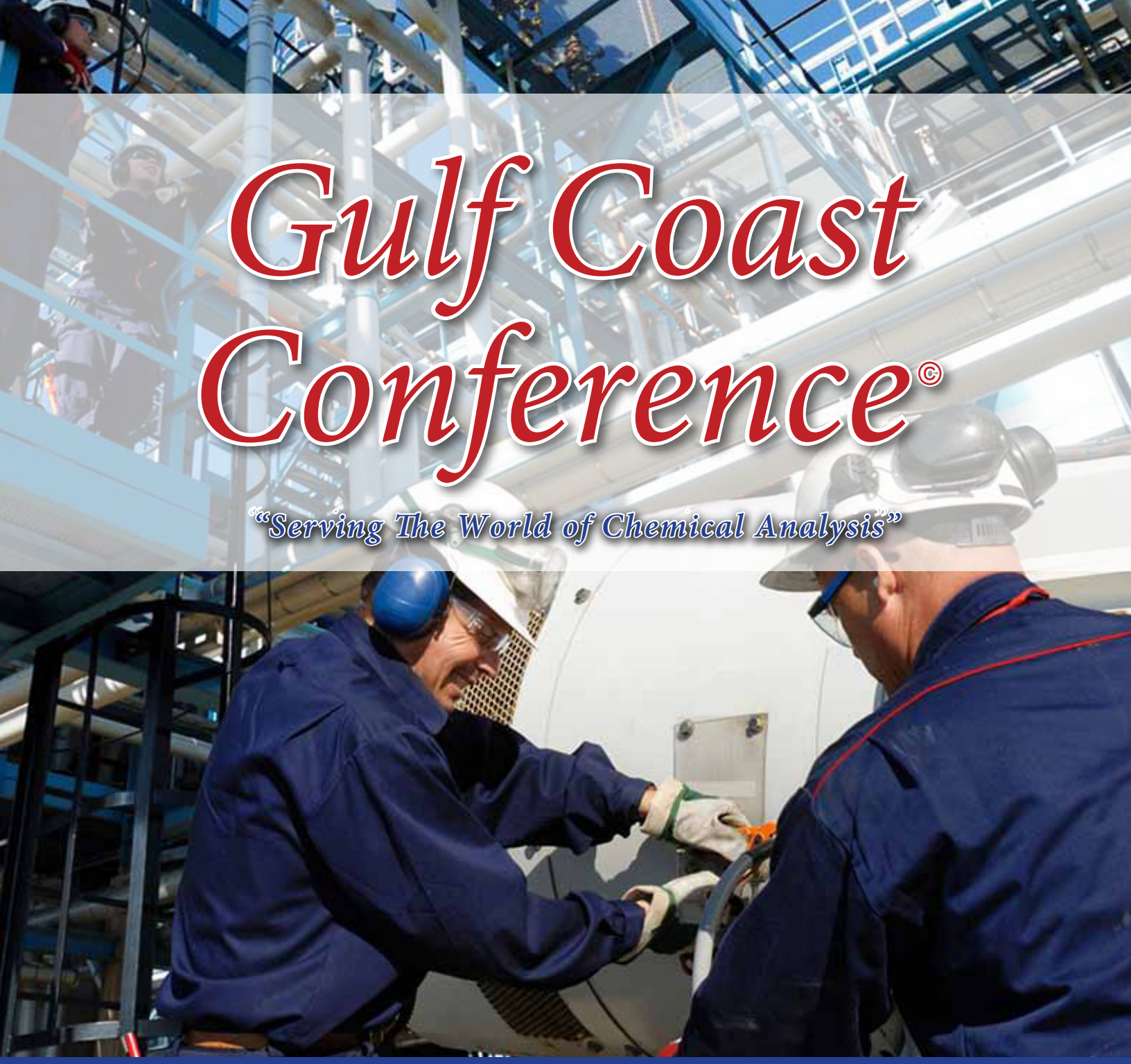

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2017/2018 Program

January 17 - 18, 2018

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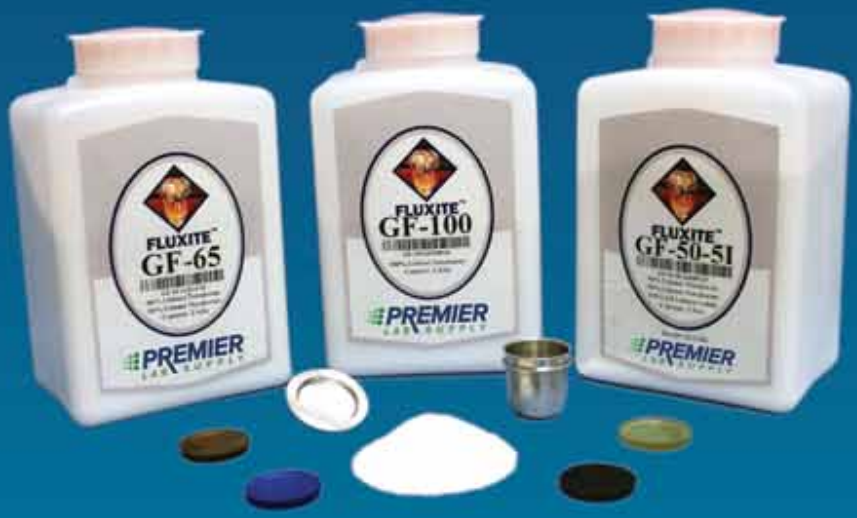

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Welcome to the 2017/2018 Program - The 114th meeting of the GCC

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2017/2018 Conference Schedule

Wednesday, January 17, 2018

Exhibits	**9:00 AM – 5:00 PM**
Technical Sessions	**9:00 AM – 5:00 PM**
LUNCH WILL NOT BE SERVED IN THE HALL WEDNESDAY	
New Product Showcase - Exhibit Hall	**3:00 PM - 5:00 PM**
Wednesday's Social	**3:00 PM – 5:00 PM**

Thursday, January 18, 2018

Exhibits	**9:00 AM – 5:00 PM**
New Product Showcase - Exhibit Hall	**Noon - 1:30 PM**
LUNCH IN THE EXHIBIT HALL	**Noon - 1:30 PM**
Technical Sessions	**8:30 AM – 5:00 PM**
Poster Sessions	**9:00 AM – 5:00 PM**

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To provide GCC attendees with news, technical & business information which will educate about the petrochemical, refining, environmental, and industrial hygiene fields and professions." The Gulf Coast Conference program will focus on the industry trends and news, regulatory activities, technical information, and the successful implementation of various technical & business methodologies important to those professions. Conference business, events and activities will also be communicated. Opinions, claims, conclusions and positions expressed in this publication are the authors'or personsquoted and do not necessarily reflect the opinions of the editor,GCC or the Gulf Coast Conference Program.

