

READ-OUT

BATON ROUGE SECTION

**ISA—The Instrumentation, Systems,
and Automation Society**



Advances in Natural Gas Sampling Technology

By: Mark Firmin, A+ Corporation

Thursday, April 21st, 2005

11:30 - 12:30 pm

Shaw Group Building

4171 Essen Lane, Baton Rouge

**Cost: \$12 - You Must RSVP by Noon
Monday April 18th!**

**RSVP To: isareservations@hotmail.com
or (225) 274-9989**

Seating is limited to the first 50 RSVP's!

READ-OUT
April, 2005
VOLUME 19
NUMBER 8

IN THIS ISSUE...
Society & Section Information, Board listing,
Announcements, Calendar of Events

President's Corner

I would like to thank the membership for continued support of our Section's activities. Our Section is composed of over 250 members and growing. Attendance has consistently been up for the past month's meeting. This month we are looking forward to the same. The next meeting's topic will be *Advances in Natural Gas Sampling Technology* by Mark Firmin of A+ Corporation. This month's meeting will take place at the state of the art Shaw Group on Essen Lane in Baton Rouge. On behalf of the Section I would like to extend appreciation to the Section members and representatives from the Shaw Group that have made this possible. Registration details are inside. Attendance is limited to the first 50 registrants.

The Baton Rouge Section will be presenting \$500 scholarships to students from LSU, Southern University, ITI and BRCC. More information to come soon. We are also looking forward to election of officers, and our annual Ethics presentation by Armando Corripio on May 12th at Drusilla Seafood in Baton Rouge.

We are also fortunate to have the District 7 Vice President, Joan Houghton-Bonds as a member of our Section. The 2005 ISA District 7 Leadership Conference will be hosted by the Houston, TX Section and will be held at the Moody Gardens in Galveston Friday, May 20 through Saturday May 21. A tentative agenda and registration form is enclosed inside the newsletter.

If you are interested in holding an officer position with the Baton Rouge Section, please contact me at Melissa.Dotson@shell.com. Holding a Section leadership position provides an opportunity to further network with area professionals as well as enhance leadership skills. Inside the newsletter is an article outlining ISA's Leadership Development Programs. This program is open to all ISA members.

Sincerely,
Melissa Dotson

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Announcements:

Workshop

ISA 84.00.01 Functional Safety Implementation: "Please Help Me Understand the Process & Resulting Benefits!"

exida is pleased to introduce this much needed "hands on" workshop for the Gulf States region. The goal of this program is to take the confusion and "overwhelming feeling" out of the new standard. In this unique format, groups of 4 to 6 engineers/managers (controls, safety, process, or risk) would breakout into groups and take a sample application completely through the S84 process. They will have a PC workstation to record their project and utilize software tools for SIL determination and verification. The process followed will include a technique (*currently under patent review*) that will combine learning, confidential polling of current practices, group breakout (application of principles), and reporting of individual & group activities. Please visit their website for more details: <http://www.exida.com/news.asp>

YOUR MEMBER PROFILE

YOUR MEMBER PROFILE: Please be sure to update your member profile on the ISA Web site. The Member profile database at ISA headquarters is where the local section gets its contact information. So help us help you by staying accessible.

To edit your Member profile information you must be logged in to the ISA network at www.isa.org. Once logged in, navigate to the MEMBERS & LEADERS tab, select MY ISA, and then choose UPDATE MY RECORD.

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.



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Certified Automation Professional (Question from CAP Domain IV — Development)

Which PLC programming languages consists of contacts, timers, and counters?

- A. Sequential Function Charts (SFC)
- B. Ladder Diagram (LD)
- C. Function Block Diagram (FBD)
- D. Structured Text (ST)

Answer: B. Ladder Diagram (LD)

The Ladder Diagram Language consists of relay-type logic, timing, counting, and basic math operations. SFC and FBD are graphical languages in a high level structured language. Reference: Lewis. *Programming Industrial Central Systems Using IEC 1131-3*. IEE Publishing, 1998.

Certified Control Systems Technician (Question from Level I, Domain IV—Start-up)

The integral action, which is part of a PID algorithm, is often called:

- A. rate
- B. reset
- C. gain
- D. insert

Answer: B. Reset

The three terms (proportional-integral-derivative) of the PID algorithm have other designations. Rate (answer A) action is another name for derivative control mode, and reset (answer B) is another name for integral control action.

