ENERO solutions

PROCESS DYNAMICS AND ADVANCED MODEL-BASED CONTROL TRAINING
- Loop Tuning and Advanced Regulatory Control
- Introduction to Multivariable Model Predictive Control

Experience our industry-leading expertise in **process control**

- Expertise in multi-industrial process control
- Over 230 projects completed
- Virtual process simulators
- Customized advice

OVERVIEW

This training provides a comprehensive blend of theory and hands-on practice, using virtual simulators and real industry cases to delve into process control regulation.

This training provides you with the opportunity to enhance your technical skills, tackle real-world challenges, and apply your knowledge directly to your professional environment.

Join us to advance your expertise and master the tools needed for effective problem-solving in process control.

More details on the second page

DATES

From September 16 to September 18, 2024

+MPC Primer training on September 19, 2024

LOCATION

Enero Solutions - 420 rue Guy, Montreal

INSCRIPTION

Contact : sales@enerosolutions.com

Cost: $2,640
Cost with MPC Primer training: $3,340
Cost for MPC Primer training only: $900

INTENDED AUDIENCE

Anyone looking to expand their expertise in troubleshooting and interventions related to process control problems.

CONTACT US

sales@enerosolutions.com   www.enerosolutions.com

Your ally for process optimization
Your efficiency expertise partners

PROGRAM :

DAY 1:
- Introduction to Process Variability and Control
- Introduction to Process Regulation
- Understanding of Different Process Dynamics

Exercises on a **Virtual Process Simulator*** to Analyze Process Variability

DAY 2:
- Continued Understanding of Process Dynamics
- Overview of PID Loop Tuning, Optimal Variability Reduction, and Lambda Tuning Method (IMC)
- Introduction to Control Loop Performance and Strategies

Exercises on a **Virtual Process Simulator*** to Tune Various PID Loops

DAY 3:
- Advanced Control Strategies (Cascade, Feedforward, Adaptive Control, etc.)
- Process Troubleshooting, Variability Analysis, and Problem-Solving

Exercises on a **Virtual Process Simulator*** to Implement Advanced Strategies

DAY 4 (optional): Multivariable Model Predictive Control (MPC) Primer
- Overview of MPC technology, structure and functionality
- Explanation of MPC implementation, tuning and performance enhancements

Examples of using small, fast MPC's embedded in the DCS to produce great ROI

*Our simulator is specially designed to provide you with a virtual environment featuring processes, allowing you to visualize and practice the various concepts covered.

INSTRUCTORS:

VAL PARISIEN
Senior Technical Lead, Process Performance
Enero Solutions

8 YRS OF EXPERIENCE
in advanced process control and optimization
Expertise in :
- Energy process simulation, advanced control, and process optimization (thermal power plant and steam network, combustion equipment, industrial processes, pipeline and pumping station, programming)

JAMES BEALL
Principal Advanced Controls Consultant
Enero Solutions

42 YRS OF EXPERIENCE
in advanced process control and optimization
Expertise in :
- Automation and Process Control Engineering, Instrumentation and Control Valve Optimization, Advanced Regulatory and Multivariable Control, Control Project Implementation and Consulting, Production and Energy Efficiency Improvements, Advanced Loop Tuning and Troubleshooting

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