WEDNESDAY MORNING

9:00 AM - 9:50 AM - Room 371 F
Titration Training 1: Theory of titration and of electrodes
Tore Fossum - Mettler Toledo, LLC

9:00 AM - 9:20 AM - Exhibit Hall Classroom (End of 200 Aisle)
High Temporal Resolution Mud-Gas Analysis Using SIFT-MS
Stephen Medlin - Quantum Analytics, Vaughan Langford S. Ph.D. - Syft Technologies, Barry J. Prince - Syft Technologies, Daniel B. Milligan - Syft Technologies, Murray J. McEwan - Syft Technologies

9:00 AM - 9:30 AM - Room 372 E
Analysis of Polycyclic Aromatic Hydrocarbons in Petroleum Vacuum Residues by Multiple Heart-Cutting LC Using the Agilent 1290 Infinity 2D-LC Solution
Sue D'Antonio - Agilent Technologies

9:00 AM - 12:00 PM - Room 372 F
RSR WORKSHOP- Refinery Sector Rule- Flare Monitoring, Reporting and NHV Controls Hosted by Airgas, an Air Liquide Company
Andy Shurtleff - Airgas, an Air Liquide Company, Tommy Addison - Airgas, an Air Liquide Company, David Moreno - Airgas, an Air Liquide Company, Herman Holm - Spectrum Environmental Solutions, Chuck DeCarlo - Extrel CMS, Blair Sullivan - Vector Controls/ Hobre, Ulrich Gokeler - Siemens

9:00 AM - 9:30 AM - Room 381 A
Flare Gas Compliance and Real-Time Net Heating Value Monitoring with Industrial Mass Spectrometry
Chuck DeCarlo - Extrel CMS, Frank DeThomas - Extrel CMS, Jim Brenner - Extrel CMS, Zbigniew Krieger - Extrel CMS

9:00 AM - 9:30 AM - Room 382 C
Finding the Perfect LIMS in the Petrochemical and Refining Sectors
Ken Ochi - Accelerated Technology Laboratories

9:00 AM - 9:30 AM - Room 381 B
Analysis of Hydraulic Fracturing Additives by Gas Chromatography and Liquid Chromatography
Jamie Schenk PhD Candidate - The University of Texas at Arlington

9:00 AM - 9:30 AM - Room 382 A
S, Ni, V, and Fe Analysis of Crude Oil Using HDXRF
Kyle Kuwitzky - XOS, Leslie Johnson - XOS, Jon Dunphy - XOS

9:00 AM - 9:30 AM - Room 371 D
How Scientific Companies use the Talent Supply Chain Management Model to Link Human Capital to Business Needs to Increase Productivity and Efficiency
Harvey Yau - KellyOCG, Jeff Garvin - KellyOCG, Linda Stuit - KellyOCG

9:00 AM - 9:30 AM - Room 372 D
The Importance of Chloride Measurement in Petroleum Samples
Michael C. Pohl - HORIBA Instruments, Inc.

9:00 AM - 10:00 AM - Room 382 B
Karl Fisher Titration for Surface Water Analysis in Dry Chemicals
Sean Bard - Hanna Instruments, Taylor Eakins - Hanna Instruments

9:20 AM - 9:40 AM - Exhibit Hall Classroom (End of 200 Aisle)
Can Calibration Standards be Eliminated in Gas Chromatography?
Charlie Spanjers - Activated Research Company

9:30 AM - 10:00 AM - Room 372 E
Introducing the New Chemiluminescence Detector (xCD) and Low Level Ammonia Analysis by NCD
Kelly Beard - Agilent Technologies

9:30 AM - 10:25 AM - Room 382 C
Laboratory Automation Today in the Oil & Gas Industry
Dr. Christine Paszko - Accelerated Technology Laboratories, Ken Ochi - Accelerated Technology Laboratories

9:30 AM - 10:15 AM - Room 381 B
Fast, Accurate and Reliable Karl Fischer Analysis
Lori Spafford - Metrohm USA

9:30 AM - 10:00 AM - Room 381 A
Process Mass Spectrometer for Rapid Surface Logging Analysis
Mathew Rowe - Halliburton, Tony Slapikas - AMETEK Energy & Process Instruments Division

9:30 AM - 10:00 AM - Room 381 B
Systematic Approach for the Optimization of on-line Supercritical Fluid Extraction – Supercritical Fluid Chromatography – Tandem Mass Spectrometry
Paige Wicker Graduate Research Assistant - The University of Texas at Arlington

9:30 AM - 10:30 AM - Room 371 D
Driving Value in the Laboratory from ISO 9001/17025 Certification
Gretchen McAuliffe - Labtopia

9:30 AM - 10:00 AM - Room 382 A
FoamDDI - Fast, Reliable and Unbiased Determination of Foaming Tendencies of Lubricants by Digital Detection Imaging.
Aaron Mendez Ph.D. - Ayalytical Instruments, Inc #1218, Juan Ayala – Ayalytical Instruments, Inc.

9:30 AM - 10:20 AM - Room 371 E
Microspectroscopic Sampling – FT-IR and Raman Microscopy
Steve McQueen - Thermo Fisher Scientific

9:40 AM - 10:10 AM - Exhibit Hall Classroom (End of 200 Aisle)
A New GC Concept That Evolves the Technology for Chemical Analysis
James D. McCurry - Agilent Technologies

9:45 AM - 10:15 AM - Room 381 C
Characterization of Petrochemical Products by OEA (Organic Elemental Analysis)
Guido Giazzi - Thermo Fisher Scientific

9:50 AM - 10:20 AM - Room 372 D
Total Nitrogen in LPG by Combustion and Chemiluminescence
Aaron Mendez Ph.D. - Ayalytical Instruments and TSHR, TSHR

9:50 AM - 10:40 AM - Room 371 F
Titration Training 2: Practical Titration Techniques
Tore Fossum - Mettler Toledo, LLC

10:00 AM - 12:00 PM - Room 382 B
Determination of Water Content in Petroleum using Solubilized Solvents with Karl Fischer Titration
Bruce Herzig - Millipore Sigma, George McLean - Mettler Toledo

10:00 AM - 10:25 AM - Room 372 D
Simplified Method to Measure Performance Capabilities of Laboratory Analytical Instruments in the Oil and Gas Industry
George Gonzalez - Agilent Technologies, Dr. Raj Shah - Koehler Instrument Company

10:00 AM - 11:30 AM - Room 382 A
Automation of ASTM D6299 Test Method Statistical Quality Control and EPA Teir 3 QA/QC Programs in Testing Laboratories
Josh Burkhalter - Baytek International

10:00 AM - 10:30 AM - Room 381 B
Characterization and Quantification of Oxygenates in Fuels and Oilfield Waste using GC-VUV and GC-Polyarc/FID
Ling Bai - PhD Candidate - University of Texas at Arlington

