Instrumentation 2008: state of the art products, training

www.instrumentation2008.com

You asked for it - you got it! This year Instrumentation 2008 has more than doubled the number of exhibitors and tripled the number of technical training sessions. Below are fifteen presentations, a partial list. For the latest information, check the website, www.instrumentation2008.com.

PLC Programming: Basic to Advanced (Individualized, all day)
Reid Hogue, Rockwell Automation

Hands on Labs will be available for beginners through advanced programmers. Experience the many capabilities, processing power, networking, and ease of programming of the Rockwell Automation Logix family of Controllers.

Reid Hogue is a senior automation specialist and trainer with Rockwell Automation. He can be reached at (949) 212-4388 or by email at rhogue@ra.rockwell.com. Website: www.ab.com.

Roundtable Discussion: Hot Topics in the Refinery
Sandra Krauthamer, Chevron, and Mitch Dornsife, BP; moderators.

Roundtable discussion centering on the current issues affecting Southern California refineries in the areas of instrumentation and process control, such as flare gas monitoring and "CARB3," the requirement by California Air Resources Board for all west coast refiners to eliminate ethers, including methyl tertiary butyl ether, MTBE, from gasoline.

Sandra Krauthamer is an Analyzer Engineer with Chevron. She received a Bachelor's degree from UC Irvine and a Masters degree from CSU Los Angeles in Mechanical Engineering. She has a PE license in Mechanical Engineering. Mitch Dornsife is a process control engineer at BP. He has a BS in chemical engineering from Long Beach State and a PE license in Control System Engineering. Sandra can be reached at KRTH@chevron.com. Mitch can be reached at Mitch.Dornsife@bp.com. Websites: www.chevron.com; www.bp.com.

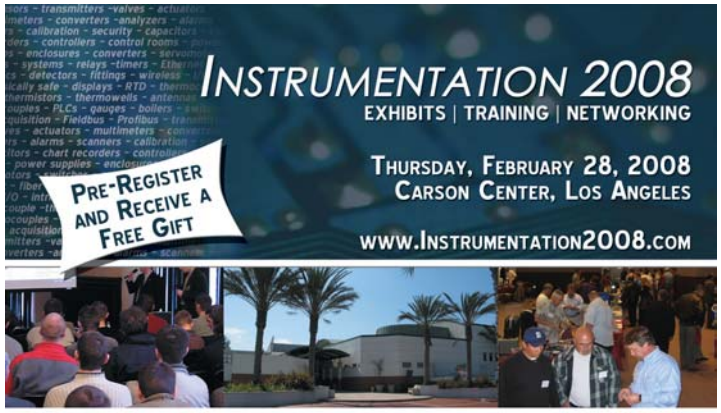
Water/Wastewater: Digitizing an Analog World
P. Lyle Mariam, P.E., Las Vegas Valley Water District

As organizations move away from the use of charts and graphs to digital solutions, engineers must deal with the digitizing of curves and charts for hydraulic analysis software and developing methods to solve iterative equations. Two easy-to-implement examples are pump curve digitization and nonlinear equation solution. A simple method of converting a common pump curve to a set of X-Y data points for input into a hydraulic analysis program or other software. Plus a method for solving complex iterative engineering equations will be presented. This method can be used for equations, such as the friction factor, which cannot be simplified.

Lyle Mariam is a maintenance engineer with the Las Vegas Valley Water District's Asset Management group. He is a registered Professional Engineer in California and Wisconsin, Senior Life Member of ISA and has 40 years of experience in control systems engineering, hydraulic analysis, and developing flow measurement and control software. The District's Asset Management group is responsible for insuring that the District's facilities operate efficiently and plan for facility rehabilitation and replacement. He may be reached at Lyle.Mariam@LVVWD.com or his personal web site, www.FlowGuy.com.

Flow Measurement: Selecting & Specifying the Proper Instrument
Joe Hohn, Dynalectric

Flow measurements are both relatively expensive and among the more difficult instruments to properly select and specify. This class will begin with a discussion of those properties of the application that are significant with respect to selection of a flow instrument. It will follow with a review of the principles of operation of the more common types of flow



instruments and conclude with a discussion of how the application requirements can be used to identify those measurement technologies that are most likely to be successful.

