



# 2010 Educational Seminars



## RSVP

Please indicate which seminars you would like to attend (choose all that apply):

### MEASUREMENT ~ NO CHARGE!

- Tue., Apr.27th 2010 ~ 8:00am-5:00pm
- Tue., Nov.23 2010 ~ 8:00am-5:00pm

### CONTROL VALVES ~ NO CHARGE!

- Wed., Apr.28th 2010 ~ 8:00am-5:00pm
- Wed., Nov.24th 2010 ~ 8:00am-5:00pm

### REGULATORS ~ NO CHARGE!

- Thu., Apr.29th 2010 ~ 8:00am-12:00pm
- Thu., Nov.25th 2010 ~ 8:00am-12:00pm

### OR REGISTER ONLINE:

[www.norpaccontrols.com/training/local\\_training](http://www.norpaccontrols.com/training/local_training)



### RSVP to Amanda MacKenzie

PHONE: 604.422.3716 • FAX: 604.422.3788

EMAIL: [amack@norpaccontrols.com](mailto:amack@norpaccontrols.com)

Dear Customer,

If you are new to engineering or specifying instrumentation, then we invite you to join our Application Engineers, Technical Specialists and other NORPAC staff as we present a series of educational seminars focusing on theory, technology and application with respect to:

- Pressure, Temperature and Level Measurement
- Flow Measurement
- Liquid Analysis and Gas Analysis
- Control Valves, Actuators and Positioners
- Valve Automation
- Instrument Diagnostics
- Regulators

There are three separate seminars being presented, beginning on April 27th at NORPAC Controls in Burnaby, BC. You are welcome to attend any combination of seminars best suiting your needs.

All seminars are being provided to you at NO CHARGE and include breakfast & lunch.\*

\*Please specify any dietary concerns when registering

If you have any questions, please feel free to contact me via e-mail at:

[amack@norpaccontrols.com](mailto:amack@norpaccontrols.com)

Sincerely,

*Amanda MacKenzie*

Amanda MacKenzie

Education Coordinator

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# 2010 Educational Seminars

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You are welcome to attend one, all, or any combination best suiting your needs.

## Measurement

Tuesday, April 27th, 2010 ~ 8:00am - 5:00 pm

Tuesday, November 23rd, 2010 ~ 8:00am - 5:00 pm

- Pressure measurement theory
- Pressure transmitter selection
- Flow fundamentals
- dP flow theory
- Velocity flowmeter technology & application
- Coriolis flowmeter theory & installation
- Flow best practices

- Level and temperature fundamentals & technology
- Liquid and gas analysis
- Instrumentation installation requirements
- Instrumentation specification
- Instrumentation diagnostics

## Control Valves

Wednesday, April 28th, 2010 ~ 8:00am - 5:00 pm

Wednesday, November 24th, 2010~ 8:00am - 5:00 pm

- Fundamentals of control valve selection
- Globe valve and actuator design overview
- Rotary valve and actuator design overview
- Control valve positioners
- Instrumentation diagnostics

- Aero and hydrodynamic control valve noise
- Flashing and cavitation
- Liquid and gas sizing
- Fundamentals of automated on/off valves

## Regulators

Thursday, April 29th, 2010 ~ 8:00am - 12:00 pm

Thursday, November 25th, 2010 ~ 8:00am - 12:00 pm

- Fundamentals of direct operated and pilot operated regulators
- Regulator application to various process media
- Regulator sizing and selection
- Methods of overpressure protection and the associated benefits

- Overview of available resources including Fisher Regulator CD and website
- Best practices and troubleshooting tips

For the latest course announcements visit our web site: [www.norpaccontrols.com](http://www.norpaccontrols.com)