10:00 AM - 10:30 AM - Room 372 E
Two Proposed ASTM methods on Elemental Analysis of Biodiesel and Crude Oil by Microwave Plasma Atomic Emission Spectrometry (MP-AES)
Jenny Nelson - Agilent Technologies

10:10 AM - 10:35 AM - Exhibit Hall Classroom (End of 200 Aisle)
Determination of Olefins in Condensates and Upgraded Bitumen by Gas Chromatography (GC) using a Vacuum Ultraviolet (VUV) Detector
Chris Goss - Innotech Alberta, Prem Pal - Innotech Alberta, Amanda Prefontaine - Innotech Alberta, Lee Marotta - PerkinElmer

10:15 AM - 10:45 AM - Room 381 C
Characterization of Organic Micropollutants in Ship Ballast Water by LC- High Resolution Accurate Mass Spectrometry
Noelle DeStefano - Duke University

10:20 AM - 10:50 AM - Room 371 E
FTIR /Raman Theory and Sample Handling
Cam MacIsaac - Thermo Fisher Scientific

10:25 AM - 10:55 AM - Room 372 D
Water Lens: A Rapid, Portable, and Simple Method for Testing Complex Waters Anywhere
Adam Garland - Water Lens LLC

10:25 AM - 10:45 AM - Room 382 C
Simultaneous Simulated Distillation (CNS-SIMDIS) in crude oils: Determination of Hydrocarbon, Nitrogen and Sulphur species using Gas Chromatography
Marijn Van Harmelen - PAC L.P. | AC Analytical Controls B.V., Rob De Jong

10:30 AM - 11:15 AM - Room 371 D
Fourier Transform Infrared (FTIR) Analysis of Diesel Fuels Using Chemometric Models to Determine the Calculated Cetane Index (CCI) Value
Cory K. Schomburg - PerkinElmer, Inc.

10:30 AM - 11:00 AM - Room 381 B
Characterization of Produced water and Current Treatment Options
Tiffany Liden Graduate Research - University of Texas at Arlington

10:30 AM - 10:40 AM - Room 381 A
The Ever Expanding Application of Fast Chromatography and Hyphenated Chromatography
Carl Recchsteiner - CRechsteiner Consulting, LLC

10:35 AM - 11:05 AM - Exhibit Hall Classroom (End of 200 Aisle)
Nano Volume Injector Valve for Fast and Ultra Fast Gas Chromatography Analysis
Stanley D. Stearns - Valco Instruments Co. Inc., Martin Brisbin - Valco Instruments Co. Inc., Huamin Cai - Valco Instruments Co. Inc.

10:40 AM - 11:00 AM - Room 381 A
Recent Advances: An Overview of Fast GC, Sensitive GC and Even Simply Faster GC than the Traditional
John Crandall - Falcon Analytical

10:40 AM - 11:30 AM - Room 371 F
Titration Training 3: Method structure in Titration Excellence Instruments
Tore Fossum - Mettler Toledo, LLC

10:45 AM - 11:15 AM - Room 372 E
Go Paperless for an Efficient Accurate Lab
Kathleen O'Dea - Agilent Technologies

10:45 AM - 11:10 AM - Room 382 C
New ASTM Method for a Spectroscopic technique for the determination and rating of Haze in Fuels
Ranzy Morgan - Choice Analytical Inc.

10:50 AM - 12:00 PM - Room 371 E
Omnic Software Tutorial for IR/Raman Spectroscopy
Cam MacIsaac - Thermo Fisher Scientific, Dr. Robert Jones - Thermo Fisher Scientific

10:55 AM - 11:15 AM - Room 372 D
Comparative Evaluation of "Carbon Centric" Gas Chromatography Detectors for Volatile Organic Compounds (VOC) Analysis
Francois Huby - The Dow Chemical Company

11:00 AM - 11:30 AM - Room 381 C
Halogen and Sulfate Determination in Liquefied Petroleum Gas Using Combustion Ion Chromatography
Carl Fisher - Thermo Fisher Scientific, Adelon Agustin - COSA Xentaur, Mark Manahan - COSA Xentaur

11:00 AM - 11:30 AM - Room 381 B
A New Approach for Analyzing Water in Petroleum Products
Mark Janecsko Marketing Manager - Shimadzu Scientific Instruments, Inc.

11:00 AM - 11:20 AM - Room 381 A
Resolving the Conflict between Lab and Process Data
Carl Recchsteiner - CRechsteiner Consulting, LLC, Joe Perron - Falcon Analytical

11:05 AM - 11:35 AM - Exhibit Hall Classroom (End of 200 Aisle)
A GCxGC Valve Modulator with Hold-Release Primary Column Flow for Long Secondary Separation Time
Huamin Cai - Valco Instruments Co. Inc., Stanley D. Stearns - Valco Instruments Co. Inc.

11:15 AM - 11:45 AM - Room 372 D
Utilizing a Novel Microfluidic Viscometer for Fast and Accurate Analysis of Materials at Low Viscosity and High Shear
Matt Vanden Eynden - Formulaction, Inc., Patrick Abgrall, Patrycia Adamska, Yoann Lefeuvre, Gerard Meunier

11:15 AM - 11:35 AM - Room 382 C
Vacuum Ultraviolet (VUV) Absorption Spectroscopy: a novel method in the forensic analysis of fire debris evidence
Adam Hall B. Ph.D. - Northeastern University, Sarah Pina - Northeastern University, James Diekmann - VUV Analytics, Inc., Tom Steen - VUV Analytics, Inc., Paul Johnson - VUV Analytics, Inc.

11:15 AM - 12:15 PM - Room 371 D
Overcoming Challenges in TOC Determinations of Effluent
John Welsh - OI Analytical

11:15 AM - 12:00 PM - Room 372 E
Be a Lab Hero with OpenLAB CDS ChemStation Edition
Jennifer McCulley - Agilent Technologies

11:20 AM - 11:40 AM - Room 381 A
Recent Advances for Chromatography Data Systems in Fast GC: Control, Data Fusion, Automation
George Schreiner - ChromPerfect

11:30 AM - 12:20 PM - Room 371 F
Titration Training 4: Petrochemical Titrations
Tore Fossum - Mettler Toledo, LLC

11:30 AM - 12:00 PM - Room 381 C
Breaking the Mold: How Modularity Innovated the Gas Chromatograph and Laboratory Workflow
James Pachlhofer - ThermoFisher Scientific

11:30 AM - 11:50 AM - Room 382 A
Failure Analysis of Rubber Materials Using Pyrolysis-Gas Chromatography/Mass Spectrometry-Nitrogen Phosphorus Detector (PY-GC/MS/NPD)
Itsuko Iwai - Frontier Laboratories Ltd., Rojin Belganeh Technical And Marketing Director - Frontier Laboratories Ltd., Robert Freeman Ph.D. R&D Scientist - Frontier Laboratories Ltd., Terry Ramus Ph.D. Application Scientist - Diablo Analytical Inc., Roger Tank Business Development Manager - Frontier Laboratories Ltd.

