



HOUSTON SECTION ELECTRO^Pnews

Meeting Notice OCTOBER 2, 2002

Please RSVP by phone
to Ellsworth Young
at (713) 238-4974
or email
isaely44@msn.com
by September 30th

RSVP and get a
\$3 meal discount!

Location:
Houston Engineering &
Scientific Society (HESS)
5430 Westheimer Way

Social Time: 11:15 am
Noon/Meeting: 11:45 am

*Complimentary meal
for new members*

*Spouses & family members are
welcome to the section meetings.*

ISA Houston Section

General Meeting

Wednesday, October 2, 2002

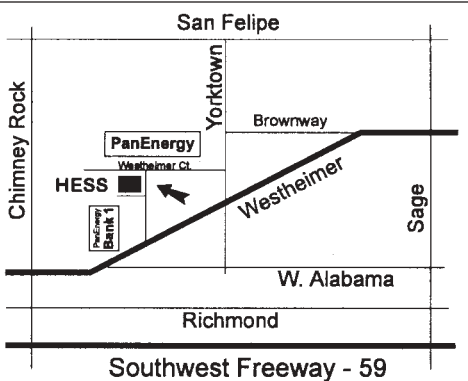
Topic:

**HOMELAND SECURITY: HOW INDUSTRIAL USERS ARE USING
VIDEO OVER IP TO MONITOR PLANTS AND EQUIPMENT**

Our speaker, Barry E. Baker, will provide an overview of the "Basics of Video/Voice over IP". He will show how to IP-enable legacy analog cameras and modern IP-based cameras.

Mr. Baker is Engineering/Network Manager for Industrial Networking Solutions, Inc., Addison, Texas. INS provides communication connectivity solutions for industrial control systems. It has hardware and software solutions for legacy protocols and modern Ethernet-based LAN/WAN applications. INS Systems Group provides network design, audit and certification services for the industrial vertical markets.

Mr. Baker's previous experience includes: Engineering Manager for COI Software (OPC server for network SNMP data), Control Systems Specialist for Daniel Industries, System Designer for IDM Controls, Project Engineer for Toshiba International and Applications Engineer for ABB Industrial. He holds a B.S.E. in electrical engineering (1986) and is a Cisco Certified Network Analyst (2002) and Cisco Certified Network Professional (2002).



**Don't miss the chili cook-off
at St. Arnold's Brewery
on October 17th
If you haven't registered
your cook-off team,
time is getting short**

(see registration form inside this newsletter).

The telephone/fax number for all ISA business is (281) 238-4974. We're on-line at www.houstonisa.org!
Bookmark us in your browser and check our site monthly for the latest updates and announcements!



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PRESIDENT'S Corner



Doug Zimmerman

Fall marks a very busy time for the ISA. Coming this month we have the annual membership appreciation night at St. Arnold's Brewery on October 17th. This year we are offering a hot new twist: chili from some very fine cook-off teams that should help the beer go down much better. Or at least faster! Come out and help us celebrate our Society, vote for your favorite chili and enjoy the St. Arnold's brew. Like my father used to say, "Das ist gut bier!" It was one of the few sayings that made it across the ocean with my ancestors, along with "Mox Nix" and "Tee Martoonis - you gotta respect em!". If you don't have a ticket yet, you can purchase one online for just \$10.

ISA 2002 Expo. Also coming this month is the ISA 2002 Expo in Chicago, October 21-24. This is the biggest technical conference and exhibit in North America and well worth the time to listen to technical presentations, preview emerging technologies and explore competitors' products. This year's keynote speaker is Paul Wallelet, Chairman, President and CEO of Sargent & Lundy, a Chicago-based engineering firm specializing in the power industry. Mr. Wallelet will discuss the outlook for the power industry and the new air quality regulations.

One of the ISA's best kept secrets is the Rimbach lecture series. Rimbach is known as the father of the ISA and each year the ISA presents this lecture to commemorate his vision for technological advances. This year's speaker is Regis McKenna of the McKenna Group. Mr. McKenna is an expert on advances in chip technology and will discuss some of these including smart sensors, biomedical sensors for human implants, MEMS devices and nanotechnology. If you can't make it to Chicago, the ISA Expo returns to Houston in 2003. More exciting, the Conference & Exhibit Committee has just announced that the Expo will return to Houston in 2004 as well. Watch for the keynote speakers and Rimbach lecture series then.

