Meeting Date: October 18, 2017
Place: Monument Inn Restaurant
4406 Independence Parkway
La Porte, TX 77571
Time: Social Hour & Cocktails: 5:30 - 6:30 PM
       Dinner & Presentation: 6:30 - 8:00 PM
Speaker: Ed Bauman, Lee College
Topic: ATOP - Yesterday, current, and the future of the Analytical Technology education at Lee College
RSVP: Please email or call Court Sullivan by October 17th. court.sullivan@us.yokogawa.com or (281) 325-1886
Hurricane Harvey, a category 3 storm ravaged the greater Houston area and other cities along the U.S. gulf coast. According to some reports, the storm was responsible for a 500-year flood, which produced very high water levels rising very rapidly in many areas. The storm itself was the direct cause of more than 60 fatalities, many more injuries, and untold human suffering. Reports have categorized this storm and its outcome as the costliest one in U.S. history, with damage and rebuilding estimates greater than 100 billion dollars.

The storm also extensively battered the chemical, oil, and gas industry. The approaching storm, and the storm itself, caused industry all along the gulf coast to come to a grinding halt, forced shutdowns, and a stoppage of production. Chemical plants are designed to withstand all kinds of scenarios, including hurricane-force winds and floods; however, the severity of Harvey (characterized by some as a 500-year event) has thrust the industry into uncharted territory.

The Houston Analysis Subsection has elected to contribute funds to the recovery efforts from Harvey’s destruction. Checks in the amount of $ 30,000.00 have been distributed to organizations in the local area to assist with Harvey Flood Relief. Consideration was given to the funds being used in the local area, no administrative fees, and assistance on a personal basis. National organizations were considered and found unacceptable due to the preceding reasons.

Checks in the amount of $ 10,000.00 each have been provided to Life Bridge Church, Southeast Church of Christ, and Bethel Church of Houston. We have been assured these funds will directly benefit victims of the Harvey devastation. Our thanks to the volunteers, sponsoring vendors, and all who participate in the activities of the Houston Analysis Subsection.
ISAHAS 2017 Shrimp Boil Sponsors:

GOLD SPONSORS

ADJ

SIEMENS

Ingenuity for life

TECHSTAR

www.techstarinc.com

SILVER SPONSORS

RBI SOLUTIONS

PAN TECH CORPORATION

SOUTHERN ANALYTICAL, INC.

KIN-TEK

O'BRIEN

SICK

Endress + Hauser

UNIVERSAL

Sensor Intelligence.

HORIBA

BRONZE SPONSORS

CONTROL ANALYTICS, INC.

SWAGELOK

PROCESS AND ENVIRONMENTAL INSTRUMENTATION

THORNTON ANALYTICAL SYSTEMS COMPANY

thermo scientific

MTI ANALYTICAL TECHNOLOGY

Thank You 2017 Shrimp Boil Volunteers!

Heather Barnett – TechStar Instrumentation & Services
Jennifer Broussard – Siemens Industry, Inc.
Wes Carter – Shell Global Solutions (US) Inc.
Eddie Caso – Yokogawa Corporation of America
Cindy Cauthen – Siemens Industry, Inc.
Joshua Christian – Servomex Company, Inc.
Mike Copenhaver – Yokogawa Corporation of America
Butch Dailey – ABB, Inc.
Ron Eddleman – Control Analytics, Inc.
Scott Eddleman – Yokogawa Corporation of America
Louis Gansky – Servomex Company, Inc.
Darryl Hazlett – Retired
Tom Hoffman – Retired
Shana Kiser – Servomex Company, Inc.
Blake Littlejohn – TechStar Instrumentation & Services
Cheryl Marlatt – RBI Sales
Rocky Marlatt – RBI Sales
Dale Merriman – MTI Analytical Technology
Roy Muston – Consultant
Dan Podkulski – ExxonMobil Chemical Company
Garrett Robinson – TechStar Instrumentation & Services
Ismael Saenz – ENGlobal Systems, Inc.
Court Sullivan – Yokogawa Corporation of America
Ernie Trcka – RBI Sales
Jerry Zlomke – Siemens Industry, Inc.
The 63rd Analysis Division Symposium will be 22-26 April 2018 in Galveston, TX, USA

This symposium is recognized as the outstanding forum for discussions of new and innovative analytical techniques, developments, and applications for process and laboratory. Speakers and attendees to the symposium are world-wide and share the opportunity to speak to an international audience, participate in informal discussions and social gatherings, and acquire the latest information about analytical sciences.

Papers are accepted which address topics in chemical analysis including methods, applications, hardware and software, systems and operation, and maintenance. Subject content may concern technology in development or technology applied in industry practice. Proceedings are marketed and sold globally. An International Standard Book Number (ISBN) will be assigned to the proceedings.