11:35 AM - 11:55 AM - Room 382 C
Saving time and money with Microwave-assisted Solvent Extraction (MAE) for petrochemical applications
Reynhardt Klopper - Anton Paar USA, Inc.

11:35 AM - 11:55 AM - Exhibit Hall Classroom (End of 200 Aisle)
Rapid Monitoring of Antioxidant Content in Used Engine Oil by DART - AccuTOF Mass Spectrometry
Paul Harvath - General Motors, Robert B. Cody - Jeol Corp, John A. Dane - Jeol Corp

11:40 AM - 12:00 PM - Room 381 A
True Plug-and-Play Chromatography
Brian Rohrback - Infometrix, Scott Ramos - Infometrix

WEDNESDAY AFTERNOON

12:00 PM - 12:30 PM - Room 381 C
Determining Elemental Impurities in Organometallic Matrices with Ease and Confidence
Fergus Keenan - Thermo Fisher Scientific

1:00 PM - 1:45 PM - Room 371 E
FT-IR Spectral Interpretation and Problem Solving
Dr. Robert Jones - Thermo Fisher Scientific

1:00 PM - 1:30 PM - Room 381 B
The Next Industry Standard GC: GC-2030 Nexis from Shimadzu
Jeff Werner Petrochemical Applications Scientist - Shimadzu Scientific Instruments, Inc.

1:00 PM - 1:20 PM - Room 381 A
Roadside Ultrafast GC Analysis of Chemical Markers for Fuel Fraud Enforcement Campaign in the UK and Ireland
Jeremy Reyes - The Dow Chemical Company, Bill Winniford - The Dow Chemical Company, Molly Price - The Dow Chemical Company, Brian Jazdzewski - The Dow Chemical Company, Nathan Wilmot - The Dow Chemical Company, Zahid Asif - The Dow Chemical Company, Warren Smith - The Dow Chemical Company, John Crandall - Falcon Analytical, Matt Holliday - Falcon Analytical, Joe Perron - Falcon Analytical, Ned Roques - Falcon Analytical

1:15 PM - 2:30 PM - Room 372 F
DSC 101 -- Introduction to Differential Scanning Calorimetry (DSC) and High-Pressure-DSC (HP-DSC)
John Erne - Netzsch Instruments

PRESENTATIONS

1:15 PM - 1:45 PM - Room 381 C
Packed Columns: Choice, Care and Consistency
Susan Diaz - Thermo Fisher Scientific

1:20 PM - 1:40 PM - Room 381 A
Identifying Authentic and Fraudulent Diesel Fuel by Fast GC Using Chemometrics
Brian Rhorback - Infometrix, Joe Perron - Falcon Analytical

1:30 PM - 1:55 PM - Room 371 D
Coatings That Improve the Reliability, Stability and Performance of Sampling Systems used in Analysis of Ammonia and NOX Compounds
Luke Patterson - SilcoTek Corporation

1:30 PM - 2:25 PM - Room 371 F
Titration Training 5: LabX Data System
Tore Fossum - Mettler Toledo, LLC, Thomas Rohrer - Mettler Toledo, LLC

1:30 PM - 1:55 PM - Room 382 C
High Resolution Accurate Mass GC/Q-TOF with Low Energy Electron Ionization for Identification of Sulfur-containing Compounds
Sofia Nieto - Agilent Technologies, Björn Ogren - Agilent Technologies, Nathan Eno - Agilent Technologies, Laurent Pascaud - TOTAL Raffinage Chimie, Sabrina Marceau - TOTAL Raffinage Chimie, Benoit Paupy - TOTAL Raffinage Chimie, Pierre Giusti - TOTAL Raffinage Chimie

1:30 PM - 2:00 PM - Exhibit Hall Classroom (End of 200 Aisle)
Transferring Routine Lab GC Analysis to Automatic On-Line Measurement
Ulrich Gokeler - Siemens Industry Inc.
1:30 PM - 2:30 PM - Room 382 B
Electrochemistry Field Analysis of Industrial Wastewater and Fluids
Sean Bard - Hanna Instruments, Taylor Eakins - Hanna Instruments

1:30 PM - 2:00 PM - Room 372 D
More on the Unique Selectivity of Ionic Liquid GC Stationary Phases
Len Sidisky - MilliporeSigma, Greg A. Baney - MilliporeSigma, James L. Desorcie - MilliporeS, Michael Halpenny - MilliporeSigma

1:30 PM - 1:55 PM - Room 382 A
Reducing Mogas Octane Giveaway Via On-line Raman Spectroscopy: A One Year Case Study
Lee Smith - Process Instruments, Inc.

1:30 PM - 2:00 PM - Room 381 B
How Big of an Analytical Toolbox is needed to Assess the Impacts of Unconventional Oil and Gas Development?
Doug Carlton Project Manager - University of Texas at Arlington

1:30 PM - 2:00 PM - Room 372 E
Implementing the new ASTM Method D8110 – 17: Elemental Analysis of Distillate Products by Inductively Coupled Plasma Mass Spectrometry (ICP-MS)
Mark Kelinske - Agilent Technologies

1:40 PM - 2:00 PM - Room 381 A
Fast Gas Chromatography High Pressure Mass Spectrometry (GC-HPMS) Technique, Software and Applications
Graham Shelver - 908 Devices, James Roush - 908 Devices

1:45 PM - 2:30 PM - Room 371 E
Material Characterization – Extrusion techniques for Polymer and Crude Oil Industries
Steve Watts - Thermo Fisher Scientific

1:45 PM - 2:15 PM - Room 381 C
Tracing Sources of CO2 with Delta Ray
Magda Mandic - Thermo Fisher Scientific

1:55 PM - 2:20 PM - Room 371 D
Process Raman Gas Analysis In Refining
Susan P. Harris - Endress+Hauser, Scott Sutherland Ph.D. - SpectraSensors, Inc.

1:55 PM - 2:25 PM - Room 382 A
Automation of Online Analyzer Correlation with Laboratory Primary Method and Chemometric Modeling Packet Preparation
Walter McNeil - Baytek International, Inc.

1:55 PM - 2:25 PM - Room 382 C
Octane Engine Testing Made Easier- The Latest in XCP Technology for Octane measurement and documentation"
by Compass Instruments and CFR Engines Inc.
Joseph Lange- CFR Engines, Mike Burnett- Compass Inst., Robert Stamp-Compass Inst.

2:00 PM - 2:30 PM - Room 381 B
Rapid, Green, At-Line Approach to the Determination of Hydroxyl Number in Polyols
Dr. Linda Kidder Product Manager - Shimadzu Scientific Instruments, Inc.