The proportional term relates to the gain (answer C) in that the term gain, proportional is the ratio of the change in output caused by the proportional control action to the change in input. Answer D has no relationship to PID control.

Certified Industrial Maintenance Mechanic (Question from Domain I — Maintenance Practices)

Prior to operating a powered industrial lift truck in the plant, each operator must successfully complete:

- A. An approved training program.
- B. The accompanying work order.
- C. All non-essential maintenance tasks first.
- D. A hot work permit.

Answer: A. An approved training program.

OSHA requires that all operators of powered industrial lift trucks undergo classroom and field-testing. Because of the hazards presented by the elevated loads while in motion, it is imperative that operators fully understand how to properly handle equipment and loads. The operator must also demonstrate the ability to properly inspect and operate powered industrial lift trucks before a certificate is issued.

Reference: IBEW-NECA. OSHA Requirements for General Industry. IBEW-NECA, 2003.

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District 7 News
 District Leadership Conference
 20-21 May 2005
 Galveston, TX.

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Dear District 7 ISA Members,
 The annual DLC offers opportunities to network and participate in workshops designed to improve each individual and Section. It is important for each Section to send representatives. Right now, it looks like the registration will be \$25.00. This will include Friday evening dinner and entertainment at a private beach house hosted by the Houston Section, breakfast & lunch on Saturday and breaks. For more information, please contact Joan Houghton-Bonds at 225-752-1326 or jrbonds@eatel.net.

Tentative Agenda for the conference in Galveston, TX.

Friday, May 20

- 1:00 p.m. Plant tour possibly of Moody Gardens especially the aquarium.
- 3:30 District 7 Meeting
- Friday evening** - Houston is putting together a "luau" & entertainment at Doug Zimmerman's beach house.

Saturday, May 21

- 8:30 am Breakfast
- 9:00 HOW TO CREATE AND MAINTAIN A CULTURE OF MOTIVATION WITHIN ORGANIZATIONS.

At the DLC in 2004 many asked for more leadership training. This Workshop is on Leadership by Max Ellzey of Ellzey Consulting Group. Max is an adjunct professor of Management and Organizational Behavior at Pepperdine University's Graduate School of Business and Management and a popular guest lecturer for several doctoral classes.

- 11:00 Workshop on Reviving an Organization- Lafayette Section
- 12:00 Awards Luncheon - Speaker Lowell McCaw, Immediate Past President of ISA
- 1:30 'til Section Roundtable.

Registration form is attached on the last page!

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 william.christopher@shell.com**

Advertising Space Available!

ISA's Value Proposition to Members - ISA provides its members with unparalleled access to technical information, professional development resources, and opportunities to network with other automation professionals. In addition to these unique benefits, membership supports a not-for-profit organization dedicated to advancement of the state-of-the-art and recognition of the automation profession ISA Members are able to access selected technical papers at no charge as a benefit of their membership.

Membership Questions and Answers

Q. How do we convince corporate management of the value of ISA participation?

A. ISA members in a company are in the best position to make this case by pointing out to management the value to the company of the technical information and networking opportunities available through ISA. ISA benefits are outlined on the ISA website and staff can also answer any specific questions about the benefits of membership.

Q. What is the personal value of being an ISA leader?

A. Comment from a society leader - The personal and professional growth opportunities afforded by ISA leadership involvement are reasons for staying as a member. Membership Services

Q. How does a member change or update his/her ISA record on line, and how does this affect Section assignment? Some members report unsolicited Section changes following online updates.

A. Member records can be changed online by following the path:Members &Leaders>My ISA>MyMembership>Update My Record. A change to an address will result in a member being assigned to the default Section assigned by the Zip Code mapping system in the ISA database. In some cases, a member desires to belong to a Section outside of the default assignment. A notice appears on the ISA site that in this situation the member should email ISA Customer Service to retain his/her Section assignment, if it is not the default Section.

Q. Is the ISA email service provided to all members a POP3 email service?

A. POP3 allows users to access their email through a standard email client like Outlook or Lotus Notes. Because we are not set up for POP3, all the member.isa.org email comes into our server through a single email account and then is distributed to appropriate folders associated with each Member's profile. Staff is looking into the implications of adding a POP3 email service.

