

2009 *PROCONEX* Educational Course Catalog

**Focus
On
Your
Future**



PROCONEX[®]
Providing Process Control Expertise



PROCONEX main office
and training facility,
Royersford, PA

Welcome to PROCONEX Educational Services.

We are proud to provide you with the most intense process control learning experience in the tri-state area. *PROCONEX* customized curriculum and Emerson's highly qualified instructors are dedicated to helping you gain the competitive advantage necessary in today's changing world of process automation.

The combination of leading-edge technology and top-quality equipment allows *PROCONEX* to offer a hands-on learning experience that will leave you confident to apply your classroom knowledge in your daily environment.

Our state-of-the-art training facility is located in Royersford, PA. This facility allows for high-level, hands-on training in a comfortable, relaxed atmosphere. Wireless access is here! The *PROCONEX* training facility has a wireless hot spot to allow visitors easy Internet access via our guest network.

Every member of the *PROCONEX* team strives for premier customer satisfaction. Please feel free to let us know if there is any area that we can improve to make your next experience with *PROCONEX* more rewarding.

We look forward to having you as a visitor in our facility.



REGISTER
NOW!

2009 Control Systems Courses

DeltaV Implementation

This course covers a complete DeltaV system implementation. Upon completion of this course, students will be able to define nodes, configure continuous and sequential control strategies, operate the system and define users and security.

January 26–30, June 8–12 or
September 14–18

Course 7009 \$3395.00

DeltaV Batch Implementation

This course covers a complete DeltaV batch application. Students will use DeltaV Batch software to configure recipe entities including, Aliasing, Phase Logic, Operations and Unit Procedures. Equipment entities will also be configured including, Unit Modules and Process Cells.

Prerequisite: Course 7009

February 2–6, June 15–19 or
September 21–25

Course 7016 \$3395.00

Did you know?

AMS Device Manager and DeltaV work together to deliver a seamless user interface in an integrated operating environment.

You can:

- Achieve system-wide device alerts and automated documentation using Alert Monitor and Audit Trail
- Decrease overall system commissioning and interlock verification time
- Improve operations and maintenance effectiveness.

To learn how you can utilize the combined power of AMS Device Manager and DeltaV contact Ed Smigo.

Customized Training

The Educational Services Department can customize any course to suit your needs, and bring the training directly to your facility.

Please contact Ed Smigo,
610-495-2705,
for further information.

The Ultimate HANDS-ON EXPERIENCE! DeltaV Operator Training

The DeltaV Operator Training Simulation is a real-life extension of our existing instructor led courses. This simulation exposes operators to what they will experience in their actual control room. We provide customized curriculum related directly to your plant with a simulator using your own database, system configuration, and the actual graphics that appear on your control monitors. This offline training does not affect the process, nor endanger the integrity of your control system.

The Result?

- Smoother Start-Ups
- Reduction in Operator Error
- Reduction/Elimination of Product Loss
- Improved Product Quality
- Reduction/Elimination of Regulatory Violation
- Reduction in Incident Reporting
- Operator Acceptance

Early planning is essential for the most effective operator training simulation. For more information, please contact Ed Smigo at 610-495-2705.

REGISTER
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2009 Control Valve Courses

DVC Calibration and Diagnostics with Valvelink

This course provides hands-on experience with FIELDVUE instrumentation and AMS ValveLink Diagnostic Software. Learn how to execute ValveLink Diagnostic routines and create an instrument database. Explore HART multiplexer technology.

- Install and mount a DVC6000 series positioner onto both Sliding Stem and Rotary Actuator/Valves
- Configure and calibrate FIELDVUE Instruments with the HART Model 275/375 Communicator as well as with Valvelink

April 1-3

Course 1405 \$1795.00

Control Valve Sizing

This course explains how to select the correct control valve, actuator and accessories to operate through a full range of process conditions. The session will also include a review of severe service applications such as large pressure drops, high noise, high temperature steam, and the appropriate control valve for these more difficult applications.

April 16

Course PCX-2 \$250.00

AMS Intelligent Device Manager

Completing the exercises which make up the AMS Device Manager training modules provides the quickest route to productive use of the AMS Suite of software. The training exercises focus on skills required by engineers and technicians, and are based on real-world tasks. Modules include, Configuring and Using AMS Device Manager, AMS System Administration, and AMS SNAP-ON Applications.

March 17-19 or August 4-6

Course 7020 \$2095.00

Valve Technician I Short Course

This hands-on workshop explores functionality, installation, and calibration of valves and actuators. Installation, troubleshooting, parts replacement, and calibration of control valves, actuators and positioners, will be emphasized. Learn how to:

- Correctly perform installation procedures
- Perform basic troubleshooting
- Properly apply and calibrate positioners
- Change valve trim, gaskets and packing

March 24-27

Course 1404 \$2395.00

QuickCheck AMS Device Manager SNAP-ON

QuickCheck allows you to:

- Correctly accelerate interlock check-out during plant commissioning
- Reduce commissioning time when testing SIS voting
- Read and export as-built configuration information
- Gain real-time information from the AMS Intelligent Device Manager

This course is an e-learning event offered online.

