

Gas Topic - 24 Liquid Topic - 33 Either - 10	Nueces Ballroom A	Nueces Ballroom B	Laguna Madre	Aransas	Copano	Matagorda	Bayview Room (First Floor)
Tuesday, February 20, 2024							
Lecture Classes					Hands On / Product Specific Classes		
7:00 - 9:00 Registration / Exhibits Open							
9:00 to 9:30 School Opening Remarks in Registration Area							
9:30-10:20	Fundamentals of Liquid Measurement Jerry Upton PETEX	Fundamentals of Gas Measurement Taylor Barker Quorum Software	Measurement Methods for Liquid Storage Tanks Daniel Baldwin Emerson - Rosemount Tank Gauging	Demystifying Using Wireless in Oil and Gas Measurement Russell Hall Signal Fire	Liquid Meter Proving Systems and Techniques Todd Meador Brodie International	HO - Omni Flow Computers Jeff MacMillian OMNI Flow Computers, Inc	HO - Levelflex Guided Wave Radar Kyle Droughton Endress + Hauser
10:30-11:00 Break in Exhibit Hall							
11:00-11:50	Troubleshooting Liquid Measurement Problems Grant Hetherington ONEOK	Orifice Measurement Fundamentals Steve Ifft RJ Machine	Coriolis Meters: Theory of Operation in Liquids Steve Resnick Angus	Compositional Analysis by Optical Spectroscopy vs. Traditional Technologies Josh Christian JP3	In-line BS&W Measurement Technologies and Applications Craig McWhorter Kam Controls	HO - Emerson Guided Wave Radar John Butler Emerson - Rosemount	No Class At This Time
12:00-1:30 Lunch in Bayview Room (limit 100) or On Your Own							
1:30-2:20	Flow Computers for Liquid Measurement Brent Palmer CRT Services	Ultrasonic Meters for Gas Measurement Joel Nava SICK	Water Injection Testing of Liquid Sampling Systems Jim Strawn The Strawn Group	Natural Gas Chromatographs Colby Waldo Jet Specialty	Valve Applications in Liquid and Gas Measurement Mario Mendez J2 Resources	HO - Ametek PK II Deadweight Tester Scott Crone Ametek	HO - Operation & Maintenance of Daniel Senior Fittings Thomas Morley Daniel
2:30-3:20	Validating Liquid and Gas Flow Computer Calculations Isaac Perez CRT Services	Modbus for Dummies Jared Weakley Texas Automation Systems	Back to the Future with PD Meter Technology and Applications Todd Meador Brodie International	Gas Metering Station Design Daniel Householder TechnipFMC	Prover Sizing for Coriolis Meters Guillermo Kato Idex Flow Management Devices	HO - MicroMotion Coriolis Meters George Medina Emerson - MicroMotion	HO - Cliff Mock Sampling Systems Duane Rowan Sensia Global
3:30-4:00 Break							
4:00-4:50	Basic Measurement Instrumentation Jeff Ashcraft DelMar College	How to Know If Your Natural Gas Sample Is Contaminated With Air Taylor Barker Quorum Software	Calculation of Liquid Petroleum Quantities Grant Hetherington ONEOK	Fundamentals of Gas Measurement using Clamp On Ultrasonics Billy Jenkins Siemens	Meter Proving - the Role of the Witness Bynum Vincent Instrument Maintenance	HO - Spirit Flow Computers Hands On Brent Palmer CRT Services	HO - TMCO Sure Shot Fitting Justin Parker TMCO
5:00 - 6:00 Beverage Sampling 101 (Hospitality Hour) Exhibit Hall - Fun Raffles and Great Prizes Two Cash Bars - Cash or Credit Cards Accepted							
Wednesday, February 21, 2024							
08:00-08:50	Fundamentals of Liquid Measurement Jerry Upton PETEX	Measurement Accuracy when Addressing "Lost & Unaccounted For" Gas Isaac Perez CRT Services	Proving Coriolis Meters in Crude Service Bynum Vincent Instrument Maintenance	Problems in the Patch: Gas Quality Specifications to Avoid a Shut-In Dominic Martinez FESCO, LTD	Determining BS&W in Crude Oil by Karl Fischer and Centrifuge Craig McWhorter Kam Controls	HO - Flow Management Devices Prover Clay Nelson Idex Flow Management Devices	HO - Rosemount Analytical Chromatographs Michael Nott Emerson - Automation Solutions
09:00-09:50	Provers and Flow Computers - Operation, Tips and Troubleshooting Brent Palmer CRT Services	Fundamentals of Natural Gas Sampling David Fish Welker	Liquid Measurement Applications Daniel Householder TechnipFMC	Spectroscopy Applications in the Oil and Gas Industry Jay Stang SH Controls	Liquid Turbine Meter Fundamentals Thomas Morley Daniel	HO - General Four-Way and Twineal Valves George Garcia Cameron	HO - Sampling for Lab Analysis Dominic Martinez FESCO, LTD
10:00-10:30 Break in Exhibit Hall							
10:30-11:20	Proper Design of Crude Oil LACT Units Bob Petty SCS Technologies	Coriolis Meters - What Makes Them Tick and What Makes Them Sick Mark Thomas Endress Hauser	Accurate Measurement in Loading and Unloading Systems Todd Meador Brodie International	On-line Water Measurement Devices in Liquid Service and upcoming API standards Gary Potten Measurement Matters LLC	NGL Measurement - Direct and Inferred Mass Dean Minehart Emerson - MicroMotion	HO - Promass Coriolis Nate Agbetola Endress + Hauser	No Class At This Time
11:30-1:00 Lunch in Bayview Room (limit 100) or On Your Own							
1:00-1:50	Overview of Liquid Metering Technologies Nate Agbetola Endress + Hauser	Clamp On Ultrasonic Meters for Liquid and Gas Jim Linahan Flexim	Programming and Troubleshooting Guided Wave Radar Joey Blair Techstar	Overall Measurement Accuracy Vertis Grummert JM Test Systems	Liquid Metering Station Design Jason Strawn ReadyFlo	HO - Rosemount Tank Gauging Daniel Baldwin Emerson - Rosemount Tank Gauging	HO - Thermofisher Flow Computers Matt Diese Gulf Coast TMC
2:00-2:50	Overview of API 5.6 Coriolis Meters Dean Minehart Emerson - MicroMotion	Mythbusters: Why Orifice Measurements Are Better Than You Think Thomas Morley Daniel	Crude Oil Sampling Duane Rowan Sensia Global	Everything You Ever Wanted to Know about H2S Measurement Umberto Cabarrocas KEKO	Helical Turbine Meter Design Gary Astle Idex Faure Herman	HO - E9 Treatments for Measurement Equipment Kevin Fields E9	HO - Emerson Rosemount Gas Ultrasonic Meters Martin Schlebach Emerson - Rosemount USM