"Off-campus" meeting. In November, our section will host its first "off-campus" meeting. Since many of you find it hard to get to the Galleria area at lunch, we will hold our November meeting in the One Shell Plaza downtown. We hope that this provides some of our downtown members an opportunity to make the luncheon. Be sure to reserve your space early. We are limited to 60 seats. In the future, we hope to host meetings on the west side and south side of Houston as well.

And in December, we hold our joint meeting with the pipeline group. This year's speaker comes to us from the Department of Transportation to discuss the new requirements of Title 49 of the DOT regulations.

Have you got an idea for an event or a topic for a speaker that we are not covering? Please feel free to email me at dzimmerman@envalco.com. We need your input to provide a quality professional society that serves us all well.



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IMPORTANT NOTICES

Including pass-along readership, this newsletter is read by nearly 5,000 instrument professionals. We welcome articles, letters, commentary, questions, (Got a control problem or question, one of our many readers probably has a solution.), etc.

Would you like to receive this newsletter sooner via e-mail or put it on your company's intranet?

DEADLINES: All submissions should be sent or emailed to the editor by the first of the month to be published in the following month's issue. All advertising inserts must be approved by the editor prior to publication.

Les Kane, Editor,
e-mail: les.kane@gulfpub.com,
tel: (713) 520-4485.



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by Paul Gruhn, P.E., C.F.S.E.

Stagnation

Is your education / knowledge base stagnating? If it were, would you even know? Have you been involved in your career so long as to start thinking you know just about all there is to know? Do you quickly discount the opinions of others you disagree with (and think they're "wrong")? Do you not attend exhibits and symposia because you don't think you'll learn anything new? Are you of the opinion, "I don't attend classes, I give classes!"? If any of these apply, let me be the first to tell you, you've got a problem.

I've been involved with safety instrumented systems for 15 years. I've got a comprehensive library (in fact, I need another bookcase), teach, write, and am involved developing technical symposia. I'll admit I was starting to feel there wasn't much left to learn.

Knowledge doesn't develop in isolation. A lot of what I (and others) learned came from other industries and technical societies. Cross-fertilization between groups can be very beneficial. Hazard and risk analysis, reliability, and system safety have been around for 50 years. Much of it came from the weapon systems and aerospace fields. I've been a member of the System Safety Society for a dozen years now. (Its primary focus is weapon systems, aerospace and transportation). I attended (and presented at) several of its yearly conferences, but none within the past five years. I went there in the past with open ears and eyes to learn from others and see how to apply it elsewhere.

I get the societies quarterly journal and read about this year's conference. It was intriguing enough that I decided to attend. This conference is an entire five days, complete with tutorials and multiple concurrent paper sessions.

Whoa, talk about a slap in the face! What an eye opener! This was without a doubt the most interesting and informative symposium I've ever been to. I was exposed to a "bigger picture view" than I ever considered in the past. Problems and issues we've all been dealing with took on a whole new perspective.

Not without problems. Unfortunately, there are two problems with any symposium like this: 1) More sessions are going on than you can possibly attend; 2) Speakers can't cover their full topics in only 40 minutes. Thankfully, there is a written set of proceedings which are also available on CD. (You can visit <http://www.system-safety.org> if you're interested in ordering any of the conference proceedings.) Now if I can only find the time to read the 830+ pages!

So what's my message this month? Simple: No person is an island of knowledge. We learn from others and technical conferences are an excellent forum for this. I hope you plan on attending this year's fall ISA conference in Chicago in October. If not, what's your excuse? (Might it be one or more of those listed at the beginning of this article?) Are you stagnating? What might be the implication for you and your employer if your knowledge and skills aren't current? Knowledge is power and the key to competitiveness. It's in your best interest to maintain yours.



L.M. "Dutch" Keen

Section/Division Report

OCTOBER 2002

There has been a lot of discussion back and forth on the Internet about the benefits of webcasting meetings (webinars?) with the technical content being furnished by one of the 20 Divisions of the Society. A great idea whose time has come, but there is no joy in ISAville as different folks have different ideas of just how such an idea should be implemented. Certainly the Divisions and most of their representative members have the technical expertise to support such a plan, but should the Divisions "foot" the bill for the cost of the presentation or should the Section receiving the benefit of the presentation cover the expenses? Truly, each entity would be on the receiving end of the benefits package. The Section would benefit with, hopefully, increased attendance at meetings due to the presence, albeit in a different mode, of a true expert in the selected technical subject. The Divisions would benefit because, at long last, there would be a modicum of publicity for the Division, something that has been lacking at Section meetings for a long time.