Course PCX-5 \$395.00



**REGISTER
NOW!**

2009 New Courses

AMS Intelligent Device Manager: One Day

This one-day course is designed to provide you with some tips and tricks to help you utilize AMS Intelligent Device Manager to ensure smooth transitions, effectively maintain instruments and valves and avoid unnecessary costs. Course topics include:

- Ease of IT integration
- Going Online with AMS
- Going Wireless with AMS
- SNAP-ON Applications
- Access to meter health diagnostics
- Instrument and Valve Management
- Foundation fieldbus functionality
- AMS Device Manager Web Client

March 16 or August 3

Course PCX-6 \$750.00

Fieldbus Device Implementation with DeltaV and AMS Intelligent Device Manager

This two day course will provide hands on experience in commissioning, maintaining and diagnosing Foundation Fieldbus and AS-i bus architectures and instruments. The course will cover the physical layer, wiring and installation, as well as the commissioning and replacement of Foundation Fieldbus and AS-I devices with DeltaV and AMS Device Manager. There will be two back to back sessions provided to allow you to split workforce between sessions to accommodate plant coverage. Select either the Tuesday-Wednesday or the Thursday-Friday session when registering.

February 10–11 or February 12–13

Course 7034C \$2,995.00

2009 Regulator Courses

Regulator Sizing Courses

These sessions will review the different styles of regulators and how they are best applied in process applications. The courses will cover regulator sizing procedures, installation practices and regulator stability. The discussions will include a review of:

- Self-operated vs. Pilot-operated
- Overpressure protection
- Series regulation
- Monitors
- Slam shut options
- Relief valves
- Regulator failure analysis and troubleshooting

Gas Regulator Sizing \$350.00

April 22 Course PCX-3

Industrial Regulator Sizing \$350.00

April 23 Course PCX-1

Gas Regulator Technician

This course is designed for technicians responsible for the installation and maintenance of regulators and relief valves. Emphasizing intense hands-on training, this course teaches students to install, troubleshoot and adjust gas regulators and relief valves.

May 6–8

Course 1101 \$1895.00



*Versatility
High Speed Response
Easy Maintenance
Safe Operation*

PROCONEX Education Services

Registration

Registering for educational training with *PROCONEX* is easy!

Simply visit www.proconexdirect.com/training.htm
to register within a matter of minutes.

Shortly after registering, you will receive an enrollment confirmation and welcome packet. For phone inquiries, please contact our education coordinator at 610-495-1835.

Payment Methods

Accepted methods of payment are credit card, check, or purchase order. Payment must be received prior to scheduled class date.

Cancellation and Transfer Policy

We reserve the right to cancel or reschedule a school, up to 21 calendar days prior to the start date. If you must cancel your enrollment, we require 14 days advance notice, or you will incur a charge of 50% of the tuition fee. Full tuition is charged for failure to attend class without prior notice. Substitutions are permitted anytime at no charge.

Inclement Weather Policy

In the event of inclement weather, please call *PROCONEX* at 610-495-1835. There will be a message on the answering system to inform you if the office will be closed for the day.

Stay in the LOOP

Visit www.proconexdirect.com/training.htm to join the educational services mailing list for course additions and updates.



Customer Survey

Please be sure to fill out your education services survey, and let us know if there is any area we can improve to make your next learning experience with *PROCONEX* more satisfying.

PROCONEX Education Services Department



Ed Smigo, Director of
Information Technology

Ed Smigo is a true Process Control Expert. Ed has been employed by *PROCONEX* for the last 28 years. He has a very high level, technical, understanding of process control systems and equipment. Ed has been heading the education services department for the last 20 years. He was previously the District II Education Chairman for the Philadelphia section of the ISA. Prior to Emerson Process Management's local school offering, Ed was involved in training delivery for DCS courses.

Ed directs course development, handles planning and execution, and determines the market needs to deliver a training program that is bar none, the best in the tri-state area for process control.



Receive quality education from Emerson Process Management's top-notch instructors. The certification program for instructors, courseware and training hardware ensures you of knowledgeable and skilled trainers delivering current information on state-of-the-art equipment. For a further listing of educational courses, please visit: www.emersonprocess.com/education.

Focus On Your Future

with further learning opportunities offered by
PROCONEX and Emerson Process Management.



Factory Training

Emerson Process Management hosts Factory Training courses in which the student will attend class in our fully equipped training laboratory. Our courses include small group hands-on sessions, one-on-one time with instructors, and a facility tour. Our workshops are simply the best investment you can make today in your employees and your business.



PlantWeb University

PlantWeb University is an online learning center that facilitates your understanding and evaluation of new ways to improve project, process, and plant performance. Plantweb University offers dozens of courses, white papers, and other resources. Simply choose the topics that are of interest to you. For more information, visit www.emersonprocess.com.

www.proconexdirect.com/training.htm

Focus On Your Future

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