



**BATON ROUGE
SECTION**

October Newsletter 2007

PRESENTATION

Industrial Wireless Technology

by Andrew Neeb, Honeywell Field Solutions

October 18, 2007

Time: 11:30 am-12:30 pm

**Location:
Holiday Inn
Gonzales, LA**



President's Message

Greetings and welcome back! I hope everyone had a great summer and a chance to unwind at least a little bit. I'm very excited about the upcoming year for the ISA Baton Rouge Section. The executive board has done an outstanding job of planning events for the 2006-2007 season. I express to them my gratitude for their dedication and commitment to tirelessly serve by helping others.

There were many accomplishments that we can be proud of this year. In June, under the phenomenal leadership of our past president Murtaza Gandhi, we held our 1st one day seminar on Safety Instrumented System. Five technical presentations were held throughout the day with good attendance. In September, we had our Annual Membership Drive and Shrimp Boil on Friday, September 20th. We received support from 25 vendors and had a great turn out. I would like to thank our vendors for sponsoring the event and the participants that attended. Special thanks as well for the cooks, volunteers and section officers that helped facilitate the event with the last-minute schedule change.

We are looking forward to another exciting year of programming. New this year we will be offering a diverse group of presentations which include Instruments, PLC & SIS, Process Analyzer & etc along with Table Top Exhibition in Coming June. We will be kicking off the year with our first presentation on "Industrial Wireless Technology" by Andrew Neeb from Honeywell Field Solutions in Gonzales from 11:30 am- 12:30pm. There are additional details in this Read Out.

I hope that you feel ownership in our section. As your section leader I look forward to seeing our section fulfill the vision and mission of our National Organization. Please feel free to contact me if you have any suggestions or feedback at aparna.subramanian@exxonmobil.com. If you are interested in programming through the section you can contact incoming Vice-President, Murtaza Gandhi at murtaza.gandhi@jacobs.com. It is one of our goals this year to send out a regular newsletter to improve our communication amongst the membership of the section. It takes time and effort to put everything together. Hence if you had any suggestions on further improvement, please email Crystal Barzare at crystal.barzare@jacobs.com.

The ISA-Baton Rouge Section

2007-2008 Officers:



Aparna Subramanian ~ President
Murtaza Gandhi ~ Vice President
Harold Keegan ~ Treasurer
Lydia Brown ~ Secretary
Bill Bonds ~ Section Delegate
Brent Haydell ~ Membership Chair
Crystal Barzare ~ Newsletter Editor
Al Jolissaint ~ Webmaster

Congratulations & Good Luck!

Upcoming Presentations...

Dear Members

Please Update your email addresses for future correspondence by either logging onto your profile in www.isa.org or email isareservations@hotmail.com

October 18th

“Industrial Wireless Technology”

by Andrew Neeb, Honeywell Field Solutions

Location: Holiday Inn, Gonzales

1 PDH will be Awarded

Time: 11:30-12:30pm

Pricing with RSVP: \$15 person

Tickets at Door: \$20/Members, \$25 Non-Members

RSVP: By Noon October 15, 2007 to

isareservations@hotmail.com

November 15th

“Fiber Optic Applications For Industrial World”

by Nilson Gabela, Corning Cable Systems

Location: Holiday Inn, Baton Rouge

December 13th

TBA

Location: Holiday Inn, Gonzales

January 17th

“Combustion Efficiency”

by Ametek Process Analyzers

Location: Holiday Inn, Baton Rouge

**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 re-*

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Annual Membership Drive & Shrimp Boil, September 2007

I hope you all were able to participate in our annual shrimp boil. It was a wonderful event with a good attendance. Special thanks to all our cooks, volunteers, sponsors, and section officers for helping coordinate the event.

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Wika Eletric



Summer Technical Presentation, June 2007

ISA Baton Rouge's 1st one day seminar with presentations on Safety Instrumentation Systems was held in June at the Baton Rouge Area Foundation. It proved to be quite a success with speakers including Max Hohenberger of ExxonMobil, Danny Dupont of Jacobs Engineering, Curt Miller of Exida Corporation, Gene Cammack of Siemens, and Glenn Raney of Triconex. PDH's were awarded and a great time was had by all!



