



Short Course #2

Process Control

WEDNESDAY May 27, 2020

A full-day Short Course presented by Spartan Controls in association with the PACWEST Conference

COURSE INSTRUCTORS

This course will be presented by

**Chris Roberts, M.Eng., P.Eng., Senior
Advanced Process Control Engineer**

Chris Roberts has a BAsC in chemical engineering and a MEng in Pulp and Paper engineering. With over 32 years of process control experience primarily focused on advanced process control of kraft mill fiberlines, Chris has executed a variety of advanced controls projects for kamyir digesters, brownstock washing systems, bleach plants, and pulp machines for kraft mills in Western Canada.

**Carl Sheehan, P. Eng., Senior
Advanced Process Control Engineer**

Carl has a BEng in electrical engineering and holds a Diploma of Technology in Electronics Engineering (Instrumentation and Control). Carl has successfully deployed advanced process control solutions for the past 22 years in various process industries including Pulp and Paper, Oil Sands, and Mining.

WHO SHOULD ATTEND?

This course has been designed for new and experienced pulp mill and supplier personnel who would benefit from both an introduction and deeper understanding of Process Control and Engineering.

COURSE DESCRIPTION

This one-day workshop is an introduction for anyone in the process industry interested in the fundamentals of process control and instrumentation. The course starts with an overview of the specific instrumentation and technologies included in the typical feedback control loop, their application, and operation and then progresses to more advanced topics related to PID control strategies. Upon completion of this course the attendee should understand the operation of measurement instrumentation, control valves, actuators, and controllers as well as a basic understanding of the HART and Fieldbus protocols

Learning outcomes:

- Measurement instrumentation
- Control valves and actuators
- PID controllers
- Advanced PID controller tuning techniques
- Advanced control strategies:
 - Cascade control
 - Feedforward control
 - Ratio control
 - Gain scheduling
 - Override control

REGISTRATION: Register for Short Courses and the PACWEST Conference 2020 online, through our website: www.pacwestconference.ca

REGISTRATION FEE: \$275.00

ACCOMMODATION

Reservations at the Fairmont Jasper Park Lodge can be made directly from the REGISTRATION page on the PACWEST website by following the link or by calling the hotel directly at 1-780-852-3301 to obtain conference group rates.

CANCELLATION POLICY

Each course is based on a minimum attendance. In the event this minimum is not reached, PACWEST and the Course Leader reserve the right to cancel, postpone or amend the course accordingly. If that happens, all registration fees would be refunded. PACWEST and the Course Leader's liability are limited solely to the refund of the Short Course registration fee.

ADDITIONAL INFORMATION

For further information on the Course:

Al Parsons; al@bancroftwestern.com

For further information on Registration:

info@pacwestconference.ca