2014 ISA Water/Wastewater and Automatic Controls Symposium

August 5 to 7, 2014.......Crowne Plaza Orlando-Universal Hotel......Orlando, Florida, USA
Presented by the ISA Water/Wastewater Industries Division – www.isawwsymposium.com
Technical co-sponsors: Florida AWWA Section, the WEF Automation and Info Tech Committee,
Florida Water Environment Association, Instrumentation Testing Association, and ISA Tampa Bay Section

August 4-5, 2014 - Optional Short Course

Troubleshooting Instrumentation and Control Systems

ISA Course TC10

Course Description

Length: 2 days

Date: Mon-Tues, August 4-5, 2014

CEU Credits: 1.4

Course Hours: 8:00 a.m. – 4:00 p.m., includes lunch both days

Price: \$1,305 for ISA Members, \$1,630 List

Course Schedule

DAY	Topics, Exercises, Etc.	Time
Day 1	Course Introductions	
A.M.	Pre Instructional Survey	0.25 hours
	Section 1- Troubleshooting techniques	1.50 hour
	Section 2 – Review of Diagrams & Symbols	0.75 hour
	Section 3 Common Problems	1.00 hour
Day 1	Application Exercise 1	1.00 hour
P.M.	Overview of Portable trainer	0.50 hours
	Laboratory Exercise 1	2.00 hours
Day 2	Review/questions from daily progress report	0.25 hours
A.M.	Section 4 Troubleshooting Safety	0.25 hours
	Section 5 Startup	0.25 hours
	Laboratory Exercise 2	2.00 hours
	Section 6 Digital Communications	0.50 hour
	Section 7 Digital Control Systems	0.50 hour
Day 2	Laboratory Exercise 3	2.00 hours
P.M.	Section 8 Multi-Loop Systems	0.50 hour
	Section 9 Interlocks and Safety Systems	0.50 hours
	Post Instructional Survey	0.25 hours
	Final Course Evaluation	
		14 hours =
		1.4 CEUs