



# TECHNIQUES FOR APPLIED PROCESS CONTROL

Learn How To: Tune PID Controllers, Optimize Plant Performance

Your facility relies on closed loop process controllers from a wide variety of manufacturers to deliver product and profit. Studies show that 65% of all controllers are poorly tuned. Properly tuned controllers can deliver significant economic benefits, including:

**Increase Production Throughput (2% - 5%)**

**Increase Production Yield (5% - 10%)**

**Decrease Energy Consumption (5% - 15%)**

**Decrease Production Defects (25% - 50%)**

Join **Control Station** and **Werner Electric Supply** for a two-day interactive training and skills development workshop. Ideally suited for technicians and engineers, this workshop covers proven best-practices for diagnosing process dynamics and tuning PID controllers. The workshop is hands-on and prepares participants to make an immediate impact to production control and overall plant performance.

## DATES & LOCATIONS

**Tues., December 4 – Wed., December 5, 2018**

8:00 a.m. - 5:00 p.m.

**Werner Electric Supply • Appleton**

4800 W. Prospect Ave.

Appleton, WI 54914

**COST - \$1,650/person** (includes lunch)

## WHO SHOULD ATTEND

**Technicians & Engineers.** Workshops are designed for practitioners. This is a two-day, hands-on workshop ideally suited for individuals who maintain their plant's critical process control investments.

## WHAT YOU WILL LEARN:

**Proven Techniques & Best-Practices.** Content focuses on practical knowledge and proven techniques. Participants first learn how to determine process dynamics. By analyzing those values students will then determine the proper gains for the PID algorithm which result in improved loop performance.

## HOW DO WE TEACH

**Hands-On & Interactive.** Control theory is complex, so our approach to training is simple: focus on the application of techniques rather than on the derivation of formulas. These techniques are applicable to any manufacturer's process controller allowing you to optimize performance across your entire manufacturing facility.

## WHO ARE THE INSTRUCTORS?

**Experienced Practitioners.** Instructors bring practical experience and subject matter expertise. They are skilled instructors who will help you to understand and optimize your facility's PID controllers.



**Register Today! Space is limited. [wernerelectric.com/events](http://wernerelectric.com/events)**