So, where does that lead us? The idea, no doubt, is a good one. And it has the support of many of the influential Division leaders in the Society. It will just take some understanding by those leaders as to just what is trying to be accomplished. The folks at ISA headquarters want the technical expertise of the individual Divisions spread to the benefit of the Sections, while at the same time spreading the word that in order to be a complete ISA member you should be active in one of the technical Divisions. Not a bad scheme and one that many of us have been trying to share with our readership over the past number of years. I can't really remember just how many of these wordy Section/Division articles I've written over the past years, but it has been a bunch. Have any of them done any good? Well I guess that some of you have been inspired to become active Division members from the written word, but just how many more might opt for membership once Section meetings take on a more divisional tone? Maybe we could see a new surge in the numbers!

So, where does that leave us? ISA headquarters staff is for the idea. Division leaders seem to be for the new idea. All that remains is to find out just how the costs of such an endeavor should be shared or absorbed. Should the Sections pay for the benefit of the program? Should the Divisions pay for the program? I guess that it just remains to be seen who benefits the most once the program is put in place. One thing that is for sure, though, is that members who take advantage of this new opportunity to learn will be the ultimate beneficiaries. And, isn't that the whole idea?

So, if you are having thoughts about the benefits of your Division membership or lack thereof, take the time to find out more about the 20 Divisions of the Society. For information about the ones in the Automation and Technology Department give me a call. For the Industries and Sciences Department Divisions, drop a note to Larry Wells at lewells@gapac.com. You'll find that there is a lot to share if you are a participant.

L.M. "Dutch" Keen, P.E.
Section/Division Liaison



TRAINING CHALK TALK

If you are like me, you may not be aware of the many resources available to you as an ISA Member. One of those resources is our District VII Library, which is housed at the San Jacinto College Library in Pasadena.

A variety of training books and tapes are available for checkout to members free of charge. Here is a sampling of what the library has to offer:

- 41-tape ITTP2 training series for instrumentation technicians
- Tapes 1-14 of the Instrumentation Video training series, useful to engineers, technicians, managers, and non-technical personnel as well.

Checking materials out of the library could not be easier. ISA members can visit the library and check out the materials they desire (four tapes may be checked out at a time, for a period of one week). The library will even mail the materials to you if you cannot get to the library, with the only cost to you being the return postage. What a great opportunity to advance your knowledge and skills at little to no cost to you!

Be sure to check the ISA Houston Section Website soon for an updated list of what is available. If you have any questions about using the library's resources, please contact the library staff directly at 281-476-1837. And, of course, if you have any comments, suggestions, or questions about upcoming training courses, or training you would like to see offered, please feel free to contact us at any time:

Conrad DeGrace 281-493-2002, cdegracesr@att.net • Rebecca Peterson 832-444-4037, rpeterson@horizonconsultants.com

UPCOMING LOCAL HOUSTON ISA COURSES

TS05, Industrial Data Communications, Sept 30 - Oct 2

SP25, Wireless and Tethered Communication Systems in Sensor Integration, Oct 7-8

Technical Seminar on Relief Valve Devices, Oct 8 - 9

TI25, Installing, Calibrating and Maintaining Electronic Instruments, Oct 28 - Nov 1

For more information and registration details, visit: <http://www.houstonisa.org/education.htm#Houston%20Courses>

STUDENTS AND YOUNG PROFESSIONALS MENTORING PROGRAM

ISA has introduced a new program - EACH ONE TEACH ONE. Through this new ISA program, students and young professionals can access the wisdom and expertise of seasoned ISA members. A mentor can help a student determine if a career in measurement and control is right for him or her. Young professionals can connect with mentors for guidance in career and professional development.

Students and Young Professionals can select a mentor based on industry or technology expertise from the following listing. This is a new program and we have just begun soliciting mentors, therefore the list of mentors is relatively short at this time. Please check back, as we receive mentor registrations they will be added to this page.

For a updated and complete list of the current mentors, go the the ISA - Houston website.

ISA—The Instrumentation, Systems, and Automation Society



Houston Section -Student Mentors as of 1/12/02

<u>Industry</u>	<u>Name - State/Country</u>	<u>Phone</u>	<u>Email</u>
Chemical and Petroleum	Barry L. Mayfield – TX	713-944-0101	Blmayfld@swbell.net
Chemical and Petroleum	David Boswell – TX	281-504-3133	David.boswell@aspentech.com
Chemical and Petroleum	Ellsworth L. Young – TX	281-238-4974	E.L.Y.-Young@prodigy.net
Chemical and Petroleum	James Hunter Haw – TX	713-307-3636	James.haw@solway.com
Chemical and Petroleum	John R. Thacker – TX	713-307-3931	John.thacker@solway.com
Construction and Design	John Stevens - TX	713-561-8519	Jdstevens@bechtel.com
Marketing and Sales	Mary C. Cousins – TX	281-274-4533	Mcousins@tycoepg.com

