

November 3, 2015



CCAMS Newsletter

CCAMS Measurement School February 16-17 2016

Just a follow-up newsletter and reminder of the upcoming school to be held at the **Omni Bayfront Hotel** in Corpus Christi in February.

The hotel underwent major renovations to their meeting rooms and exhibit hall last year and will be an excellent venue for the school. The hotel is one of the finest hotels in Corpus Christi with plenty of sights to see and plenty of restaurants nearby. The room rate for the school is **\$135**, which includes free parking in the covered garage at the hotel. Be sure to book your room with the hotel before **January 18th** to receive the rate indicated above. Let them know you are with the CCAMS school.

Student Registration Website Open

The student registration website is open and is the same as it has been the past few years. We use Constant Contact for our registration site which offers a painless method to register and pay for the school. The cost of the school this year is **\$125** (until **February 1st**) and then **\$150** after that date.

You can register and pay for the school on the link below via PayPal. You don't need a PayPal account to pay, just your normal credit card. The CCAMS does not see your credit card number so we do not have that information which makes it a safe way for you to pay.

You can access the student registration site at the link below:

<http://events.r20.constantcontact.com/register/event?oeidk=a07eboe8hao4f04719d&llr=758runkab>

If you have specific questions about the school or registration issues please contact:

Joyce Boyce: Southwest Research Institute-Registrar

Phone: 210-522-2435

Email: joyce.boyce@swri.org

Exhibitor Information

Anyone interested in exhibiting at the school next year will need to contact Bill Stahl or Lisa James about eligibility and availability of space. We are committed to only accepting exhibitors who have a definite role in hydrocarbon measurement and quality at our school.

Bill Stahl: RBI Solutions- Exhibits

Phone: 281-208-8898

E-mail: bstahl@rbisolutions.com

Lisa James: Cameron – Class Schedule/Program

Phone: 832-421-0981

E-mail: lisa.james@c-a-m.com



Tentative Class Listing

Below is a tentative list of classes that will be held at the school. We have not finalized our class schedule or the instructors for the school, but this will give you an idea of what we typically offer. Our instructors are pulled from many different companies in the oil and gas business, and most of them teach at many of the other schools across the country. We try to get the best instructors available for our school. Most are glad to come to South Texas in February, but the weather at the last two schools hasn't been as nice as we typically have. We think it was because there were some Canadians that came the past two years and brought down some cold air with them.

If you happen to have a specific topic for a lecture or hands-on class please get in touch with Lisa James and she will see if we can make it happen. We are always looking for different classes that would be of interest to our students.

Tentative Class List

Lectures

Advancements in Non-Intrusive Ultrasonic Flow Meters
Basic Electronics for the Field Technician
Basic Natural Gas Orifice Measurement AGA 3/API 14.3
Best Practices-Natural Gas Manifolds
Calculation of Liquid Petroleum Quantities
Challenges of Metering Eagle Ford Gases & Liquids
Common Mistakes in Liquid Measurement
Coriolis Meter Advanced Diagnostics
Coriolis Meters: Theory of Operations in Liquids
Custody Transfer Ultrasonic Meters for Liquid Measurement

Design and Operation of Continuous Sampling Systems
Determining BS&W Content in Crude Oil / by Centrifuge and Karl Fischer
Effective Decision Making
Field Experience with Liquid Coriolis Meters
Flare Measurement Practices
Flow Computers for Liquid Measurement
Fundamental Well Site Automation
Fundamentals of Gas Chromatography
Fundamentals of Liquid Measurement
Fundamentals of Natural Gas Quality
Gas Entrainment in Liquids and the Effect on the Mass Measurement of a Coriolis Meter
Guided Wave Radar Tank Gauges
Hand-working Crude Oil Lease Tanks
Hydrocarbon Spectroscopic Analysis
Installation and Operation of Densitometers
Installation and Operational Errors in Gas Measurement
Laboratory Calibration of Gas Ultrasonic Meters & Basic Installation Effects
Level Controls and Valves, and Their Effect on Measurement
Liquid Flow Measurement with Net Oil
Liquid Meter Proving Systems and Techniques
Liquid Metering Station Design
Lost and Unaccounted for Gas (LUAFG)
Meter Proving-Role of the Witness
Metering Truck and Railcar Offloading
Modbus for Dummies
Natural Gas Flow Meters. Why Calibrate?
Natural Gas Sampling Challenges in Eagle Ford



Tentative Class Listing

Happy Thanksgiving from the Officers and Boardmembers of the CCAMS

Lecture Class List continued

Orifice Meter Field Testing and Calibration
Production Application Measurement
Production Equipment Effects on Orifice Measurement
Proper Design of Crude Oil LACT Units
Proving Liquid Coriolis Meters
Reducing Uncertainty in NGL and Natural Gas Sampling
Tank Gauging Vs. Inline Metering
Troubleshooting Liquid Measurement Problems
Turbine Meters in Liquid Measurement
Upstream Gas Sales Verification
Verifying Crude Oil Sales Quantities
Wireless Technology for the Oilfield

Tentative Hands On Class List

Accutech Wireless Instrumentation
AutoPILOT Flow Computers
Flow Management Devices Small Volume Prover
Micro Motion 5700 Transmitter
Liquid Meter Skid Electrical Component Demo
Omni Flow Computers
Programming and Troubleshooting Guided Wave Radar in Oilfield Storage Tanks
Prolink 3 Software with Meter Verification
Proper Use of Fluke 754 Hart Test Meter
Repairing Positive Displacement Liquid Meters
Totalflow Flow Computers

Happy Thanksgiving from all of us with the Corpus Christi Area Measurement Society.

Each of us donate our time and energy to provide you with a quality school each year. We have all enjoyed prosperity and good fortune in the hydrocarbon industry and we want to share some of our knowledge and skills with those who are coming up in this business. We are all fortunate to be working in an industry where many people can grow and thrive. We also are aware of the harsh reality of the free market and the fact that many of our friends and colleagues have lost their jobs in this industry. The oil and gas industry has been cyclical for many decades and appears to continue to be so. While you enjoy the holidays with your family, please take some time to reflect on those that are less fortunate than we are. They may need some support and guidance from us to help them through their tough times, especially during the holidays.

