigate the Wireless Gateway User Interface to find the parameters for maintenance and troubleshooting of those wireless sensor networks.

Syncade Manufacturing Execution System (MES)

This short course aims to equip the students to understand where Syncade fits on a production environment.

This provides an overview of the different modules that Syncade has in a manufacturing environment. These modules are Security & Audit (SA), Document Control & Archiving (DCA), Training & Development (TD), Equipment Tracking (ET), Materials and Inventory Management (MM & IM), Order Management (OM), Weigh & Dispense (WD), and Quality Review Manager (QRM). This course also allows the students to build a basic recipe to be created via Recipe Authoring (RA) application and simulate it via Workflow (WF).

Biffi ICON 3000 electric actuator controlled by AMANAGER

ICON3000 electric actuator overview. Startup and main parameters setting with the local push buttons. Introduction of the free-of-charge Amanager software. Amanager training includes a wireless set-up (that allows you to perform a simple setting) and enables you to perform diagnostics.

An overview of Emerson/Biffi School of Actuation will be also covered to let students know of pistons electric and hydraulic actuators learning paths and skills development programs available.

Enhance guided wave radar level measurements: functions and to set up best practices

This short course starts with interactive exercises on echo curve for GWR and continues with tips and tricks on how to use advance functions with remote demos from Interactive Plant Environment.

Scenarios on Vapor and DVC as well as verification reflector will be covered.

Plantweb Insight Applications and Usecases

Plantweb Insight is Emerson's software platform for simple pre-configured analytics of many different assets, including steams traps, PRV's, pumps, heat-exchangers, WirelessHART networks and sensor power module management.

DP Flow Measurement Fundamentals – Sizing and Utilizing New Technologies

This short course will cover basic DP Flow principles including sizing, primary element and transmitter selection, installation, and troubleshooting. Also included are best practices for DP flow measurement such as reducing straight run and pressure loss, enhancing accuracy, or selecting the most cost effective instrument for the application. Course time will be primarily spent hands-on with flowing demos and group activities designed to mimic real world conditions.

Coriolis flow measurement fundamentals and best practices.

Get ready for a hands-on adventure! Dive into the essentials of Coriolis mass flow measurement in this dynamic course. Boost your skills as you configure the device using the ProLinkIII configuration software and discuss best installation practices with our experts.

But that's not all – master diagnostic tools such as ProcessViz and Smart Meter Verification to ensure your sensor is in peak condition. It's not just a course; it's an immersive journey into the heart of measurement excellence!

Digital Valve Controller Calibration & Diagnostics

Configure and calibrate FIELDVUE instruments on Sliding Stem and Rotary Valve / Actuator, using Trex Communicator and ValveLink software. FIELDVUE Instrument Installation - Configuration and Calibration - Introduction to ValveLink - ValveLink Tag and Database Issues - ValveLink Diagnostics - ValveLink Performance Diagnostics

AgileOps Operations Management Software

This short course is specifically designed to help students realize the benefits of optimal dynamic management of your control system with Emerson's AgileOps software.

The course includes hands-on workstations with access to a live AgileOps system, allowing students to fully understand the ease of use of AgileOps to eliminate alarm floods and meet ISA 18.2 KPI performance metrics.

and more



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Sessions and Schedules submitted to changes depending on registration and availability. Scan for instructions on how to register and get involved.

