

	Nueces Ballroom A	Nueces Ballroom B	Laguna Madre	Aransas	Copano	Matagorda	Bayview Room (First Floor)
<b>Tuesday, February 19, 2019</b>							
<b>Lecture Classes</b>						<b>Hands On / Product Specific Classes</b>	
7:30 - 9:30	<b>Registration / Exhibits Open</b>						
9:30 to 10:00	<b>School Opening Remarks in Registration Area</b>						
10:00-10:50	<b>Fundamentals of Gas Measurement</b> Taylor Barker Coastal Flow	<b>Fundamentals of Liquid Measurement</b> Jerry Upton PETEX	<b>Natural Gas Flow Meters - Why Flow Calibrate?</b> Terry Grimley SWRI	<b>Overview of API 5.6 Coriolis Meters</b> Kyle Barry Emerson/MicroMotion	<b>Operational Experiences with Rail Car and Transloading Applications</b> Martin Dudley Absolute Measurement Consulting LLC	<b>MicroMotion Coriolis Meters</b>	<b>Ametek Optical Oxygen Measurements</b>
11:00-11:50	<b>Proper Design of Crude Oil LACT Units</b> Bob Petty Bobco / SCS	<b>Liquid Flow Computer Troubleshooting Panel</b>	<b>Mythbusters: Why Orifice Measurements Are Better Than You Think</b> Steve Ifft Emerson - Daniel	<b>Liquid Metering Station Design</b> Mike Brown Oil & Gas Process Specialties	<b>Smart Optimization of Measurement and Automation Data</b> Braden Robinson ABB Oil & Gas Solutions	<b>Invalco S&amp;W Monitors</b>	<b>No Class (Prep for Lunch)</b>
12:00-1:30	<b>Lunch</b>						
1:30-2:20	<b>Troubleshooting Liquid Measurement Problems</b> Jim Lee ONEOK	<b>Production Application Measurement</b> Todd Meador KWI	<b>Ultrasonic Meters for Gas Measurement</b> Joel Nava SICK	<b>Determining BS&amp;W in Crude Oil by Karl Fischer and Centrifuge</b> Craig McWhorter Kam Controls	<b>Everything You Ever Wanted to Know about H2S Measurement</b> Kurt Webber Galvanic Applied Science	<b>Flow Management Devices Provers</b>	<b>Sampling Analysis for the Lab</b>
2:30-3:20	<b>Overview of COPM API Standards</b> Lisa James ABB	<b>Pulsation Induced Errors in Measurement</b> Royce Miller SPL	<b>Driving Down Costs with Wireless Automation</b> Glenn Longley OleumTech	<b>NGL Measurement - Direct and Inferred Mass</b> Dean Minehart MicroMotion	<b>Crude Oil Sampling</b> Duane Rowan Cameron	<b>Operation &amp; Maintenance of Daniel Senior Fittings</b>	<b>General 4-Way and Twinseal Valves</b>
3:30-4:00	<b>Break</b>						
4:00-4:50	<b>Calculation of Liquid Petroleum Quantities</b> James Lee ONEOK	<b>Operation and Maintenance of Dual Chamber Fittings</b> Lane Plauche TMCO	<b>Why is Water Cut Measurement Difficult?</b> William Scott Phase Dynamics	<b>Coriolis Meters – What Makes Them Tick and What Makes Them Sick</b> Michael Keilty E&H	<b>Better Results with Sampling and Shrinkages</b> Homer Hinojosa FESCO, LTD	<b>Flow-Cal TESTit</b>	<b>Clif Mock Sampling Systems</b>
5:00 - 6:00	<b>Libation Sampling 101 (Hospitality Hour)</b> <b>Exhibit Hall - Fun Raffles and Great Prizes</b> <b>Cash Bar or Credit Card Payment for Drink Tickets</b>						
<b>Wednesday, February 20, 2019</b>							
08:00-08:50	<b>Field Experience with Liquid Coriolis Meters</b> Panel	<b>Modbus for Dummies</b> Jared Weakley Texas Automation Systems	<b>Installation and Operational Errors in Gas Measurement</b> Terry Grimley SWRI	<b>Challenges of Metering Eagle Ford Gases &amp; Liquids</b> Charles Derr Honeywell/Elster	<b>Automatic Liquid Sampling per API Chapter 8.2</b> Jim Klentzman Welker	<b>Omni Flow Computers</b>	<b>Rosemount Tank Gauging</b>
09:00-09:50	<b>Troubleshooting Liquid Measurement Problems</b> Jim Lee ONEOK	<b>Water Cut</b> Craig McWhorter Kam Controls	<b>Update on API Chapter 18.2</b> Jason Strawn Ready Flo	<b>Coriolis Meters - Theory of Operation in Liquids</b> Vanessa Klekar ABB Oil & Gas Solutions	<b>Flow Computers for Liquid Measurement</b> Jeff MacMillian Omni Flow Computers, Inc.	<b>ThermoFisher Hands On</b>	<b>Repairing FMC Positive Displacement Meters</b>
10:00-10:30	<b>Break</b>						
10:30-11:20	<b>Meter Proving - The Role of the Witness</b> Bynum Vincent Cameron Measurement	<b>Basic Industrial Instrumentation</b> Jeff Ashcraft Del Mar College	<b>Liquid Meter Proving Systems and Techniques</b> Greg Williams Oil and Gas Process Solutions	<b>Clamp on Ultrasonic Meters for Liquid and Gas</b> Joel Tierney Flexim	<b>Getting Your Composition On: Natural Gas Chromatographs</b> Jesse Zapien ABB Oil and Gas Solutions	<b>Spirit Flow Computers</b>	<b>No Class (Prep for Lunch)</b>
11:30-1:00	<b>Lunch</b>						
1:00-1:50	<b>Densitometers and Continuous Sampling Systems</b> Corky Atchison MV Atchison	<b>Fundamentals of Liquid Measurement</b> Jerry Upton PETEX	<b>Preventing Power Failures in the Field</b> Andre Sholtz Solarcraft	<b>Allocation Metering for Liquid and Gas</b> Todd Meador KWI	<b>Liquid Turbine Meter Fundamentals</b> Peter Kalivoda TechnipFMC	<b>Promass Coriolis Meters</b>	<b>Rosemount Analytical Chromatographs</b>
2:00-2:50	<b>Flow Computers and Provers - A Love/Hate Relationship</b> Brent Palmer ABB Oil & Gas Solutions	<b>Understanding Proving and Proving Reports</b> Kyle Cantrell Phillips 66	<b>Proving Coriolis Meters in Crude Service</b> Bynum Vincent Cameron	<b>Water Injection Testing of Liquid Sampling Systems</b> Jim Strawn The Strawn Group	<b>Measurement Accuracy when Addressing "Lost &amp; Unaccounted For" Gas</b> Duane Harris Flow-Cal		