Our instructor will be Joe Hohn, a controls engineer with Dynalectric in San Diego. Joe has 25 years of instrumentation experience, has taught the measurement sections of the ISALA PE review course for over a decade and has a reputation as a knowledgeable and entertaining speaker. Joe can be reached at (858) 518-5718 or by email at JHohn@dyna-sd.com. Website: www.dyna-sd.com.

Calibration Techniques Using Field Calibration Devices
Neil Finch, Pathfinders Instruments

Practical demonstration about the proper methods of using hand-held calibrators of different types. Fluke, Transmation, Altek and other drivers will be demonstrated. Instruction will cover how to use these field devices for calibration and/or loop testing. The types of skills required for the Certified Control System Technician (CCST) exam will be covered, as well as those helpful in the everyday troubleshooting and field repair of instrumentation.

Neil Finch has over 30 years experience in industry and is a professional instrumentation and control instructor, having taught for ISA and nationally for the past 10 years. Most recently Neil completed his fourteenth year at the City of Glendale power generation

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station where he has been instrumentation and lab department supervisor. Neil can be reached at (951) 675-3395 or by email at nfinch@yahoo.com. Website: www.pfinst.com.

Achieve Your Goals with Effective Time Management Strategies
Jennifer Palais, Personal Organizer

Achieve Your Goals with Effective Time-Management Strategies. The average person spends 150 hours each year looking for misplaced information. What would you do with those hours if you could reclaim them and refocus through more effective business practices, time-management strategies and goal structure and maintenance? Perhaps you would: Increase sales, create a marketing plan, solve an existing project challenge, enjoy more time with your family and so much more. Learn some simple solutions for more effective, efficient and even more joyful living.

Jennifer Palais is a professional Personal Organizer with Palais Consulting. Jennifer launched her Personal Organizing business to engage people in creating high functioning spaces in their homes and offices, and to encourage them to foster wholeness in their lives through time-management and goal-setting techniques. Jennifer graduated valedictorian from Loyola Marymount University and through a Rotary Club scholarship she completed her MA at UCD, in Ireland. Jennifer worked in advertising in LA with international clients such as Mitsubishi Motors and DIRECTV before starting her own business. She can be reached at (310) 990-7651 or by email at jen@jenniferpalais.com. Website: jenniferpalais.com.

Effective pH Control Through Intelligent Automation
Kenneth Queeney, Mettler-Toledo Ingold

pH measurement and control plays a critical role throughout the hydrocarbon processing cycle to minimize corrosion and optimize operation performance. Traditional installations have suffered from poor reliability due to sensor coating and aggressive process conditions. The solution for reliable pH measurement uses a unique combined system approach utilizing automatic electrode cleaning and calibration plus sensors with intelligent diagnostics. This combination keeps the sensor in optimum condition, and the "sensor-wear" indicator advises when replacement is due.

Kenneth Queeney is Product Manager with Mettler-Toledo Ingold, Bedford, Massachusetts. He has over 25 years experience with process analytical applications, and has written several papers on these topics. Mr. Queeney holds a BS in chemistry and an MS in environmental engineering. He may be reached at kenneth.queeney@mt.com. Website: www.mt.com.

ISA Los Angeles Section

Instrumentation 2008

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Exhibitors please complete below:
Overview of what you will be exhibiting (limit 10 words) _____

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Will you require electricity? ___ Yes ____No

Exhibiting Personnel

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Space assignment near the following potential Exhibitors should be avoided:
(Please understand, ISALA will try to fulfill all requests, but makes no guarantees)

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Registration and payment MUST by postmarked by above dates to receive discount

Payment Type (please check one): ☐Check (payable to ISA Los Angeles) ☐Credit Card

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An invoice will be sent by email. Do not include credit card number on this form.
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Please send your completed form and payment to:

Instrumentation 2008
9909 Topanga Canyon Blvd., #351
Chatsworth, CA 91311

Fax:
(208) 475-9119

ORDER SUMMARY

Exhibit Space
Includes 6' draped table, chair and signage

____ exhibit table $_____
QTY

$295.00 Before February 7
$395.00 After February 7*
(*if space is available)

Optional Sponsorships

Registration Signage $150 $_____
Your logo will be displayed in this prime location.

