

	Nueces Ballroom A	Nueces Ballroom B	Laguna Madre	Aransas	Copano	Matagorda	Bayview Room (First Floor)
	Tuesday, February 21, 2023						
	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 - RTG	Preventing Power Failures in the Field Andre Scholtz Solarcraft	Liquid Meter Proving Systems and Techniques Rudy Bos Brodie International	HO - Promass Coriolis Meters Adam Rose Technic FMC	HO - ABB TotalFlow EFMs Colby Waldo ABB
10:30-11:00	Break in Exhibit Hall						
11:00-11:50	Troubleshooting Liquid Measurement Problems Grant Hetherington ONEOK	Orifice Measurement Fundamentals Hunter Ward TMCO	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 - Rosemount Tank Gauging Alan Dolson Rosemount Tank Gauging	No Class At This Time
12:00-1:30	Lunch in Bayview Room (limit 100)						
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 ABB	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 Steve Ifft Daniel
2:30-3:20	Validating Liquid and Gas Flow Computer Calculations Isaac Perez Crestwood	Modbus for Dummies Jared Weakley Texas Automation Systems	Back to the Future with PD Meter Technology and Applications Steve Everley Brodie International	Gas Metering Station Design Sandie Hughes Thurmond McGlothlin	Prover Sizing for Coriolis Meters Joe Lantzy Idex FMD	HO - MicroMotion Coriolis Meters Andrew Parker Emerson-MicroMotion	HO-Flow-Cal Test It Hands-on Jason Rigg Quorum Software
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 Marty Dingman Siemens	Meter Proving - the Role of the Witness Bynum Vincent Sensia Global	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 22, 2023						
08:00-08:50	Fundamentals of Liquid Measurement Jerry Upton PETEX	Measurement Accuracy when Addressing “Lost & Unaccounted For” Gas Isaac Perez Crestwood	Proving Coriolis Meters in Crude Service Bynum Vincent Sensia Global	Better Results with Sampling and Shrinkages Dominic Martinez FESCO, LTD	Determining BS&W in Crude Oil by Karl Fischer and Centrifuge Craig McWhorter Kam Controls	HO - Flow Management Devices Prover Joe Lantzy Idex FMD	HO - Rosemount Analytical Chromatographs Jamie Marsden Emerson - Automation
09:00-09:50	Provers and Flow Computers - Operation, Tips and Troubleshooting Brent Palmer CRT Services	Fundamentals of Natural Gas Sampling David Fish Welker	Rail Car Loading Curtis Olson Watco	Spectroscopy Applications in the Oil and Gas Industry Jay Stang SH Controls	Liquid Turbine Meter Fundamentals Angela Floyd Daniel	HO - General Four-Way and Twinseal 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	Process Online Analyzers - How to Specify Steve Tarkanic Compass Instruments	NGL Measurement - Direct and Inferred Mass Dean Minehart Emerson - MicroMotion	HO - ThermoFisher EJ De La Cruz Thermo Scientific	No Class At This Time
11:30-1:00	Lunch in Bayview Room (limit 100)						
1:00-1:50	Overview of Liquid Metering Technologies Dan Householder FMC Technip	Clamp On Ultrasonic Meters for Liquid and Gas Jim Linahan Flexim	Programming and Troubleshooting Guided Wave Radar Justin McDermott Techstar	Flow Computers for Gas Measurement Colby Waldo ABB	Liquid Metering Station Design Jason Strawn ReadyFlo	HO - Clif Mock Sampling Systems Duane Rowan Sensia Global	No Class At This Time
2:00-2:50	Overview of API 5.6 Coriolis Meters Dean Minehart Emerson - MicroMotion	Mythbusters: Why Orifice Measurements Are Better Than You Think Steve Ifft 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 - Omni Flow Computers Jeff MacMillian OMNI Flow Computers, Inc	No Class At This Time