UPCOMING TECHNICAL SEMINAR

Topic: Technical Seminar for Relief Valve Devices

When: October 8th & 9th

Where: Tyco Valves & Controls
3950 Greenbriar
Stafford, Texas 77477



Topics: Principles of operation
Weight-loaded PRVs
Direct spring-operated PRVs
Pilot-operated PRVs

Requirements of ASME Section VIII-Unfired
Pressure Vessel Code

Requirements of D.O.T. Title 49
Part 192, and ASME Guide for Natural Gas Transmission
and Distribution Systems

A tour of plant manufacturing facilities

Pressure relief valve sizing

Installing and applying pressure relief valve devices

Advantages and limitations of PRD types

Operating full-flow demonstrations of different types of pressure relief
devices are conducted at the Anderson Greenwood Crosby Test Facility
outside Houston

Course materials/certificates:

Each attendee receives:

A technical reference book containing materials covered in the seminar,
plus additional information and data on pressure relief devices for future
reference

A Certificate of Achievement:

Containing name, date of seminar, seminar title, and material content

Cost: \$275.00 for ISA members
\$347.00 for non-ISA members
(72.00 for ISA membership dues)

To attend this course contact:

mcousins@tycovalves.com or rpeterson@horizonconsultants.com

MARKETING PROFESSIONAL AVAILABLE FOR WORK

As a sales and marketing professional, I have a 25-year track record for designing focused product marketing strategies that develop bottom-line results and drive some of America's largest industrial automation companies. My unique business value is the knowledge and experience that I bring to the partnership of promoting products and services in the power, hydrocarbon processing and oil & gas markets. I separate myself from the pack by applying Six Sigma techniques in the development of results-driven metrics, and providing feedback and enhancing my employer's marketing investment. If you are ready to take your company growth to the next level please contact me (Chuck Miller) at cmille2@houston.rr.com. Full-time/part-time/contract – OK.

EDITOR'S NOTE: Are you looking for work? Are you an employer looking for people? Email me (Les.Kane@gulfpub.com) and we will try to include your message in the next newsletter.

The second Sensors for Industry Conference and Exhibition (SIcon/02) will explore the same key sensor and transducer technologies as the popular SIcon/01.

Share your experience with and knowledge of sensors by presenting at SIcon/02 in Houston, Texas, November 19-21.

Presentations can relate to any of the following:

- transducer theory and design
- multi-sensor fusion and hybridization
- smart sensors and systems
- innovative and unique sensors
- sensor systems interface/networking
- calibration systems
- sensor/systems applications
- techniques for proper use (tuning)

For complete details on SIcon/02 (co-sponsored by ISA and IEEE) including presentation submission guidelines visit <http://www.isa.org/rd.cfm?id=247>

Standard & Practices

Public review is currently underway for the following ISA Draft Standards:

- ANSI/ISA-75.11-1985 (R1997), "Inherent Flow Characteristic and Rangeability of Control Valves"

The above document (PDF) and comment sheets are available for review and download from the ISA Web site at <http://www.isa.org/standards/isareview/>.

Please contact Mike Cannon at 713-928-3181 with any questions or write to: mcannon@indecotx.com.

CALENDAR OF EVENTS

Houston ISA Pipeline Subsection Meetings Calendar At the HESS Club – 5430 Westheimer – unless noted

November 13, 2002

Variable Speed Power Transmission • Speaker: David Attwood

December 11, 2002

Pipeline Integrity & Process Safety
DOT Operations Guidelines and Regulations
Speaker: Richard Hareo

January 8, 2003

6th Annual Measurement Seminar
Keynote Speaker: Kenneth Elliott
Individual Seminars to follow Speaker

February 12, 2003

Terminal Automation with Integration to Tank Gauging
& Product Accounting • Speaker: Milton Page

March 12, 2003

Annual Scholarship Shrimp Boil &
Tabletop Show at Saint Arnold Brewing Company

April 9, 2003

Plant Tour – Reliant Park

May 21, 2003

Scholarship Awards • Speaker – NASA Representative

For the latest information please visit our website at:
www.isa.org/~pipeL

ISA Houston Section General Membership Meetings At the HESS Club – 5430 Westheimer – unless noted

October 2, 2002 (lunch)

October 17, 2002 Membership Party at St. Arnold's Brewery

November 6, 2002 (lunch) at One Shell Plaza

December 4, 2002 (lunch)

February 5, 2003 (evening) Management (Bosses) Night

March 5, 2003 (lunch)

March 3, 2003 Golf Tournament at Kingwood Country Club

April 2, 2003 (lunch)

May 7, 2003 (lunch)

June 4, 2003 (lunch)

ISA Houston Analysis Subsection Meetings At Ramada Inn, Hwy. 225 @ Richey, Pasadena

October 16, 2002
5:30 p.m.

