



# ISA Pipeline Subsection Newsletter

Volume 18, Issue 2

October, 2010

## Chairman's Message

By Steve Martindale



Greetings,

Well this summers grip on the Houston area has been a tight one. With September record setting heat indexes, fall won't get here soon enough. I don't know about you but I'm done with the "air you can wear" and ready for a little cool breeze.

Speaking of taking some heat, the U.S. pipeline industry is really in the cooker. With the recent tragic gas pipeline leaks and explosions in Texas and California along with crude oil pipeline leaks in Michigan and Illinois the National Transportation Safety Board has been working in overdrive. Lawmakers in Washington are taking aim at both the pipeline industry and the federal regulators that oversee them. At a recent hearing the chairman of the House Transportation and Infrastructure Committee commenting on one of the pipeline companies said it lacks "a culture of safety" and that the U.S. Pipeline and Hazardous Materials Safety Administration is "a disaster of its own". This can only mean one thing....more regulations.

From what I have been able to gather there are a couple of issues that will need to be addressed. One is the aging infrastructure all across

See CHAIRMAN on page 2

## Meeting Notice

### Wednesday - October 13, 2010

### H.E.S.S. Building 5430 Westheimer

11:30 a.m. Registration

11:45 a.m. Lunch: \$30.00

12:15 p.m. to 1:00 p.m. Presentation

*\$20.00 with paid reservation*

**\$25 with reservation & \$30 no reservation**

(cash or check at meeting)

**Make Reservation at: [www.isapl.org](http://www.isapl.org)**

### "Theory and Application of Pulse Interpolation to Prover Systems"

**Speaker: Galen Cotton**  
**Applied Metrology**

The presentation will take an in-depth look at the use of Pulse Interpolation as it applies to reduced volume provers (captured piston provers in current API parlance), or Small Volume Provers (SVP) and the implicit in reliability of the technique where the fundamental conditions implicit in its use prevail.

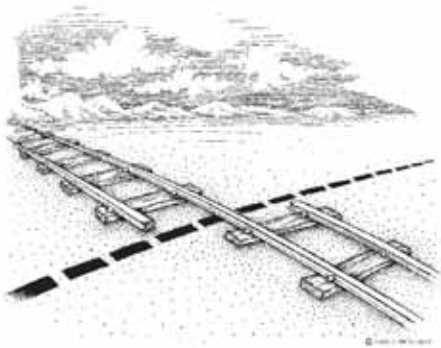
Galen Cotton has over 33 years experience in the design and application of measurement and control technologies in the petroleum, chemical, petro-chemical, pharmaceutical, and food and beverage, municipal and semiconductor industries.

Galen is an API Member and has served on the Subcommittee for MPMS 4.8, Proving; Subcommittee for MPMS 5.7, Ultrasonic Flowmeters. He is an inventor with several US Patents and is a Senior Member of the ISA.



# The International Society of Automation

**Precision:**  
Society has taught us  
that precision is vital  
for all kinds of  
engineering.



Happily, we offer the  
most precise  
instruments on the  
market thanks to  
Tunable Diode Laser  
Spectroscopy.

**SpectraSensors**  
www.spectrasensors.com

## CHAIRMAN

*Continued from Page 1*

the nation. In Pennsylvania for example, some of the pipelines are 120 years old and about 25% of its gas pipelines are made of unprotected cast iron and bare steel. Massachusetts estimates almost one-third of its aging distribution lines are cast iron that were laid from the late 1800s to the 1940s. Hundreds of miles of pipe in New York State are made of the leak prone cast iron. Tens of thousands of miles of pipelines that run beneath communities nationwide are old or decaying and in serious need of replacement.

The process for replacing old pipelines isn't an easy one. Gas companies have to front the money to replace the lines and then petition state regulators for reimbursement. What happens more often is, the utilities and customers won't pay the millions of dollars to replace the corroded pipes, the lines fail and regulators act only after a disaster.

The other major issue that needs attention is the lack of sufficient federal inspectors. I know that most pipeline operators are very conscientious about following

federal safety guidelines and many go above and beyond the minimum requirements. However, if the regulations exist to protect the lives and property of our society and federal inspectors have the responsibility to ensure these protections are being enforced, then we better make sure there are enough inspectors to adequately protect us. What a tragedy it will be if there continues to be incidents with life changing consequences that could have been prevented if only they had been caught in time.