Attendee Distribution $150 $_____

Your flyer, line card, or other materials will be given to all attendees, training participants and exhibitors. Limit one item.

Total Due: $ _____

Pressure Relief Valves: Codes, Terminology, Applications
Mike Rainguet, Tyco Valves & Controls

Pressure Relief Valve Seminar. ASME and API Codes and regulations will be presented including sizing, selection, installation and using the API guide for pressure relieving and depressurizing systems. Terminology will be covered along with explaining the operation, advantages and limitations of various types of relief valves.

Mike Rainguet is Western Regional Manager of Overpressure Protection Products with Anderson Greenwood, Crosby & Varec Products, Tyco Valves & Controls. Mike has been involved in the and process instrumentation and valve industry in multiple facets for 30 years, including overpressure protection, quarter turn actuation, control valves, pressure, temperature, level and flow measurement. He has mechanical engineering and marketing degrees from Metro State College and University of Colorado Denver. Mr. Rainguet can be reached at (303) 512-3305 or by email at mrainguet@tycovalves.com. Website: www.andersongreenwood.com.

Advances in Portable Multi-Parameter Analytical Instrumentation
Michael Silvia, Hanna Instruments

Today's meters are engineered with smart features such as auto recognition of pH/ORP probe, auto-ranging adjustments for EC/TDS readings, and measurement check - to eliminate erroneous readings and

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simplify operations and handling. Quick calibration allows the user to standardize pH, conductivity and dissolved oxygen, all with one solution.

Michael Silvia is Market Manager with Hanna Instruments. He holds a BA in Biology with a background in Environmental Engineering. Hanna Instruments is a 30 year old manufacturer of analytical instruments, located at 584 Park East Dr., Woonsocket, RI 02895. He can be reached at 800-HANNA-87 Ext.31 or msilvia@hannainst.com. Website www.hannainst.com/usa.

Foundation Fieldbus: Configuring Control Loops in Ff Devices Using a Fieldbus Interface Module

Russ Muller, Rosemount Measurement Div, Emerson Process Management

Unleash the Power of FOUNDATION Fieldbus Instrumentation. FOUNDATION fieldbus devices are more than PV generators. They are also information servers with advanced diagnostics that alert the user to process problems and support Predictive Maintenance. The Function Blocks in Ff devices such as PID, Signal Characterizer, and Integrator allow users to link Ff devices to build control and monitoring loops independent of a central control host. Learn how to configure "Control in the Field" applications using a simple web server interface module.

Russ Muller is PlantWeb Specialist with Rosemount Measurement Division of Emerson Process Management. Russ can be reached at (973) 257-2300 ext. 316 or by email at Russ.Muller@EmersonProcess.com. Website: www.emersonprocess.com.

Understanding Safety Instrumented Systems (SIS) and Safety Integrity Level (SIL)

Victor Wegelin, PMA Concepts

We have always been concerned with operational safety. Now, advanced formalization of these safety procedures has led to the concepts of SIS and SIL. Come and learn how these two concepts work together, and how you can use them to evaluate your own process to make it more safe.

Victor Wegelin is the Owner of PMA Concepts, a consulting firm specializing in the design, implementation and support of Industrial Networks for over 25 years. These are total integrated solutions that include measurement, control, operator interface, and business system links. He holds a BS in Chemical Engineering from University of Cincinnati, and an MBA from The University of Chicago. He is a licensed professional Control Systems engineer. He helped found the Industrial Controls Certificate at Cal State University, and is an instructor in Network technologies for ISA. Victor joined ISA in 1983, and was named an ISA Fellow in 2005. Victor can be reached at (714) 931-8832 or by email at PMAConcept@aol.com. Website: www.pmaconcepts.com.

