

Process Control Valves and Actuators

Sizing, Selection, Installation & Maintenance

27 - 31 October 2019

08 - 12 December 2019

16 - 20 February 2020

Dubai, United Arab Emirates



21-MAR-19



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Training Course Overview

Grab the opportunity to attend an exciting course that equips you with all the necessary knowledge to enter the world of valves and actuators. The training course is highly interactive, and is suitable for all delegates, regardless of their background. Whether you are part of the team purchasing the valves, or a key member involved in implementing maintenance activities, or a process control specialist, this is the one training course that you should not miss out on! Valves, actuators, associated equipment, process control using valves – this and much, much more are covered in 5 knowledge-filled days.

The training course focuses on applications and examples deemed to be relevant to your industry and is cognizant of your working environment. At least 50% of the workshop is devoted to practical exercises and discussions, to keep attention spans at optimal levels.

Training Course Objectives

By attending this COPEX training course, you should achieve these goals:

- Comprehend valve operation
- Understand and appreciate assorted common valve types
- Size and select the correct valve set (including actuators), suited to each specific application
- Choose suitable positioners, based on prevailing conditions
- Use multiple techniques to tune a valve-controlled process



Training Course Outline

Among a range of valuable topics, the following will be given high priority:

- Control valve purpose and principles
- Flow conditions and pressure drops inside a valve
- Valve selection, valves in P&IDs and Valve leakage
- Valve characteristics (including equal percentage, linear, etc.)
- Valve sizing, using software
- Actuators, and the choices available
- Introduction to process control
- The PID controller, open-loop tuning, closed-loop tuning and trial & error tuning
- Valves in cascade loops, valves in ratio loops and valves in non-linear loops
- Valves in loops with long time delays and valves used in conjunction with PLCs
- New innovations in control valve technology

THE CERTIFICATE

- Copex Certificate of Attendance will be provided to delegates who attend and complete the course

Designed For

This COPEX training course is suitable to a wide range of professionals but will greatly benefit:

- Instrumentation, Electrical, Mechanical, Process and Maintenance Engineers, Specialists and Staff
- Management
- Design Teams
- Budgeting and Financial Staff
- Team Leaders, Supervisors and Foremen



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Date	Venue	Fees (USD)
27 - 31 Oct 2019	Dubai, UAE	\$4,950
08 - 12 Dec 2019	Dubai, UAE	\$4,950
16 - 20 Feb 2020	Dubai, UAE	\$4,950

This fee is inclusive of Documentation, Lunch and Refreshments and maybe subjected to 5% VAT.

REGISTRATION DETAILS (PLEASE USE BLOCK CAPITALS)

Salutation: First Name: Last Name:
Designation: Company:
Tel No.: Mobile No.: Fax: E-Mail:
Mailing Address:
City: Country: Zip Code:

AUTHORISATION (AUTHORISED BY)

Salutation: First Name: Last Name:
Designation: Company:
Tel No.: Mobile No.: Fax: E-Mail:
Mailing Address:
City: Country: Zip Code:

MODES OF PAYMENT

Please Invoice My Company

Please Invoice Me

Cheque Payable To Copex

Hotel Accommodation

Hotel accommodation is not included in the Registration Fee. Special rates and limited number of rooms are available for attendees wishing to stay at the hotel venue.

Please make your request for accommodation at least 3 weeks prior to the commencement of the course.

Cancellations & Substitutions

Cancellation must be made in writing 2 weeks prior to the commencement of the course. A service charge of US\$ 250 will be applicable. Thereafter, full payment is required, but a substitute delegate is welcome at no extra charge.

copex

Your Strategic Partner in Talent Development

Tel: (+971) 4 3616397

Fax: (+971) 4 3686886

Email: info@copex.ae

Website: www.copex.ae

P.O. Box: 74513

Dubai, United Arab Emirates