I'm sure that in light of recent events we will hear more and more about new regulations that will be proposed by lawmakers and hopefully they will also consider a solution to our aging infrastructure. Stay tuned.

I leave you with this thought from H. G. Wells (1866 – 1946), Outline of History (1920): *“Human history becomes more and more a race between education and catastrophe.”*

Stay safe.

*Steve Martindale*

Steve Martindale  
General Chairman  
ISA Pipeline Subsection  
ISA Houston Section



## September Meeting

Alan Stearns with Cameron Measurement Systems was our speaker.

Shown here discussing the Design and Uncertainty of Multi-Product Automatic Sampling Systems

 **CAMERON** SMITH METER INC.  
Measurement Systems INVALCO  
NOSHOK  
LINCO Electromatic CUSTODY TRANSFER  
713.849.1440 SYSTEMS  
www.lemc.com



P.O. Box 890649  
Houston, TX 77289  
(281) 484-4830 / TEL  
(281) 484-5456 / FAX  
info@techquip.com  
www.techquip.com

# ISA and Pipeline Industry Events Calendar

## 2010

September 8th	First Meeting FY10/11	at HESS
October 13th	Regular Meeting	at HESS
November 10th	Regular Meeting	at HESS
December 1st	Joint Meeting with ISA Main Section	at HESS
December 6th	Annual Golf Tournament	at Bear Creek

## 2011

January 12th	Measurement Seminar	at HESS
February 9th	Regular Meeting	at HESS
March 9th	Annual Shrimp Boil & TableTop	Farm & Ranch
April 13th	Tour	TBA
May 18th	Scholarship Meeting	at HESS

For more speaker information, other events, registration forms for events, scholarship rules & application form, newsletters or additional information visit the Houston ISA Pipeline Subsection web site at: [WWW.ISAPL.ORG](http://WWW.ISAPL.ORG)



### SALES & SERVICE

713-462-6200 [www.allesco.com](http://www.allesco.com) Fax 713-462-6249  
14375 Sommermeyer Rd. Houston, TX 77041

Honeywell Enraf



- ◆ FLOW PROVERS – DENSITY METERS
- ◆ CUSTODY TRANSFER FLOW METERS
- ◆ FIRE & GAS DETECTION
- ◆ WIRELESS COMMUNICATION
- ◆ ULTRASONIC CHECK METERS
- ◆ FABRICATED SKID SYSTEMS



OMNIGUARD ♦ DELPHIAN ♦ FLEXIM

## ISA Pipeline Subsection

For the latest news visit our web site at:  
[WWW.ISAPL.ORG](http://WWW.ISAPL.ORG)



Specializing in the Design and Manufacturing of:

- Control Buildings • PLC Panels
- Marshalling Bldgs. • Marshalling Panels
- MCC Buildings • Relay Panels
- DCS Buildings • Junction Boxes

5601 W Sam Houston Pkwy N Houston, TX 77041 Ph. (713) 465-7591 Fax (713) 465-7664

Your partner for moisture, hydrocarbon dew point and oxygen analysis

In natural gas production, transmission, storage and conditioning.



**MICHELL Instruments**  
daryl.runge@michell.com • 281-728-3982

# Rawson

## Instrumentation Controls & Valves

Ph: 713-684-1400  
Fax: 713-684-1409  
Web Site: [www.rawsonlp.com](http://www.rawsonlp.com)



**Marcus Marinacci**  
Marketing & Sales

Design • Fabrication • Installation

In Houston: 281-855-6400 Ext. 412 Fax: 281-855-6743  
Outside Houston: 936-372-2100 Fax: 936-931-1300  
E-mail address: [MarcusM@akicontrols.com](mailto:MarcusM@akicontrols.com)  
1219 Farr St. P.O. Box 444 Waller, TX 77484



## One Source for Measurement Solutions That Fit Your Every Need.

Contact your Houston sales team for Smith Meter® products at 281 260 2173 or Measurement Technologies, Inc. at 281 930 8100 for 24/7 aftermarket product and field support.