Q. How can we provide more leadership training opportunities with a goal of developing future Section Leaders?

A. The East/West Coast Leadership training was discontinued after several years of declining attendance. The combined events were drawing less than 25 leaders annually and cost the Society about \$35,000 to support the two events, or about \$700/ attendee on average and not all of the attendees were first-timers. A leadership training track is offered at the PSM and at the PFM 2003. In addition, last fall we began offering ongoing leadership training sessions online. These live sessions are also archived so Section leaders can access them at any time. The Society also supports leadership training through support of the DLCs. The Society will invest \$35,000 in DLC training in 2004. The Professional Development Department (PDD) has developed a new leadership development training program that will consist of a combination of synchronous and asynchronous web training. Any ISA member will be eligible to participate in the program and those who successfully complete the program will be awarded a certificate of completion and PDH credit. The program is expected to launch in the late 2003

ISA Baton Rouge Section Officers & Chairpersons 2004-2005

President	Melissa Dotson Shell Chemicals	Phone: 225-201-6480 Fax: 225-201-	e-mail: melissa.dotson@shell.com
President-elect & Program Chairman	Ed Legenski DOW Chemical Co.	Phone: 225-353-8813 Fax: 225-353-1952	e-mail: edlegenski@dow.com
Treasurer	Harold Keegan Krohne	Phone: 225-952-9225 Fax: 877-451-6068	e-mail: keegan@krohne.com
Secretary	Jay Jones Ford Bacon & Davis	Phone: 225-297-3551 Fax: 225-293-1517	e-mail: jtjones@fbd.com
Section Delegate	Wallace Parker GE Panametrics	Phone: 225-274-9989 Fax: 225-274-9989	e-mail: wallace.parker@ps.ge.com
President Emeritus & Newsletter Editor	William Christopher Shell Chemicals	Phone: 225-201-6060 Fax: 225-201-6482	e-mail: william.christopher@shell.com
Arrangements & Honors & Awards	Position open. If interested, contact Melissa Dotson		
Webmaster	Al Jolissaint DSM Elastomers, Inc.	Phone: 225-267-3106 Fax: 225-267-3215	e-mail: ajolissaint@cox.net
Membership	Position open. If interested, contact Melissa Dotson		
Student Advisor	Dr. Armando Corripio LSU Chem. Eng. Dept.	Phone: 225-578-3061	e-mail: corripio@che.lsu.edu
Education	Position open. If interested, contact Melissa Dotson		
Standards & Practices	Position open. If interested, contact Melissa Dotson		
ISA Staff Advisor	Bill Palmer ISA Research Triangle	Phone: 919-990-9359	e-mail: wpalmer@isa.org
District 7 Vice President	Joan Bonds	Phone: 225-752-1326 Fax: 225-752-2142	e-mail: jbonds@eatel.net
Baton Rouge Section Web Site	www.isa.org/~bator/		

Upcoming Calendar of Events...

April 21st 11:30am - 12:30pm	Topic: Advances in Natural Gas Sampling Technology Location: Shaw Group Bldg, 4171 Essen Lane, Baton Rouge
May 12th 6:30pm - 8:30pm	Topic: Engineering Ethics Location: Drusilla Seafood Restaurant, Baton Rouge

ISA District 7 2005 Leadership Conference

Registration Form

General Information

The 2005 ISA District 7 Leadership Conference will be hosted by the Houston, TX Section and will be held at the Moody Gardens in Galveston Friday, May 20 through Saturday May 21. In addition to visiting Galveston itself, there are a lot of activities at Moody Gardens that are educational and/or entertaining. See their web site at <http://www.moodygardens.com>

Costs

Registration will be \$25 for each ISA member attending. This can be paid ahead of time or on site. For the luncheon on Saturday, \$15 will be charged for those not registered as attendees.

A block of rooms has been reserved for \$149.00 per night. That rate will be available on Thursday 5/19, Friday 5/20, and Saturday 5/21, for those who may need to come early or leave on Sunday. Please make your reservations by the April 28 deadline. Reservations can be made by calling 800-582-4673 or 409-741-8484. Please let the hotel know that you are with ISA - The Instrumentation, Systems, and Automation Society.

Registration Information

Name _____

Telephone _____

Address _____

Fax _____

email _____

Section/Position held _____

Expected Arrival date & time _____

Moody Gardens offers:

1 day pass for \$31.00

2 day pass for \$41.00

These can be purchased on site

Registration \$ _____

Additional lunches@ \$15 \$ _____

Total \$ _____

Checks for registration can be made out to Joan Houghton-Bonds

Please send this form to Victor Carbajal at fax: 713-324-6790 or email Viccarba@aol.com

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