



○ YEAR: 2009 | ○ ISSUE: 5



# ISA Baton Rouge *JANUARY*

Newsletter

## Asset Management

January 15, 2009

Time: 11:30 pm—12:30 pm

Location:

Ralph & Kacoos

6110 Bluebonnet Blvd

Baton Rouge, LA 70809

**RSPV: [isareservations@hotmail.com](mailto:isareservations@hotmail.com)**

**Please see our new website**

**<http://www.isa.org/~bator/index.html>**

## President's Message

January 2009 Newsletter

Fellow ISA Baton Rouge Section Members & Guests:

I trust that everyone has moved through the 2008 holiday season in a safe and BLESSED manner.

As we move into the new year, we all have expectations for what we want to accomplish. The Baton Rouge ISA Section is no different. We have an exciting first quarter planned revolving around Asset Management and Bus Technology followed by our Annual Expo in April.

Please mark your calendars now!

January 15<sup>th</sup> meeting will focus on Asset Management software applications using HART and Fieldbus protocol – Location - Ralph & Kacoo's on Bluebonnet

February 19<sup>th</sup> meeting will focus on the Isolation Valve and its interaction with SIS – Location - Holiday Inn @ Gonzales

March 19<sup>th</sup> meeting will be a co-sponsored event with the Fieldbus Foundation. A ONE Day seminar on FFB technology and its applications – Location to be determined

April will play host to TWO events:

April 9<sup>th</sup> will be a dinner meeting co-hosted with the FDT/DTM Group – Location to be determined

April 16<sup>th</sup> will be the Annual ISA Baton Rouge/New Orleans Expo held at Lamar Dixon Center

Our monthly meeting for January 15<sup>th</sup> is – Asset Management. The meeting will be held at Ralph & Kacoo's on Bluebonnet. Amit Ajmeri of Yokogawa will lead the presentation. Mr. Ajmeri has a very deep understanding of the strategies, functionalities and mechanics behind today's leading Asset Management Solution offerings.

**Consultant - Asset Management Solutions**

**Yokogawa Corporation of America**

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**Web-site: [www.yokogawa.com](http://www.yokogawa.com)**

If you intend to pay at the meeting, please RSVP via [ISAReservations@hotmail.com](mailto:ISAReservations@hotmail.com).

You can pay for your lunch and make your RSVP at the same time by taking advantage of PayPal at the ISA Baton Rouge site as well - <http://www.isa.org/~bator/> (visit the events page for January)

Brent Haydell

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## Upcoming ISA Events...

*TRIED OF WRITING CHECKS, PLEASE  
VISIT OUR NEW PAY ONLINE OPTION.  
Click on each event and get redirected to  
PAYPAL*

<http://www.isa.org/~bator/meeting.html>

January 2009

**ATTENTION MEMBERS!**  
Please see our new website  
<http://www.isa.org/~bator/index.html>

### 2009 ISA Baton Rouge Calendar

January 15th

Asset Management - Ralph & Kacoo's, Baton Rouge

February 19th

Concepts of FDT/DTM protocol - Holiday Inn, Gonzales

March 19th

FieldBus Technology Seminar (Full Day)  
Venue to be determined

April 16th

ISA BR/NO Expo 2009 - Lamar Dixon Expo Center

May 21st

Annual Section Banquet and Awards Dinner  
Ralph & Kacoo's on Bluebonnet

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January 2009

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December Presentation

January 2009

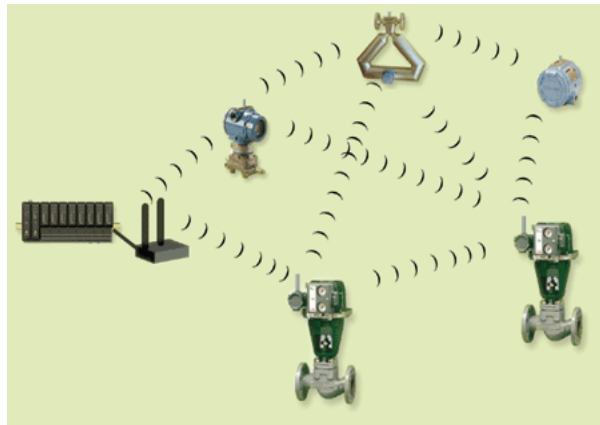
## Wireless sensors

By Steve Toteda

The information you need to run your industrial plant more safely and efficiently is all around you; the challenge is getting access to it in a reliable, cost-effective way. Today's new standards-based, ultra low-power wireless sensor systems allow you to do just that, with their ability to measure critical parameters like differential pressure, temperature, level, and flow.