2" - 16" PD Meters



2" & 3" Genesis™ Series PD Meters



Load Rack and Pipeline Turbine Meters



Helical Turbine Meters



Valves and Line Accessories



Liquid Ultrasonic Meters



Electronics Including AccuLoad® III and microLoad.net



Proline® Promass Coriolis Meters

Now Working With You Directly in the Greater Houston Area

[www.fmctechnologies.com/measurementsolutions](http://www.fmctechnologies.com/measurementsolutions)



The  
International Society  
of Automation

ISA Pipeline Subsection  
P.O. Box 2821  
Stafford, TX 77497-2821



MEASUREMENT SYSTEMS

Measurement & control instrumentation  
for the global oil & gas process control  
industries

**Flow Metering**

Turbines  
Orifice Plates & Fittings  
PD Meters  
DP Cone Meters  
Ultrasonics

**DPUs**

Recorders  
Controllers  
Switches  
Indicators

**Flow Electronics**

Flow Computers  
Totalizers  
Transmitters

**Flow Analysis**

Water Cut  
Sampling

**Relief Valves**

[www.c-a-m.com/flo](http://www.c-a-m.com/flo)

NUFLO | BARTON | CALDON | CLIF MOCK

**ABB TOTALFLOW**

Measurement & Control Systems

[www.ABB.com/totalflow](http://www.ABB.com/totalflow)

433 Northpark Central Dr. Houston, TX 77073  
Tel: 281.869.5211  
Fax: 281-869-5203



**Flow Computers / Controllers  
for Measurement and SCADA**

12620 W. Airport Blvd. Suite 100,  
Sugar Land, Tx 77478

Phone: 281-240-6161 Fax: 281-240-6162

Website: [www.omniflow.com](http://www.omniflow.com)

E-mail: [sales@omniflow.com](mailto:sales@omniflow.com)



- Interface Detector
- Online Oil Water Detector
- Isokinetic Automatic Sampling System

3939 Ann Arbor Drive Houston, TX 77063  
Tel 713 784 0000 Fax 713 784 0001

[www.Kam.com](http://www.Kam.com)



ISO 9001:2008

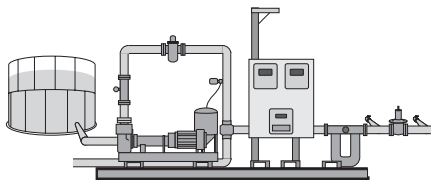
THE EADS COMPANY

(800) THE-EADS  
(713) 781-3000  
(713) 781-7002 Fax

- Instrumentation
- Valves and Accessories
- Plant Specialty Equipment
- Filtration and Separation

8020 Westglen Dr., Houston, TX 77063  
[www.eadslink.com](http://www.eadslink.com)

**Bayer Engineering and  
Technical Sales**



*Technology and design for custody transfer*

- Flow Meters
- Control Valves
- Flow Computers
- Provers - Piston and Ball
- Level Monitors and Control
- Turn-key Engineered Solutions

**Bayer Engineering and Technical Sales**

Roger Thornton T (888) 895-8189  
P.O. Box 429 F (936) 291-8191  
Dodge, Texas 77334-0429 [www.bets-co.com](http://www.bets-co.com)

Remote site, field locations,  
stand-alone power and electronics.  
Solar Power, DC-UPS, AC-UPS, and  
Custom integration solutions.

Give us a call!

877.340.1224

[www.solarcraft.net](http://www.solarcraft.net)

**Your stuff  
goes here.**

Power & electronics in one box.

**SOLARCRAFT**  
POWER PRODUCTS

Online Sulfur Analyzers  
Custody Transfer Flow Meters  
Flow Computers for Fiscal Measurement  
and Control of Gases and Liquids

**Thermo**  
SCIENTIFIC

713.272.0404

[www.thermo.com](http://www.thermo.com)

"Proven Technology, Off-the-Shelf Solutions"

**Dynamic**  
Flow Computers

*The Next Generation Flow Computers*

- Easy configuration.
- Rugged Hardware
- Custody measurement for oil and gas in the same unit.

(281) 565-1118 Fax: (281) 565-1119  
[www.dynamicflowcomputers.com](http://www.dynamicflowcomputers.com)