2:00 PM - 2:20 PM - Room 381 A
Optimizing the Interface between Supercritical Fluid Chromatography and Electrospray Ionization Mass Spectrometry
Michael O. Fogwill - Waters Corporation

2:00 PM - 2:30 PM - Room 372 E
How to Choose Proper FTIR Spectroscopic Techniques to Analyze Petroleum Products
Yanqia Wang - Agilent Technologies

2:00 PM - 2:30 PM - Room 372 D
CO and CO2 analysis - Restek's Simplified Approach
Mark Badger - Restek Corporation, Katarina Oden - Restek Corporation, Jaap De Zeeuw - Restek Corporation

2:00 PM - 2:20 PM - Exhibit Hall Classroom (End of 200 Aisle)
ProEZGC Chromatogram Modeler – Life is Short, Don't Waste it Developing Methods
Katarina Oden - Restek Corporation, Barry Burger - Restek Corporation

2:20 PM - 2:45 PM - Room 371 D
Automated Freezing Point of Avgas
Larry Spino - PAC LP

2:20 PM - 2:40 PM - Exhibit Hall Classroom (End of 200 Aisle)
Comprehensive Real-time Fenceline Monitoring Using SIFT-MS
Stephen Medlin Ph.D. - Quantum Analytics, Vaughan Langford S. Ph.D. - Syft Technologies, Barry J. Prince - Syft Technologies, Daniel B. Milligan - Syft Technologies, Murray J. McEwan - Syft Technologies

2:20 PM - 2:40 PM - Room 381 A
Fast Gas Chromatography using Heated Headspace Gas Autosampling Techniques: Polyethylene Pellets, Product Purity Analysis
Derrick Saul - Falcon Analytical

2:25 PM - 2:55 PM - Room 382 C
Innovations in The Operation and Use of CFR Engines
Paul Stankiewicz - StanCo ScientificInc, Jim Honan - Octomatic ESD - Protectoseal

2:25 PM - 2:45 PM - Room 382 A
Low Level Measurements of Benzene Exposure in the Workplace and at ppt Levels at Fencelines via Gas Chromatography/Photoionization Detection
Jennifer Maclachlan - HNU PID Analyzers LLC, John N. Driscoll - PID Analyzers, LLC

2:25 PM - 3:20 PM - Room 371 F
Titration Training 6: Moisture in Petrochemicals by Karl Fisher Titration
Mark Gavin - Mettler Toledo, LLC, Tore Fossum - Mettler Toledo, LLC

2:30 PM - 3:00 PM - Room 381 B
Identification and Discrimination of Bacteria by Gas Chromatography – Vacuum Ultraviolet Spectroscopy Analysis of Fatty Acids
Ines Santos Post-Doc - The University of Texas at Arlington
2:30 PM - 3:30 PM - Room 372 F
An Advanced Approach to Pyrolysis GC-MS: Characterization of Complex Formulations by Simultaneous TGA-DSC-GC-MS
John Erne - Netzsch Instruments

2:30 PM - 3:00 PM - Room 382 B
Developing Fast GC Methods Using a Unique Capillary Column Heating Technology
James D. McCurry - Agilent Technologies

2:30 PM - 3:00 PM - Room 372 D
NEMS: a Novel, Miniaturized GC Detector on Silicon
Philippe Andreucci - APIX Analytics

2:30 PM - 3:00 PM - Room 381 C
Ion Chromatography Applications for the Petrochemical Industry
Kirk Chassaniol - Thermofisher Scientific

2:45 PM - 3:05 PM - Room 371 D
Microwave Digestion Replaces 10 hour Ash Methods for Metals Analysis in Petroleum Products
Reynhardt Klopper - Anton Paar USA, Inc., Linda Kuenstl - Anton Paar GmbH

3:00 PM - 3:30 PM - Room 381 C
Integrated Informatics: Real-time Evaluation of Results for Process Monitoring
Stephen Meek - Thermo Fisher Scientific

THURSDAY MORNING

9:00 AM - 9:20 AM - Room 371 D
Flow-Modulated GCxGC for Routine Characterization of Petrochemicals
Matthew Edwards - SepSolve Analytical, Lara McGregor - SepSolve Analytical, Nick Bukowski - SepSolve Analytical, Bob Green - SepSolve Analytical

9:00 AM - 9:30 AM - Room 371 F
Combustion Analysis of Commercial Diesel Fuels Containing FAME by ASTM E537 and Pressure Differential Scanning Calorimetry (PDSC)
Cory K. Schomburg - PerkinElmer, Inc.

9:00 AM - 9:30 AM - Room 372 D
Analysis of Oil and Fracking Fluids by Avio 500 ICP-OES
Robert Forester - PerkinElmer

9:00 AM - 9:30 AM - Room 372 E
Automated GC Analysis for Monitoring of Ozone Precursors through Photochemical Assessment Monitoring Stations (PAMS)
Kelly Beard - Agilent Technologies

9:00 AM - 12:00 PM - Room 381 A
Gas Chromatography Made Simple
Lee N. Polite - Axion Analytical Labs, Inc.

9:00 AM - 9:30 AM - Room 381 B
Improved Accuracy of Difficult Titrations Using Thermometric Techniques
Lori Spafford - Metrohm USA

9:00 AM - 12:30 PM - Room 381 C
Dynamic Shear Rheometer (DSR) Training Course for AASHTO/ASTM Standardized Test Methods for Asphalt Testing
Darin Hunter - Anton Paar USA

9:00 AM - 2:30 PM - Room 382 B - 9-Noon - Lunch Break - 1:30- 2:30
Quality Outcomes with XRF, FT-NIR and NMR
Dan Pecard - Bruker Corporation

9:00 AM - 9:25 AM - Exhibit Hall Classroom (End of 200 Aisle)
System Integration Tool Based on Excel
Dr. Scot D Abbott - Phoenix
9:20 AM - 9:40 AM - Room 371 D
Advanced Data Visualization: The Many Dimensions of Petroleomics using High-Resolution Gas Chromatography and Time-of-Flight Mass Spectrometry
Christina Kelly - LECO Corporation, Joseph E Binkley - LECO Corporation, LECO Corporation, Jonathan D. Byer - Byer Precision Machining

9:25 AM - 10:10 AM - Exhibit Hall Classroom (End of 200 Aisle)
Laboratory Ventilation "More is Not Necessarily Better"
Karl Aveard Leed-Ap - Gray & Green Laboratory Systems, Inc., Leif C. Wismar, PE, CEM - Gray & Green Laboratory Systems, Inc.