You can put wireless sensors almost anywhere with little or no regard for the existing wired infrastructure. They are easy to install and cost only a fraction of wired installations. Equally important, these sensors are simple for plant technicians to use with most deployments boasting an up-and-running network within hours of installation.

Major corporations are using wireless sensing to ensure environmental conditions are safe, monitor critical process parameters and equipment conditions, and gain easy access to the critical performance metrics contained in the sensors themselves.



### Future applications

Companies can realize the potential of process production facilities with the emergence of open standards-based field wireless infrastructure. Typical refineries deal with the harsh environments created by the complex piping of the production facilities through the previously described advanced techniques. Such environments are often quite hostile to RF signals, exacerbating the traditional RF issues of path loss, fading, and multipath.

The low installation cost of wireless makes it tempting for a company to get its feet wet. But plants can realize a bigger cost savings through improved predictive maintenance and better operational performance.

Future advances in wireless sensor technology will further reduce power consumption of the sensors and their wireless networking interface. We are already seeing wireless sensors harnessing the vibration of the machine it is measuring to generate their own power to report on the health of the equipment. This will give more options in where to embed devices. Here are some tips to consider when selecting wireless sensor products:

- Make sure to adopt a full mesh networking architecture with channel hopping to ensure wire-like reliability.
- Choose an automation vendor whose wireless sensors and gateways provide dynamic network optimization to accommodate the inevitable changes in the RF and physical environment of your plant.

### Sponsor



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### Professional Development Hours: Continuing Education Requirements for Registered Professional Engineers

As of January 1, 1999, the State of Louisiana began requiring Licensed Professional Engineers to participate in a continuing education process as a condition for registration renewal. During each biennial registration renewal period, every engineer registrant, including those registered in two or more disciplines, is required to obtain 30 Professional Development Hours (PDH's) in engineering related activities. The local section can help.

*Many of our section meetings qualify towards this requirements.*

January 2009

Sponsors

Dear Past ISA Baton Rouge Section Sponsors,

In the past, we have offered the following:  
(we will still offer these items individually for those that want to write multiple checks throughout the year)

Traditional ways to support the section:

Business Card placed in Newsletter and on website	\$150
Shrimp Boil Tickets	\$25/ea
One Day Technical Seminar Ticket	\$120/ea

This year we are offering new ways to support the section through advertising your company and/or products and services:

¼ page advertisement in the Monthly Newsletter	\$100 each occurrence
½ page advertisement in the Monthly Newsletter	\$200 each occurrence
Full page advertisement in the Monthly Newsletter	\$300 each occurrence
Corporate Logo on Section Signage displayed at ALL section events	\$150



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January 2009

## Value Driven Automation

### Process Automation – Safety Instrumented Systems (SIS) - System Integration

AE Solutions specializes in the implementation of process automation systems. We are a comprehensive engineering resource for Basic Process Control Systems (BPCS). We also offer expertise in the execution of the Safety Life Cycle (SLC) and critical systems such as Safety Instrumented Systems (SIS), Fire & Gas Systems (FGS), Burner Management Systems (BMS). We have immediate openings for:

#### CONTROL SYSTEMS ENGINEER

Control Systems Engineer with at least 5 years of experience in Basic Process Control Systems (BPCS) specification, design, configuration and testing including field support, implementation and startup assistance. BS Engineering required. PE registration is a plus.

#### SENIOR DESIGNER

Control Systems Designer with at least 5 years of experience in design of automation systems including system architecture, control panel, field wiring, instrumentation installation and electrical systems. CAD design proficiency required.

#### PROCESS SAFETY SPECIALIST

Process Safety Specialists with at least 5 years of experience in the analysis, design, configuration, and testing of safety systems per ANSI/ISA 84.01, IEC 61508 and IEC 61511 including field support, implementation and startup assistance. BS Engineering required. PE registration and/or CFSE certification is a plus.

AE Solutions is a fast growing company with a need for automation talent and is willing to train extremely motivated professionals with control system and process safety experience toward becoming a Certified Functional Safety Expert (CFSE).

We offer a comprehensive benefit package including: medical, dental, and life insurances; a flexible work schedule, both company sponsored time off and optional purchased time off, and multiple bonus programs.

### READ-OUT

If you are interested in an ad for newsletter, have an announcement, comment, question or suggestion; please contact us. **Deadline for ads, articles, etc. is noon on the last Friday of the month! Please provide the information to the editor by email to [aparna.subramanian@exxonmobil.com](mailto:aparna.subramanian@exxonmobil.com)**

Positions are currently available in our  
Baton Rouge, LA, Greenville, SC, and Anchorage, AK offices.

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