December 18, 2002
5:30 p.m.

February 19, 2003
5:30 p.m.

April 16, 2003
5:30 p.m.

June 18, 2003
5:30 p.m.

ICCS monthly meetings are generally held on the
2nd Tuesday of each month at the HESS Building
from 5:00 pm to 7:00 pm.

Place and time subject to change.

Contact Jeannie Byford or Billy Adney
at (979)265-5556 ext. 100 or automation@manganinc.com

Miscellaneous Dates of Interest

2003 – May 04-08 Aerospace Industries, Test Measurements Divisions' 49th International Instrumentation Symposium Orlando, FL

2004 – May 02-06 Aerospace Industries, Test Measurements Divisions' 50th International Instrumentation Symposium Dallas, TX

2005 – May 01-05 Aerospace Industries, Test Measurements Divisions' 51st International Instrumentation Symposium Las Vegas, NV

Analysis Division Spring Symposium Meeting Schedule

2003 - Apr 06-10 - 48th Annual Calgary, AB, Canada
2004 - Apr 18-22 - 49th Annual Cincinnati, OH/Lexington, KY
2005 - Apr 10-14 - 50th Annual Research Triangle Park, NC
2006 - Apr 02-06 - 51st Annual New Orleans, LA
2007 - Apr 15-18 - 52nd Annual Houston, TX
2008 - Apr 2008 - 53rd Annual Newark, DE
2009 - Apr 2009 - 54th Annual Baton Rouge, LA
2010 - Apr 2010 - 55th Annual San Antonio, TX

ISA International Fall Conference & Exhibit Schedule

2002 - Oct 21-24 ISA/2002 Conference & Exhibit McCormick Place South Chicago, IL
2003 - Oct 20-23 ISA/2003 Conference & Exhibit Reliant Hall Houston, TX
2004 - Sep 20-23 ISA/2004 Conference & Exhibit Morial Convention Center New Orleans, LA
2005 - Nov 07-10 ISA/2005 Conference & Exhibit McCormick Place North Chicago, IL
2006 - Oct 16-19 ISA/2006 Conference & Exhibit George R. Brown Houston, TX
2007 - ISA/2007 Conference & Exhibit McCormick Place Chicago, IL
2008 - ISA/2008 Conference & Exhibit Brown or Reliant Houston, TX
2009 - Oct 05-08 ISA/2009 Conference & Exhibit McCormick Place North Chicago, IL
2010 - Oct 13-16 ISA/2010 Conference & Exhibit Morial Convention Center New Orleans, LA



As you may know, ISA introduced ISAMarketplace.org (<http://isamarketplace.org>) as a service to members and customers who buy or sell instrumentation, systems, and automation products and services. In our continuing effort to serve and inform our membership and customers, we would like to ask you to consider running an ad and/or article about ISAMarketplace.org in your next newsletter.

You'll find a news article file at: <http://www.isa.org/inside/news/1,1160,1502,oo.html>
and ad files at: <http://www.isa.org/fmo/newsweb/ads/#marketplace>.



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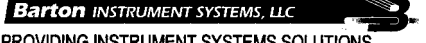



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Notice: 8th International Temperature Symposium

The 8th International Temperature Symposium will focus on fundamental research and practical solutions for temperature measurement and control. ISA and NIST invite you to be a part of this special event, held just once every 10 years.

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- Resistance Thermometry
- Temperature Scales
- Radiation Thermometry
- Instrumentation & Data Analysis
- Thermocouple Thermometry
- Thermistor Thermometry
- Harsh Environment Thermometry
- and more...

Location: McCormick Place South, Chicago, IL Date: 21-24 October 2002

Sponsored by: ISA - The Instrumentation, Systems, and Automation Society (ISA); and the National Institute of Standards & Technology (NIST)

Advertising Rates for Houston Section Electro Pneus

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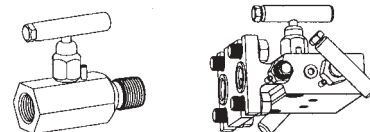
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