

	Nueces Ballroom A	Nueces Ballroom B	Laguna Madre	Aransas	Copano	Matagorda	Bayview Room (First Floor)
<b>Tuesday, February 18, 2025</b>							
<b>Lecture Classes</b>						<b>Hands On / Product Specific Classes</b>	
<b>Registration / Exhibits Open</b>							
<b>9:00 to 9:30 School Opening Remarks in Registration Area</b>							
<b>9:30-10:20</b>	Fundamentals of Liquid Measurement  Jerry Upton PETEX	Coriolis Meters – What Makes Them Tick and What Makes Them Sick  Bryan LeMaster Endress + Hauser	Measurement Accuracy when Addressing “Lost & Unaccounted For” Gas  Isaac Perez CRT Services	Basic Measurement Instrumentation  Jeff Ashcraft CCAMS	Natural Gas Sampling  David Fish Welker	YZ Sampler Controller  Jacob McLendon K2 Controls	Rosemount Analytical Chromatographs  Dean Minehart Emerson - MicroMotion
<b>10:30-11:00 Break in Exhibit Hall</b>							
<b>11:00-11:50</b>	Fundamentals of Gas Measurement  Taylor Barker Quorum Software	Overview of Liquid Metering Technologies  Bryan LeMaster Endress + Hauser	Coriolis Meters: Theory of Operation in Liquids  Steve Resnick Angus	Accurate Measurement in Loading & Unloading Systems  Todd Meador Brodie International	Prover Sizing for Coriolis Meters  Bowman/Lantzy Idex FMD	HO - Levelflex Guided Wave Radar  Kyle Droughton Endress + Hauser	<b>No Class At This Time</b>
<b>12:00-1:30 Lunch in Bayview Room (limit 100)</b>							
<b>1:30-2:20</b>	Ultrasonics in Unconventional Gas Applications  Justin Parker TMCO	Proper Design of Crude Oil LACT Units  Bob Petty SCS Technologies	Back to the Future with PD Meter Technology and Applications  Kevin Tansey Brodie International	Ultrasonic Meters for Gas Measurement  Joel Nava SICK	Crude Oil Sampling Fundamentals  Duane Rowan Sensia Global	HO - Flow Management Devices Prover  Bowman/Kato/Lantzy Idex FMD	HO - General Four-Way and Twinseal Valves  George Garcia Cameron
<b>2:30-3:20</b>	Water Injection Testing of Liquid Sampling Systems  Jim Strawn The Strawn Group	How to Know If Your Natural Gas Sample Is Contaminated With Air  Taylor Barker Quorum Software	Liquid Meter Proving Systems and Techniques  Kevin Tansey Brodie International	Liquid Metering Station Design  Jason Strawn ReadyFlo	Spectroscopy Applications in the Oil and Gas Industry  Jay Stang SH Controls	HO - Clif Mock Sampling Systems  Duane Rowan Sensia Global	HO - MicroMotion Coriolis Meters  George Medina Emerson - MicroMotion
<b>3:30-4:00 Break</b>							
<b>4:00-4:50</b>	Energy Measurement Using Ultrasonic Flow Measurement and Gas Chromatography  Vertis Grummert JM Test	Determining BS&W in Crude Oil by Karl Fischer and Centrifuge  Craig McWhorter Kam Controls	Flow Computers for Liquid Measurement  Brent Palmer CRT Services	Measurement Methods for Liquid Storage Tanks  Daniel Baldwin Rosemount Tank Gauging	Gas Measurement with Thermal Mass, Swirl, and Vortex Meters  Craig Howe ABB	HO - Ametek PK II Deadweight Tester  Scott Crone Ametek	HO - Omni Flow Computers  Jeff MacMillian OMNI Flow Computers,
<b>5:00 - 6:00 Beverage Sampling 101 (Hospitality Hour) Exhibit Hall - Fun Raffles and Great Prizes Two Cash Bars - Cash or Credit Cards Accepted</b>							
<b>Wednesday, February 19, 2025</b>							
<b>08:00-08:50</b>	Fundamentals of Liquid Measurement  Jerry Upton PETEX	Troubleshooting Liquid Measurement Problems  Grant Hetherington ONEOK	Overview of API 5.6 Coriolis Meters  Dean Minehart Emerson - MicroMotion	Differential Pressure Flow Meters Other Than Orifice  Richard Wakeland Wakeland Engineering	Meter Proving - the Role of the Witness  Bynum Vincent Instrument Maintenance	HO - Spirit Flow Computers  Brent Palmer CRT Services	HO - Getting It Right: H2S Measurement by Stain Tube  Dominic Martinez FESCO, LTD
<b>09:00-09:50</b>	On-line Water Measurement Devices in Liquid Service and upcoming API standards  Gary Potten Measurement Matters	Calculation of Liquid Petroleum Quantities  Grant Hetherington ONEOK	Sample Condition System  Ryan Lynes K2 Controls	Proving Coriolis Meters in Crude Service  Bynum Vincent Instrument Maintenance	Introduction to Gas Metering Systems  Daniel Householder Guidant Measurement	HO - Emerson Rosemount Ultrasonic  Celso Perez Emerson - MicroMotion	HO - TMCO Sure Shot Fitting  Justin Parker TMCO
<b>10:00-10:30 Break in Exhibit Hall</b>							
<b>10:30-11:20</b>	Maintenance and Operation of an Orifice Fitting  Thomas Morley Daniel	Problems in the Patch: Gas Quality Specifications to Avoid a Shut-In  Dominic Martinez FESCO, LTD	In-line BS&W Measurement Technologies and Applications  Craig McWhorter Kam Controls	NGL Measurement - Direct and Inferred Mass  Dean Minehart Emerson - MicroMotion	Validating Liquid and Gas Flow Computer Calculations  Isaac Perez CRT Services	HO - Manifolds & Stabilizers: Installation and Best Practices  James Dean RJ Machine	<b>No Class At This Time</b>
<b>11:30-1:00 Lunch in Bayview Room (limit 100)</b>							
<b>1:00-1:50</b>	How Turbine Meters Work and How to Troubleshoot Them  Gary Astle Faure Herman	Overall Measurement Accuracy  Vertis Grummert JM Test	Provers and Flow Computers - Operation, Tips and Troubleshooting  Brent Palmer CRT Services	Certification of Measurement Equipment  Scott Crone Ametek	Valve Applications in Liquid and Gas Measurement  Mario Mendez J2 Resources	HO - Rosemount Tank Gauging  Daniel Baldwin Rosemount Tank Gauging	HO - Positive Displacement Meters  Householder/Zapoli Guidant Measurement
<b>2:00-2:50</b>	Fundamentals of Gas Measurement using Clamp On Ultrasonics  David Popowitch AWC, Inc.	Flaring: How Correctly Testing Flares Can Lead to Environmental Success  Joshua Christian JP3	Preventing Power Failures in the Field  Andre Scholtz Solarcraft	Programming and Troubleshooting Guided Wave Radar  Justin McDermott Techstar	Modbus for Dummies  Jared Weakley Texas Automation	TBD  #N/A #N/A	HO - Thermo Fisher Scientific Automation Autoflex Flow Computer (Hardware and Software Overview)  EJ dela Cruz Thermo Fisher Scientific

\*Classes are subject to change.