9:30 AM - 10:10 AM - Room 371 E
Microspectroscopic Sampling – FT-IR and Raman Microscopy
Steve McQueen - Thermo Fisher Scientific

9:30 AM - 10:00 AM - Room 371 F
Determination of H2S in Waste Water and Petrochemical Products
Dr. Michael Hahn - ECH, Dr. Dorit Wilke - ECH

9:30 AM - 9:50 AM - Room 372 D
Care and Maintenance of the Avio 500 and NexION 2000
Robert Forester - PerkinElmer

9:30 AM - 10:00 AM - Room 372 E
Thermal-Vaporization/Pyrolysis and Evolved Hydrocarbon Analysis from Source Rocks and Mud-Rock Reservoirs
Dr. Thomas Malloy - University of Houston

9:40 AM - 10:10 AM - Room 371 D
Improving Detection Limits while Enhancing Profits for the Analysis of Polynuclear Aromatic Hydrocarbons Using Gas Chromatography/Mass Spectrometry (GC/MS)
Lee Marotta - PerkinElmer, Leeman Bennington - PerkinElmer

10:00 AM - 10:30 AM - Room 371 F
Quality Systems in the Petroleum Products and Fuels Laboratory
Jeff Solomon - KBC Advanced Technologies

10:00 AM - 10:30 AM - Room 372 E
Improved Method for Simultaneous Determination of Saturated and Aromatic Biomarkers, Organosulfur Compounds and Diamondoids in Whole-Oil by GC-MS/MS
Mei Mei - University of Houston, K. K. (Adry) Bissada - University of Houston, Thomas B. Malloy - University of Houston, Mike. Darnell - University of Houston, Ewa B. Szymcyk. - University of Houston

10:10 AM - 10:40 AM - Room 371 D
Benzene Fenceline Monitoring; Lessons Learned for Upcoming Compliance
Jesse Miller - Camsco

10:10 AM - 10:40 AM - Exhibit Hall Classroom (End of 200 Aisle)
Cloud LIMS...Is it the right choice for my laboratory?
Jeanne Mensingh - Labtopia

10:15 AM - 11:00 AM - Room 381 B
Rapid Fuel Quality Control Measurements with NIR Spectroscopy
Adam Hopkins J. Ph.D. - Metrohm USA, Raghenvdra Sengar - Metrohm USA

10:20 AM - 10:50 AM - Room 371 E
Theory and Sample Handling
Cam MacIsaac - Thermo Fisher Scientific

10:20 AM - 11:20 AM - Room 372 D
Best Practices on Your Sindie Sulfur Analyzer to Improve Data Quality of Low-Level Sulfur Measurements
Leslie Johnson - XOS

10:30 AM - 11:00 AM - Room 371 F
Got Risk? ISO Quality Risk Assessment
Karen Olson - Labtopia

10:40 AM - 11:25 AM - Exhibit Hall Classroom (End of 200 Aisle)
Preparing Your Lab for a LIMS
Michelle L.Z. Carpenter - Labtopia, Inc.

10:40 AM - 11:00 AM - Room 371 D
New Diatomaceous Earth White Packed Column Material - DiatoSorb Why Packed Columns Should Not Be Forgotten Just Yet or Journey of Diatoms from the Miocene Era to Today
Katarina Oden - Restek Corporation, Barry Burger - Restek Corporation

10:45 AM - 11:30 AM - Room 372 E
Automate Data Processing, Report Generation and LIMS Worklist Processing with OpenLAB CDS
Jennifer McCulley - Agilent Technologies

10:50 AM - 12:00 PM - Room 371 E
Omnic Software Tutorial for IR/Raman Spectroscopy
Cam MacIsaac - Thermo Fisher Scientific, Dr. Robert Jones - Thermo Fisher Scientific

11:00 AM - 11:45 AM - Room 371 D
Determination of minor component differences and additives in polyethylene using thermal desorption, heart-cutting EGA, reactive pyrolysis and GC/MS techniques.
Rojin Belganeh - Frontier Laboratories USA, Terry Ramus - Diablo Analytical, Itsuko Iwai - Frontier Laboratories USA

11:00 AM - 11:30 AM - Room 371 F
Moving the Analysis Closer to the Problem - Improving Efficiency in Plastics Manufacturing Through at Line Contaminant Identification
Bryan DeVerse - Quantum Analytics, John Seelenbinder - Czitek

11:00 AM - 11:30 AM - Room 381 B
New Approved Method for Measuring Halides and Sulfur in LPG Using Combustion IC – ASTM D7994-17
Jay Sheffer - Metrohm USA, Jay Gandhi PhD - Metrohm USA

11:20 AM - 11:40 AM - Room 371 F
Versatility in Process Control & Fuel Analysis using ATR Flow FT-IR
Michael Collier - PAC LP

11:20 AM - 11:40 AM - Room 372 D
Permeation Tubes Provide Accurate Calibration and Notable Sensitivity
Omar Guerra - Kin-Tek Analytical, Inc.

11:25 AM - 11:50 AM - Exhibit Hall Classroom (End of 200 Aisle)
A New Approach to Process Spectroscopy
Brian Rohrback - Infometrix, Inc.

PRESENTATIONS

11:30 AM - 12:00 PM - Room 372 E
Multi-Element Analysis of Petroleum Crude Oils using ICP-MS
Jenny Nelson - Agilent Technologies

11:30 AM - 12:00 PM - Room 381 B
Sour Water Stripper Online Process Control
Gerhard Kirner - Metrohm USA

11:45 AM - 12:10 PM - Room 371 F
Introducing Hyperspectral Imaging and its Application
Mr. Basil Desousa - Headwall Photonics, Inc.

THURSDAY AFTERNOON

1:00 PM - 1:45 PM - Room 371 E
FT-IR Spectral Interpretation and Problem Solving
Dr. Robert Jones - Thermo Fisher Scientific

1:00 PM - 4:00 PM - Room 381 B
Shimadzu/Restek Gas Chromatography Seminar
Jeff Werner - Shimadzu Scientific Instruments, Inc, Jan Pijpelink - Restek Corporation

1:30 PM - 1:50 PM - Room 371 D
Hydrogen Gas Lab Servers: An Advantageous Solution for Petrochem Chromatography
Scott Accetta - Proton Onsite, John Stevenson - Proton Onsite, John Speranza - Proton OnSite

1:30 PM - 2:45 PM - Room 372 D
TOC Monitoring in Chemical Industries
Gary Boostrom - Landon and Associates Liquid Analysis Experts

1:30 PM - 1:50 PM - Room 372 E
High Throughput wear oil analysis. ASTM D5185-13: Analyzing 22 elements in used and unused lubricating and base oils
Lindsey Whitecotton - Agilent Technologies

1:30 PM - 1:55 PM - Room 381 C
Passive Monitoring – A Guide to Sorbent Tube Sampling for EPA Method 325
Nicola Watson - Markes International, Wade Bontempo - Markes International, Matt Edwards - Markes International

1:30 PM - 1:55 PM - Exhibit Hall Classroom (End of 200 Aisle)
Speciation and Quantitation of Silicon in Petroleum Products Using 3rd Generation AED Coupled with Gas Chromatography.
Chen-Shi Huang - JAS (Americas) Inc., Waldemar Weber - JAS GmbH, Joachim Gerstel - JAS GmbH, Dieter Kauczok - JAS GmbH