CEMS Audits & Current Regulatory Issues

Joanne Randall, Cemtek Environmental

How do you know you are ready for an audit or taking care of your CEMS properly? One sure way is to follow you site Quality Assurance Plan (QAP). Every site has one, it is mandated by USEPA 40CFR60 Appendix F. Yes, CEMS aren't just a necessary evil, you even have to follow a plan daily to keep the regulatory agency away. We'll cover this and more in our training.

Joanne Randall is CEMS Specialist for Cemtek Environmental and has over 25 years experience in the environmental arena. Joanne has a BA in Business Administration. In 1988, she moved from the accounting department at KVB to manage the field service division and then into technical sales and marketing in 1993. By teaming with the engineering, operations and field experience at CEMTEK, Joanne can help you find the most economical yet effective system to meet your environmental monitoring needs. Projects include coal and gas

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fired power plants and all types of industrial applications. As an active member in the ISA and AEE, and regular attendance to EPRI, EPA, EUEC, AWMA and regulatory agency meetings, she keeps abreast of the current regulations and technical issues. Joanne can be reached at (949) 283-0305 or by email at joanne@cemteks.com. Website: www.cemteks.com.

Analyzer Sample Conditioning Technologies: Today & Tomorrow

Robert Sherman, CIRCOR

Mechanical and Thermal aspects of Control Components (filters, transfer lines, pumps, pressure-flow measurements and controls, dewpoint considerations) for Process Analyzer Sample Systems will be discussed. All manufacturers' Substrate technologies and current NeSSI Bus technologies will be briefly outlined. ISA-certified Instructor and author of Wiley text "Process Analyzer Sample Conditioning System Technology" will present this class.

Robert E. Sherman, ISA Fellow and Subject Matter Expert, CIRCOR Tech. Robert Sherman has been in the analyzer industry for over 35 years. He is Industry Specialist for CIT Instrumentation Technology Division of CIRCOR International Inc. Robert has graduate degrees in both business and technical fields from Indiana University and from St. Louis University. He is an ISA Fellow and an ISA Subject Matter Expert(SME)in both process analyzer sample conditioning and process analyzer selection. Robert can be reached at (815) 931-9087 or rsherman@circortech.com. Website: www.circortech.com.

Wireless: Removing the Confusion about Wireless Standards

Raj Adani, Rosemount Inc.

Are you confused with the Wireless Standards? Should you adapt HART 7.0 or wait for ISA SP 100 standard? All these questions can be answered when you see the Live Wireless HART devices presentation by Rosemount.

Raj Adani can be reached at (714) 803-3399 or by email at raj.adani@emersonprocess.com. Website: www.rosemount.com.

Panel Discussion on PE Licencing Issues or I&C Job Outlook in Southern California

This panel is still in the planning stage. It will either be community college, technical schools and career placement professionals discussing job opportunities and continuing education available in the fields of instrumentation and process control as relating to Southern California refineries and process industries. Or it will center on PE license issues. Either way, those looking for well-trained technical personnel as well as those interested in advancement or making a change should attend this session.

Modbus - Still With Us After All These Years

Michael Crossman, PLC's Plus Internat'l, Inc.

Even though Modbus(r) has been with us for over twenty-five years it remains a viable option for data transmission in SCADA and control applications. More and more products and devices are supporting Modbus as a means for communications. Developed by Modicon(r) in 1979 for use with its PLCs it has become the "de facto" standard for communications in the automation and controls industry. Many other protocols have attempted to topple it and none to date have succeeded. We will take a look at Modbus protocol, how it works, how it is used, as well as variants such as Modbus PlusTM and Modbus(r) TCP. We will also look at the future of serial protocols such as DNP3 and others.

Michael E. Crossman is Operations Manager for PLC's Plus International, Inc. Michael has been in the automation industry for over twenty years and has literally grown up in the industry, following in the footsteps of his father. With vast experience ranging from field instrumentation, communications, SCADA development and PLC programming. Michael can be reached at (661) 322-4470 or by email at MECrossman@bkppi.com. Website: www.bkppi.com.