InTech Article:

It's onward, upward as ISA100 takes in WirelessHART

By Nicholas Sheble

The 300 or 400 people on the ISA100 Wireless for Industrial Automation committee are perhaps some of the smartest people in the world. The challenge has been to focus that intelligence by division such that personality doesn't trump the best solution.

Wayne Manges, co-chair of the ISA100 committee, said resolution to the technical discord over the inclusion of the WirelessHART standard into ISA standard is at hand. The WirelessHART standard came out a couple of days ago, and compliant products will be on the market in a couple of months. Actually, products already exist and are out there, so the distinction is one of technicality and officialdom rather than actuality.

The ISA100 standard probably will release within six months.

As to the incorporation of the HART element, the options they looked at were to do nothing, which is to say have two networks which integrate at the application level. Another option was use a dual-mode gateway for the two networks whereby accommodation happens at a gateway level. The discussion of a dual-stack with end devices integrating at the device level was a third option.

Another option was to use tunneling whereby the data packs together at the device level, transmits, and then unpacks at a higher level. The final recommendation was to have a multi-release standard with ISA100.11a, release 1 being a dual-mode gateway with tunneling optional or mandatory and yet to have a decision. Stay tuned.

Tunneling technology enables one network to send its data via another network's connections. Tunneling works by encapsulating a network protocol within packets carried by the second network. For example, Microsoft's PPTP technology enables organizations to use the Internet to transmit data across a VPN. It does this by embedding its own network protocol within the TCP/IP packets carried by the Internet. Tunneling is also encapsulation.

The evaluation process is ongoing and future releases for dual stack options to integrate at the MAC level, the DLL level, or the NET/TRAN level. This we know, the committee recommends the dual mode gateway option (ISA100.11a, WirelessHART) in release 1.

The committee will continue to move forward with full integration study of Wireless HART into ISA100.11a for release 2. There was a strong wish to have the message going out to the automation community that there was and is excellent participation and cooperation from all concerned.

The committee wants the recommended path to send a clear message to the community that the two organizations are committed to serving the voiced needs of the end users.

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Electronic Exam Testing Windows

Beginning January 1, 2007, ISA electronic certification exams will be available during three testing windows. Each exam testing window will have a deadline for applications to be considered for testing in that window. Eligible candidates will only be able to test during the testing windows.

The candidate eligibility window is 9 months. Once your application is approved, testing must be completed within two exam testing windows. Your first exam testing date must be scheduled during the first available window after your application is approved. All rescheduling and retesting must be completed within the two consecutive exam testing windows within your 9 month eligibility period.

You may reschedule your exam once, and the rescheduled date must be during your first exam testing window. If you must retest, you must allow 30 days between your initial exam date and your retest date. If you are not able to schedule a retest in the same window you took the initial exam, you can retest in the next available window. A total of two retests are allowed within your two eligible exam testing windows with each retest scheduled at least 30 days apart.

If you do not successfully complete the exam within the two exam testing windows within your 9 month eligibility period, you must reapply submitting another application and fee.

In order to schedule an exam, you will need to send your completed application by the specified application deadline for the exam testing window. The application deadlines and testing windows are as follows:

Exam Testing Window	Exam Application Postmark Deadline
Window 1: 1 March – 30 April 2008	Tuesday, 15 January 2008
Window 2: 1 July – 31 August 2008	Thursday, 15 May 2008
Window 3: 1 November – 31 December 2008	Monday, 15 September 2008

Eligible candidate applications received in 2007 and 2008 will be able to test in a total of two exam testing windows as outlined in the grid below.

Exam Availability Schedule	
Exam Application Postmark Date	Exam Availability
16 May – 17 September 2007	Window 3: 1 November – 31 December 2007 and Window 1: 1 March – 30 April 2008
18 September 2007 – 15 January 2008	Window 1: 1 March – 30 April 2008 and Window 2: 1 July – 31 August 2008

*Please allow 6 weeks for application review and notification of eligibility.



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