General subject areas of interest
- Chemical Analyzers
- Systems Integration
- Physical Properties
- Maintenance
- Spectroscopy
- Chromatography
- Gas Detectors
- Sampling Systems
- Emerging Technologies
- Validation / Calibration
- Environmental

Submission guidelines
All papers are reviewed by the Analysis Division Paper Review Committee and must conform, or be modified to conform, to Analysis Division and ISA format and content guidelines. Papers must address the technology and may not be commercial in nature.

All papers must be submitted in electronic format (Microsoft Word) suitable for publication in the proceedings by the deadlines indicated below. All overhead slides or presentation materials used at the symposium must be provided in electronic format (Microsoft PowerPoint) prior to the symposium for review and approval. A publication release form is required by ISA for all papers.

To submit
An “Intent to Present” is due immediately to Mike Chaney, the Technical Program Chairman, at mikechaney251@gmail.com, with abstracts submitted by 10 December 2017 to the Paper Review Committee Chairman, Paul Cammarata at pcammarata@dow.com.

Submission Schedule for Paper Presentation
Draft Paper to Review Chairman: 14 January 2018
Reviewers’ Comments to Authors: 18 February 2018
Final Paper for Publication: 04 March 2018
Papers Sent to Publisher: 18 March 2018
Oral Presentation Electronic Materials: 08 April 2018
Symposium Presentation: 22-26 April 2018

AD’2018 Symposium Chairperson
Cindy Cauthen cpcauthen@yahoo.com
PROCESS & LAB ANALYZERS
Industry trusted analyzers for rapid & reliable analysis of
H₂S, CO₂, Total Sulfur, VOC, Oil & More

Liquid Phase:
- Hydrocarbon VOC in Water
- Oil in Water
- H₂S in Liquids
  (crude, water, diesel, & more)

Gas Phase:
- H₂S
- CO₂
- Total Sulfur

Visit us at www.LiquidGasAnalyzers.com
Phone: (713) 462-6116 | Fax: (281) 351-8925 | sales@asikeco.com

Engineered HOT BOX Solution
Protective Cabinets for High Maintain Temperatures

- Made with Glass fiber Reinforced Polyester (GRP) with PU foam or mineral wool core
- Sandwich construction with extremely high insulation properties
- Avoids thermal bridges between the inner and outer skin of the cabinet, thus ensuring the heat remains in the cabinet and the outer surface remains cool even at internal temperatures in the cabinet of 284°F (140°C)
- Protection degree IP65 (IEC EN 60529)
- Precision CNC construction
- Maintain temperatures up to +284°F (+140°C)
- Smart heating system with digital, solid state PID control ensures precise temperature control

11050 West Little York Road, Building M, Houston, TX, 77041  866-381-8350
255 Henry Drive, Sarnia, ON, N7T 7H5  888-875-8756
INTELLIGENT SOLUTIONS FOR CONTINUOUS GAS ANALYSIS

THIS IS SICK
Sensor Intelligence.

Automation and continuous monitoring of industrial processes are essential to achieve the best profitability and safety for chemical and petrochemical production plants. SICK offers a broad product portfolio for gas analysis, flow metering and particulate measurement. The devices use cutting-edge technology and cover extractive as well as in-situ techniques. They are designed to cope with aggressive environments and hazardous process conditions. We support our customers with intelligent, tailor-made solutions, which include sample conditioning systems and system integration. With a strong, expanding presence across the country, SICK is able to provide full after-sales support covering spare parts, repairs, field service and customer training. We think that’s intelligent. [www.sickusa.com](http://www.sickusa.com).
Analytical Products and Solutions

Complete Process Analytical Solutions
Your Process Analyzer Expertise That Doesn’t Retire

We provide leading edge products, from Process Gas Chromatography, Continuous Gas Analyzers to Laser Spectroscopy. We utilize front-end turnkey engineering to provide the best analytical solution. Engineering turnkey system solutions ensures single responsibility, dependability and risk mitigation for you. Our best-in-class life cycle support ensures the highest online analytical measurement utilization.

For more information, please contact:
ProcessAnalyticsSales.industry@siemens.com

usa.siemens.com/analyticalproducts
NOW YOU HAVE A CHOICE

- Made in the USA
- Same or better performance
- Increased reliability – better cycle life
- Little or no cost of change – in fact, you’ll reduce costs
- ‘Drop in Fit’ dimensions match popular industry designs
- Industry’s only blowout proof stem

www.mySSPusa.com  |  832.857.8837  |  Mike.Leidy@mySSPusa.com

1st
to bring TDLs to Hydrocarbon Processing.
Over 10
years of proven experience.
7,500+
TDL analyzers installed.
Thousands
of successful partnerships.

