



**BATON ROUGE
SECTION**

December Newsletter 2006

PRESENTATION Industrial Ethernet Security

**Speaker: Don Lum
From: Englobal**

**December 21, 2006
Time: 11:30-12:30pm**

**Location:
Holiday Inn
Gonzales, LA**

**Pricing with RSVP: \$12/person
Tickets at Door: \$15/person**

RSVP: isareservations@hotmail.com

December 2006

President's Corner

Come December and it's time to sit back, relax and enjoy the holidays. Lots of our reader folks shall be taking off during this time and spending more time with their families. The spirit of Christmas and the holidays has all of us excited for this month.

Last year we had our first monthly meeting at the Holiday Inn Select in Baton Rouge. It was a different experience. We had some new folks attending the presentation and the turnout was good compared to what we had expected. On the flip side, the room was a bit cramped and the food wasn't as extra-ordinary as Mike Anderson's. It is kind of a toss-up. We had a different audience, but at the same time the facilities weren't too great. We are working with the Holiday Inn Select to improve the seating and video facilities to make sure every attendee is comfortable.

In December, we are meeting at Holiday Inn Gonzales to listen to Don Lum from Englobal Engineering. He is going to speak on "Industrial Ethernet Security". Next month on the 18th of January, we shall be meeting at Holiday Inn Select, Baton Rouge to attend a presentation by Pratten from Fluke on "Thermography". Both these should be interesting.

On the membership side, we are looking for some participation from our vendor community especially for the next year's board. We have quite a lot of new faces in the board and we are excited to have few more enthusiastic individuals to help promote our cause.

I have a request to all the members. I don't have updated email addresses for a lot of our members. It makes it difficult for us to pass on the regular meeting/event info to you in a timely manner. We would appreciate if you could send us your updated contact email at Mur-taza.gandhi@member.isa.org Also, please update your contact info at the ISA website.

We are still looking for your support in arranging for presenters for our technical meeting. Please contact Lydia Brown at lpbrown@dow.com for any further info.

If you would like to send an article or advertisement, please email Aparna at Aparna.subramanian@exxonmobil.com or Forrest at f.w.broussard@cox.net

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In 2007

January, 18th

"Thermography"
by Pratten from Fluke

Baton Rouge

February, 15th

"Coriolis Technology"
by Dennis Meyers from Emerson

Gonzales

March, 15th

"TBT"

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ALL THE MEETINGS ARE TENTATIVELY GOING TO BE HELD AT HOLIDAY INN AT THEIR DESIGNATED LOCATIONS.

SCHEDULED TIME BETWEEN 11:30 AM AND 12:30 PM.



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From CAP test sample questions

Frequency of maintenance should be determined by:

- A. Failure rates of components.
- B. Availability of personnel and parts.
- C. Management targets for efficiency and productivity.
- D. Effectiveness of maintenance personnel.

Answer on page 6.



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Student Section News

On December 5th the Student Section at ITI College held a work day which ran from 9:30 am to 3:30 pm. This event was attended by approx. 20 student members and general students who are interested in gaining increased insight and hands-on experience with the technology. A few attendees who were not previously ISA members joined on the spot.

A lot of new conduit and cabling was ran to transmitters that were not previously online. A broken Micro Motion transmitter was repaired and returned to service. AC power was terminated on a magmeter and it was started up, calibrated and tested. Changes in the feedstock tank level indication loop were documented. Many previously installed transmitters were terminated. D/A and sensor trims were performed.

BBQ and drinks, courtesy of Mark Hughes, was had and enjoyed by all. The birthday of a member was celebrated with cake. Everybody passed a good time.

An open invitation to anyone wishing to attend future functions of the ITI Student Section is extended to any member of the Baton Rouge Section or any other section for that matter. These things are generally held on Saturdays at the ITI campus on Airline Highway in Baton Rouge.

The next work day will be held on January 20th, 2007.

READ-OUT is the newsletter of ISA Baton Rouge Section and is published 9 times a year. Business card ads by sponsors are \$150 per year, double ads are \$275. If you are interested in an ad, 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 F.W.Broussard@cox.net or aparna.subramanian@exxonmobil.com**

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Disk drives face challenge

Researchers are reporting real progress in perfecting a different way to store data in semiconductors.

It could replace one widely used type of memory chip and possibly become a credible competitor to disk drives.

The Wall Street Journal reported scientists at International Business Machines Corp. (IBM), Qimonda AG, and Macronix International Co. are this week disclosing promising results in refining “phase-change” memory, a technology some companies believe can succeed the flash-memory chips that store data in gadgets such as digital cameras, music players, and cell phones.

The researchers, in a paper at a technical conference in San Francisco, said they used a novel combination of materials to create prototype phase-change components that are more than 500 times as fast as flash chips, while requiring less than half of the electrical power to record data.

Flash memory is popular because it retains data without a constant electric charge. Such chips don’t usually serve as replacements for disk drives because of their higher cost and because there are limits on how many times one can write data.

Phase-change memory doesn’t have that problem, suggesting it work far more widely than flash chips are today. “In the future, we want to target the disk drive, too,” said Spike Narayan, senior manager for nanoscale science and technology at IBM.

The chip industry is racing to find a replacement for flash memory, because the technology will leak electrical current unacceptably when manufacturers shrink chip circuitry beyond certain dimensions. Phase-change memory is one of several candidates under consideration.

Answer to sample question on page 3:

A. Failure rates of components.

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Testing Windows for ISA Certification Electronic Exams

Beginning 1 January 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 nine (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 nine (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
W1: 1 March – 30 April 2007	Tuesday, 16 January 2007
W2: 1 July – 31 August 2007	Tuesday, 15 May 2007
W3: 1 November – 31 December 2007	Monday, 17 September 2007

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 toward this requirement.*