

NorCal TECH 2007 – May 1 & 2, 2007

California Maritime Academy, Vallejo, CA

The Northern California Section of ISA Presents the Third Semi-Annual Technical Conference & Exhibit on the first Tuesday and Wednesday in May 2007. This conference features technical presentations of real world problems and solutions, technical training with Continuing Education Units (CEU's), Exhibitor Displays, Continental Breakfast and Lunch each day, and a reception on Tuesday evening with outstanding hors d'oeuvre, wine, beer, and soft drinks. Plus Free All Day Parking.

**ALL THIS IS INCLUDED IN THE TWO-DAY ADMISSION PRICE OF
\$95**

Save the dates – Get approval to attend and participate early

Event Chair: Bill Deutschlander 925.313.5628
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Session Developers:

- Wireless & Communications – Craig Johnson 415.808.2469
 - e-mail: craig@clippercontrols.com
- Energy Conservation/Efficiency – Charlie Middleton 415.973.4008
 - e-mail: CEM6@PGE.com
- Security – Robert C. Webb, P.E. 650.701.1980
 - e-mail: rcw4@ix.netcom.com
- Process Analyzers – Bill Deutschlander 925.313.5628
 - e-mail: deutsch748@aol.com
- Process Control & Final Elements – Brad Rupert 510.262.1883
 - e-mail: Brad@acs-sf.com

If you know someone that has had an experience they would like to share with their fellow professionals please have them get in touch with the appropriate session developer or Bill Deutschlander. The past two events have been a huge success from a technical perspective. Those that attended were pleased with the programs and the presentations. Those that did not attend the 2007 NorCal TECH complained that they did not have enough advance notice to get permission to attend.

The above "Technical Tracks" will have a minimum of four sessions each plus we will be soliciting input for training class subjects during the next three months. The ISA NorCal Section has several one-half day and full-day classes ready for presentation at this Conference. There are also several other classes in the final stages of development that could be available if there is sufficient interest. Please respond to ISA NorCal Section e-mails requesting your input regarding training classes.

Advanced registration is recommended. Tickets will be available on the ISA NorCal website www.isanorcal.org.

Exhibit tables will be available for sale; certain conditions will apply. Reserve your table early to get a good spot. Contact Bill Deutschlander.

1st May	Conference Sessions					
	The Big Tent	Wireless & Communications	Security	Process Analyzers	Process Control and Final Elements	Training Sessions
8:00 AM	Registration Opens Breakfast/Coffee Available	Session Developer Craig Johnson Clipper Controls	Session Developer Robert C. Webb, P.E. Consultant	Session Developer Bill Deutschlander WorleyParsons	Session Developer Brad Rupert ACS, Inc.	
9:00AM to 10:15AM		Wireless Basics	Identifying threats to your Automation System	Fundamentals of pH measurement and pH sensors	Valve Positioner Fundamentals	PLC Basics Starts at 8:45 am Break 10:15 to 10:30
10:15AM	Coffee Break					
10:30AM to 11:45AM		Smart Wireless Gateways	Building a Security Program	TOC Analysis and Applications	Control Valve selection and application	
11:45 AM	Lunch					
1:00PM to 2:15PM		SP100 and development of a Wireless Standard	Vulnerability and Risk Assessments	Modular Sample System Design using NeSSI	Lessons Learned: Control Valve Sizing	PLC Basics Continues
2:15 PM	Break					
2:30PM to 3:45PM		Wireless Shootout panel discussion	Technologies for mitigation of Security Risks	Optical DO measurement	Flow Technology Roundtable	
3:45 PM	Exhibits Open					
4:30 PM	Welcome					
5:15 PM	Bar Open					
5:30 PM	Food Service					
7:30 PM	Food & Bar Close					
8:00 PM	Close For the Evening					

2nd May	Conference Sessions					
	The Big Tent	Wireless & Communications	Energy Conservation/Efficiency	Process Analyzers	Process Control and Final Elements	Training Sessions
8:00 AM	Registration Opens Breakfast/Coffee Available	Session Developer Craig Johnson Clipper Controls	Session Developer Charliee Middleton PG&E Utility	Session Developer Bill Deutschlander WorleyParsons	Session Developer Brad Rupert ACS, Inc.	
9:00AM to 10:15AM		Overview of Honeywell Raptor	Lessons-Learned from Energy Efficiency and Demand Response Audits and Projects in California	Excess Oxygen and CO Control of Furnaces	Specifying Safety Shutdown Systems	
10:15AM	Coffee Break					
10:30AM to 11:45AM		Wireless HART	Automated Demand Response Technologies	Sample System Design for Process Analyzers	Asset Management	
11:45 AM	Lunch					
1:00PM to 2:15PM		Profibus Basics	Efficient Gas Technologies and Best Practices	Photometers vs. Spectrometers	VFD's for Final Control	
2:15 PM	Break					
2:30PM to 3:45PM		Fieldbus Wiring Issues	PG&E Energy & Solar Programs and Tool Lending Library	Fundamentals of Color Measurement	Variable Speed Pumps for use in Control	
4:00 PM	Break					
4:00PM to 5:15PM		Wireless Ethernet		What exactly is Turbidity measuring?	Level Technology	