... but who’s counting?

Experience counts.
SpectraSensors™
An El Paso Reuter Company

www.spectrasensors.com
800-619-2861
Marketing@spectrasensors.com
©2015 SpectraSensors, Inc.
**Calendrier des événements**

**Subdivision d'analyse ISA Houston**

**Programme**

- **Octobre 2017**
  - 18ème réunion, Monument Inn Restaurant

- **Décembre 2017**
  - Réunion du 20ème décembre au Monument Inn Restaurant (dîner traditionnel de Noël)

**Dates importantes**

- **2018**
  - 22-26 avril : ISA AD Spring Symposium à Galveston, Texas

---

**EcoChem Analytics**

**Process and Continuous Emissions Monitoring Systems (CEMS)**

**Contact**

281-338-9888
www.ecochem.biz

**Systèmes d'installations de turn-key, abris de construction ou remorques mobiles - Achat ou location**

**Tous les composants majeurs fabriqués par EcoChem - Une seule fournisseur assume la responsabilité totale**

**EcoChem’s MC3 Multicomponent analyzer can measure up to 8 gases simultaneously (out of NOx, NH3, N2O, SO2, CO, HCl, HF, HCN, CO2, H2O and O2)**

**Cas d'étude :**

**RÉDUCTION CATALYTIQUE SELECTIVE (SCR)**

**Cas d'étude :**

**RÉDUCTION CATALYTIQUE SELECTIVE (SCR)**

**Pour un process SCR, la mesure de NOx et l'ammoniac de fuite en temps réel a des avantages significatifs :**

- Injection d'ammoniac à haute concentration peut entraîner des NOx de fuite en trop faible quantité et une fuite excessive d'ammoniac (coûts opérationnels plus élevés)
- Injection d'ammoniac à faible concentration peut entraîner des NOx de fuite en trop faible quantité et des émissions excessives (possible violation réglementaire)

**EcoChem’s MC3 System can help you do better process control and operate at optimal levels.**

---

**MTI**

**Analytical Technology**

**A Division of MerTech Incorporated**

**ISA Fellow**

**Dale C. Merriman, CSAT**

P.O. Box 571866 • Houston, TX 77257-1866 • USA
P: 713.978.7765 • F: 713.583.9423 • C: 713.203.9191
dcmerriman@mertechinc.com
www.mertechinc.com

---

**ANALYZER METRICS INC.**

**Nous spécialisons dans la recalibration de Panametrics Al2O3, des capteurs d’humidité**

- **Retour rapide**
- **Service professionnel**

T: 781-447-4570  E-mail: sales@analyzermetrics.com
F: 781-447-4584  www.analyzermetrics.com

---

**Important Dates!**

**2018 April 22 - 26 ISA AD Spring Symposium in Galveston, Texas**
Space Available!
Contact: court.sullivan@us.yokogawa.com
Integration - Sales - Service

System Integration
- Shelters - Cabinets - Racks
- General Purpose and Hazardous Area
- Drawings and Documentation
- PLC Programming
- Custom Design and CAD

Service
- Factory Trained Technicians
- In House Service Center
- Site Service, Site Assessments
- Start-up and Commissioning
- Service Contracts
- 24/7/365 Service Hotline
- Training

Sales
- Analyzers
- Sample Systems
- Probes
- Components
- Spare Parts
- Gas detection
Reduce RVP Giveaway and Increase Blended Gasoline Profitability using our RAMAN Technology!

- Butane costs ~25% to 30% less than most other high octane blend components
- Blending more butane into summer blends while staying under government Reid vapor pressure (RVP) regulations can significantly improve profit
- Unlike many other forms of spectroscopy (e.g., near-infrared (NIR)), Raman can accurately detect butane levels in gasoline blends
- Measures “mogas” RVP to within 0.1 psi to 0.2 psi over a wide range — 5 psi to 16 psi using a single chemometric model

Improved RVP Measurements
- Breaking up a full range RVP model (5 psi to 16 psi) into multiple smaller, sub-blend models that match seasonal blends can greatly improve online RVP standard error of prediction (SEP)
- One 240,000 bpd Bay-area refinery using Raman reduced their RVP SEP target from 0.2 psi to 0.1 psi for summer blends (SEP x 2 = ASTM “R”)
- Annual RVP GIVEAWAY savings of $6 million

Modeling Best Practices
- Typical RVP blends are covered with two to four sub-blend models
- Process Instruments offers proprietary PROspectTM real time online prediction software throughout the blending season
- State of the art modeling techniques
- Automatic Selection of the correct RVP range model
- Does not require a large number of samples to achieve stated accuracy

Space Available!
Contact: court.sullivan@us.yokogawa.com

Space Available!
Contact: court.sullivan@us.yokogawa.com