1:30 PM - 2:30 PM - Room 371 F
Improving Karl Fischer Titrations with Ricca Chemical Company
Darius Bonds - Ricca Chemical Company

1:30 PM - 1:55 PM - Room 381 A
An Accurate, Sensitive Method Analysing Residue in Liquefied Pressurized Gas (LPG) by Thermal Desorption/Gas Chromatography
Leeman Bennington - PerkinElmer, Lee Marotta - PerkinElmer

1:45 PM - 2:30 PM - Room 371 E
Material Characterization – Rheology for Polymer and Crude Oil Industries
Steve Watts - Thermo Fisher Scientific

1:45 PM - 2:30 PM - Room 372 E
Get 'er done with OpenLAB CDS EZChrom Edition
Kathleen O'Dea - Agilent Technologies

1:50 PM - 2:10 PM - Room 371 D
Simplified CO and CO2 Analysis From
Andrew Jones - Activated Research Company

1:55 PM - 2:25 PM - Room 381 C
Determination of Hydrocarbon Group Types and Select Hydrocarbons in Gasoline in Less than 15 Minutes Using Gas Chromatography – Vacuum Ultraviolet Absorption Spectroscopy
Jack Cochran - VUV Analytics, James Diekmann III - VUV Analytics, Dan Wispinski - VUV Analytics, Phillip Walsh - VUV Analytics

1:55 PM - 2:15 PM - Room 381 A
Optimization of Gas Chromatography by Inlet Liner Selection
Timothy Anderson - Phenomenex, Ramkumar Dhandapani - Phenomenex

1:55 PM - 2:20 PM - Exhibit Hall Classroom (End of 200 Aisle)
Petrochemical Sample Analysis by 2D-GC Combined with High-Resolution Mass Spectrometry
John A. Dane - JEOL USA, Inc., Koji Okuda - JEOL USA, Inc., Robert B. Cody - JEOL USA, Inc., Zhanpin Wu - Zoex Corp., Qingping Tao - GC Image, LLC, Steve Reichenbach - University of Nebraska–Lincoln

2:10 PM - 3:25 PM - Room 371 D
Thermal Analysis of Coatings – Photo-DSC, TGA-FTIR, and Dielectric Analysis
John Erne - Netzsch Instruments

2:15 PM - 2:35 PM - Room 381 A
Stability Analysis of Ashpaltene Dispersions and Crude Oil Demulsification Mixtures Using Multiple Light Scattering
Matt Vanden Eynden - Formulaction, Inc.

2:25 PM - 2:55 PM - Exhibit Hall Classroom (End of 200 Aisle)
Accelerate your Petrochemical Research with SciFinder^n
Brian Shofran - Chemical Abstracts Service, Feroze Ali - Chemical Abstracts Service

2:25 PM - 4:25 PM - Room 381 C
Pyrolysis Workshop
Rojin Belganeh - Frontier Laboratories USA, Terry Ramus - Diablo Analytical, Itsuko Iwai - Frontier Laboratories USA, Roger Tank - Frontier Laboratories USA

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SEMINARS/WORKSHOPS/TRAINING COURSE

Wednesday, Room 371 E "THERMO WORKSHOP"

	Start Time	End Time
Microspectroscopic Sampling – FT-IR and Raman Microscopy	09:30 AM	10:20 AM
FTIR /Raman Theory and Sample Handling	10:20 AM	10:50 AM
Omnic Software Tutorial for IR/Raman Spectroscopy	10:50 AM	12:00 PM
FT-IR Spectral Interpretation and Problem Solving	01:00 PM	01:45 PM
Material Characterization – Extrusion techniques for Polymer and Crude Oil Industries	01:45 PM	02:30 PM

Wednesday, Room 371 F "METTLER TRAINING COURSE"

	Start Time	End Time
Titration Training 1: Theory of titration and of electrodes	09:00 AM	09:50 AM
Titration Training 2: Practical Titration Techniques	09:50 AM	10:40 AM
Titration Training 3: Method structure in Titration Excellence Instruments	10:40 AM	11:30 AM
Titration Training 4: Petrochemical Titrations	11:30 AM	12:20 PM
Titration Training 5: LabX Data System	01:30 PM	02:25 PM
Titration Training 6: Moisture in Petrochemicals by Karl Fisher Titration	02:25 PM	03:20 PM

Wednesday, Room 372 E "AGILENT SEMINAR"

	Start Time	End Time
Analysis of Polycyclic Aromatic Hydrocarbons in Petroleum Vacuum Residues by Multiple Heart-Cutting LC Using the Agilent 1290 Infinity 2D-LC Solution	09:00 AM	09:30 AM
Introducing the New Chemiluminescence Detector (xCD) and Low Level Ammonia Analysis by NCD	09:30 AM	10:00 AM
Two Proposed ASTM methods on Elemental Analysis of Biodiesel and Crude Oil by Microwave Plasma Atomic Emission Spectrometry (MP-AES)	10:00 AM	10:30 AM
Go Paperless for an Efficient Accurate Lab	10:45 AM	11:15 AM
Be a Lab Hero with OpenLAB CDS ChemStation Edition	11:15 AM	12:00 PM
Implementing the new ASTM Method D8110 – 17: Elemental Analysis of Distillate Products by Inductively Coupled Plasma Mass Spectrometry (ICP-MS)	01:30 PM	02:00 PM
How to Choose Proper FTIR Spectroscopic Techniques to Analyze Petroleum Products	02:00 PM	02:30 PM

Wednesday, Room 372 F "RSR WORKSHOP"

	Start Time	End Time
RSR WORKSHOP- Refinery Sector Rule- Flare Monitoring, Reporting and NHV Controls, Hosted by Airgas, an Air Liquide Company	09:00 AM	12:00 PM

Wednesday, Room 381 A "FALCON ANALYTICAL - 6TH ANNUAL MICRO & FAST GAS CHROMATOGRAPHY SYMPOSIUM"

	Start Time	End Time
The Ever Expanding Application of Fast Chromatography and Hyphenated Chromatography	10:30 AM	10:40 AM
Recent Advances: An Overview of Fast GC, Sensitive GC and Even Simply Faster GC than the Traditional	10:40 AM	11:00 AM
Resolving the Conflict between Lab and Process Data	11:00 AM	11:20 AM

SEMINARS/WORKSHOPS/TRAINING COURSE (CONT'D)

