



Pittsburgh Section
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Setting the Standard for Automation™

Pittsburgh Section Headlines

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Wireless Communications to Obtain and Use Stranded Data from Smart Devices

There are over 26 million “smart instruments” that have been sold but less than 25% of the installed units have their diagnostic abilities in use. Many of the legacy control systems being used today are not capable of handling the HART communications available from many of the transmitters and valve controllers in the field. The control loop can deal only with a single 4-20mA signal for the process variable and would need to have a large investment in additional electronic hardware and wiring to make the HART data available. Wireless communications give us the ability to have the instruments work with the primary 4-20mA signal and provide the additional data available from the smart devices. The addition of a wireless adapter to existing HART devices based on the SP100 standard will give users the same data capabilities as using a control system with HART communications.

This will open up a new world for many users with older systems that have HART based devices. There are many manufacturers of these devices which provide data that would be helpful to determine instrument and valve health. This data can now be obtained and used in asset management programs to allow users to shift from reactive/preventive to predictive maintenance programs. This wireless set up can be used for both monitoring and control loops. This is because power is supplied to the units via the 4-20mA

This Meeting

Monday, January 12th, 2009

- 5:00 p.m. Social
- 5:45 p.m. Light supper
- 6:30 p.m. Panel Discussion

Equipment and Controls, Inc.
 2 Park Drive
 Lawrence, PA 15055



Continued on back

Wireless Communications

Continued from front

loop; therefore, the slower update times to conserve power for battery powered wireless applications do not apply in this case. Stranded data is a major problem for many users but it does not have to be an insurmountable issue. Wireless can provide the avenue to the data trapped in smart devices.

Two of the panel members will be Chuck Hartman and Lance Conklin of ECI. More will be announced on our web site. If you are interest in participating, please call the office at 412-828-4565.

Cost of the meeting is \$15.00. Reservations can be made by calling the office at the same number of registering at www.isapgh.org.

Directions

Traveling I-79 South Bound:

At Bridgeville exit 54, turn right at end of ramp on Route 50, then right onto Washington Pike. Travel Washington Pike 2.1 miles until you reach Boyce Road. Make a left onto Boyce Road. Travel 1.4 miles to the traffic light and make a right onto Mayview Road. Travel Mayview Road .9 mile and make a right onto Park Drive. ECI is the first building on the right.

Traveling I-79 North Bound:

Take SouthPointe Exit 48 and turn right at end of ramp. At tee in road (stop sign), turn left onto Morganza Rd/Washington Pike. Travel approximately 1.3 miles to the stop sign. Make a right at the stop sign onto Baker Road. Travel approx .6 mile on Baker Road to the next stop sign. Go straight onto Georgetown Road (no street sign here). Travel approx .3 mile and make the first left onto Mayview Road. Travel approx .2 mile and make a left onto Park Drive. ECI is the first building on the right.

From RT19 North:

Turn right at Boyce Rd. Turn left at Mayview Rd. to Park Dr.

From RT19 South:

Turn left at Boyce Rd. Turn left at Mayview Rd. to Park Dr.

From Airport:

Follow Route 60 South out of airport. Stay on the Parkway for 10.5 miles to the 79 South (Washington) exit. Continue on 79 South for 6 miles to the Bridgeville exit 54.

DATED MATERIAL
PLEASE RUSH



Join us January 12th, 2009
Wireless Communications
Lawrence PA

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