ISA NorCal Tech 2009

5th May	The Big Tent	NorCal TECH 2009 Conference Sessions			NorCal TECH 2009 Conference Sessions		
		Wireless & Communications	Safety & Security Systems	Process Analyzers	Process Control and Final Elements	Process Automation	Energy - Conservation, Efficiency, Renewable
8:00 AM	Registration Opens Breakfast & Coffee Available	Session Developer Craig Johnson Clipper Controls	Session Developer Bryan Singer Kenexis	Session Developer Bill Deutschlander Consultant	Session Developer Brad Rupert Caltrol	Session Developer Brian Thomas	Session Developer Charlie Middleton PG&E
8:45AM to 9:45AM		Frequency Shootout: What to use where	US Department of Homeland Security's (DHS)	CO & O2 measurement with tuneable diode lasers	Flow Panel DP, Mag, Vortex, Corilois	Accessing Diagnostics and Device Parameters of Smart Instrumentation with FDT Technology	Integrated Energy Efficiency, Demand Response and Self-Generation
9:45AM	Coffee Break						
10:00AM to 11:00AM		Emerson TBD	This is an all day session	Eric Wallace - Seimens To Be Announced	Control Valve 101	Weighing system's accuracy factors; overview on installation & operation; a worst-case accuracy calculation will be reviewed	Automated Demand Response, Energy Management & Metering
11:00am to Noon		Wireless HART TBD	US Department of Homeland Security's (DHS) training for industrial control systems security.	Gas detection, Sensor selection fundamentals	Smart Valve Positioners Time to start using diagnostics	Building automation & process control communication gateways interfacing multiple drivers and devices together	Automated Demand Response, Energy Management & Metering (cont.)
Noon	Lunch						
1:15PM to 2:15PM		Ins and outs of 900mHz Wireless I/O	This training material was prepared by DHS's Control Systems Security Program. It will provide training for industrial for industrial control systems and the use of ISA 99	Overview of optical technology for DO measurement	Level Panel DP, Ultrasonic, Radar-guided and through air, Laser	How FDT Technology Interfaces with Major Fieldbus Networks	Solar Electric & Water Heating, Cogeneration
2:15PM to 3:15PM		Heat Tracing - Electrical & Steam Tracing and Control Systems. By Jeff Petersen		How to chose the right Moisture Sensor	DTM's Streamline Asset Management for Final Control Elements	2PM – 4PM Session Process automation roundtable with PAC manufacturer (Rockwell), DCS manufacturer (Honeywell), end user (Chevron). Discussion with open question format at end.	Windpower, Water & Wastewater
3:15 PM	Break						
3:30PM to 4:30PM			Industrial Automation and Control Systems Security (continued)	Wireless pH Measurement	Automated Block Valves Design Pro's and Con's Elec vs. Pnue Actuation		Integrated Building Solutions, Pharmaceutical Industry Reliability
2:00 PM	Exhibits Open						
5:15 PM	Bar Open	**Note: The final schedule will be available by April 22, 2009.**			**Note: The final schedule will be available by April 22, 2009.**		
5:30 PM	Food Service						
7:30 PM	Food & Bar Close						
9:00 PM	Close For the Evening						
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6th May	The Big Tent	Training Sessions			
		Safety Instrumented Systems	Control Valve	"Hands On" PLC Taining	Boiler Controls
8:00 AM	Registration Opens Breakfast & Coffee Available	Edward Marszal Bryan Singer Kenexis	Brad Rupert & Wayne Harbert Caltrol	Brian Thomas & Rockwell Automation	Michael Gamburg Cti Controltech & Larry Bergman RF McDonald
9:00AM to 10:15AM		SIS - Tutorial - Part I - The Safety Lifecycle	Control Valve I Half day course	Intro to MicroLogix & Basics of Ladder Logic	combustion, burners
10:15AM	Coffee Break				
10:30AM to Noon		Part II - Safety Integrity Level Selection Techniques	Class Description: Styles & Applications, Sizing, Specifications, Positioners and Maintenance Planning	*Communications Lab Programming Lab:* Inputs, Outputs	boilers, boiler controls
11:45 AM	Lunch				
1:00PM to 2:30PM		Part III - SIL Verification Calculations / Reliability Engineering	open	Programming Lab: Timers, Counters LCD Program	Burner management controls
2:30 PM	Break				
2:45PM to 4:30PM or End		Part IV - SIS Design Issues and Specifications	open	*Programming Lab:* Analog Inputs, Messaging, Online Editing Wrap-Up & Questions	combustion controls