Recent Advances for Chromatography Data Systems in Fast GC: Control, Data Fusion, Automation	11:20 AM	11:40 AM
True Plug-and-Play Chromatography	11:40 AM	12:00 PM
Roadside Ultrafast GC Analysis of Chemical Markers for Fuel Fraud Enforcement Campaign in the UK and Ireland	01:00 PM	01:20 PM
Identifying Authentic and Fraudulent Diesel Fuel by Fast GC Using Chemometrics	01:20 PM	01:40 PM
Fast Gas Chromatography High Pressure Mass Spectrometry (GC-HPMS) Technique, Software and Applications	01:40 PM	02:00 PM
Optimizing the Interface between Supercritical Fluid Chromatography and Electrospray Ionization Mass Spectrometry	02:00 PM	02:20 PM
Fast Gas Chromatography using Heated Headspace Gas Autosampling Techniques: Polyethylene Pellets, Product Purity Analysis	02:20 PM	02:40 PM

Wednesday, Room 381 B "SHIMADZU SEMINAR/WORKSHOP"

	Start Time	End Time
Analysis of Hydraulic Fracturing Additives by Gas Chromatography and Liquid Chromatography	09:00 AM	09:30 AM
Systematic Approach for the Optimization of on-line Supercritical Fluid Extraction – Supercritical Fluid Chromatography – Tandem Mass Spectrometry	09:30 AM	10:00 AM
Characterization and Quantification of Oxygenates in Fuels and Oilfield Waste using GC-VUV and GC-Polyarc/FID	10:00 AM	10:30 AM
Characterization of Produced water and Current Treatment Options	10:30 AM	11:00 AM
A New Approach for Analyzing Water in Petroleum Products	11:00 AM	11:30 AM
The Next Industry Standard GC: GC-2030 Nexis from Shimadzu	01:00 PM	01:30 PM
How Big of an Analytical Toolbox is needed to Assess the Impacts of Unconventional Oil and Gas Development?	01:30 PM	02:00 PM
Rapid, Green, At-Line Approach to the Determination of Hydroxyl Number in Polyols	02:00 PM	02:30 PM
Identification and Discrimination of Bacteria by Gas Chromatography – Vacuum Ultraviolet Spectroscopy Analysis of Fatty Acids	02:30 PM	03:00 PM

Wednesday, Room 381 C "THERMO WORKSHOP"
Time Savings Chromatography & Mass Spectrometry Innovations Across Your Analysis Workflows

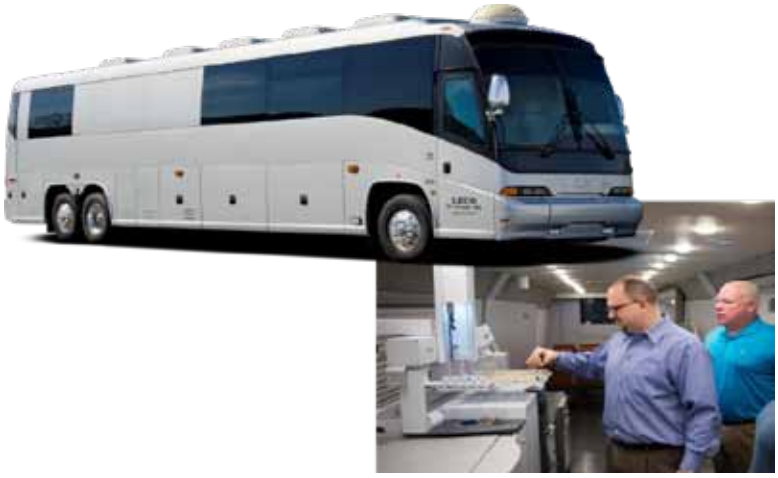
	Start Time	End Time
Continental Breakfast & Networking	09:00 AM	09:30 AM
Meeting Introduction	09:30 AM	09:45 AM
Characterization of Petrochemical Products by OEA (Organic Elemental Analysis)	09:45 AM	10:15 AM
Characterization of Organic Micropollutants in Ship Ballast Water by LC- High Resolution Accurate Mass Spectrometry	10:15 AM	10:45 AM
Halogen and Sulfate Determination in Liquefied Petroleum Gas Using Combustion Ion Chromatography	11:00 AM	11:30 AM
Breaking the Mold: How Modularity Innovated the Gas Chromatograph and Laboratory Workflow	11:30 AM	12:00 PM
Determining Elemental Impurities in Organometallic Matrices with Ease and Confidence	12:00 PM	12:30 PM
Packed Columns: Choice, Care and Consistency	01:15 PM	01:45 PM

SEMINARS/WORKSHOPS/TRAINING COURSE (CONT'D)

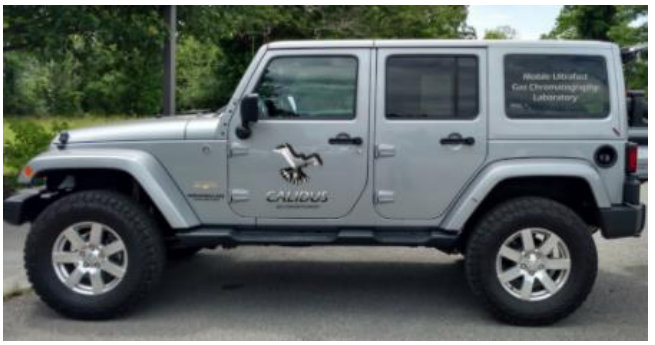
Tracing Sources of CO2 with Delta Ray	01:45 PM	02:15 PM
Ion Chromatography Applications for the Petrochemical Industry	02:30 PM	03:00 PM
Integrated Informatics: Real-time Evaluation of Results for Process Monitoring	03:00 PM	03:30 PM
Thursday, Room 371 E "THERMO WORKSHOP"	**Start Time**	**End Time**
Microspectroscopic Sampling – FT-IR and Raman Microscopy	09:30 AM	10:10 AM
Theory and Sample Handling	10:20 AM	10:50 AM
Omnic Software Tutorial for IR/Raman Spectroscopy	10:50 AM	12:00 PM
FT-IR Spectral Interpretation and Problem Solving	01:00 PM	01:45 PM
Material Characterization – Rheology for Polymer and Crude Oil Industries	01:45 PM	02:30 PM
Thursday, Room 372 E "AGILENT SEMINAR"	**Start Time**	**End Time**
Automated GC Analysis for Monitoring of Ozone Precursors through Photochemical Assessment Monitoring Stations (PAMS)	09:00 AM	09:30 AM
Thermal-Vaporization/Pyrolysis and Evolved Hydrocarbon Analysis from Source Rocks and Mud-Rock Reservoirs	09:30 AM	10:00 AM
Improved Method for Simultaneous Determination of Saturated and Aromatic Biomarkers, Organosulfur Compounds and Diamondoids in Whole-Oil by GC-MS/MS	10:00 AM	10:30 AM
Automate Data Processing, Report Generation and LIMS Worklist Processing with OpenLAB CDS	10:45 AM	11:30 AM
Multi-Element Analysis of Petroleum Crude Oils using ICP-MS	11:30 AM	12:00 PM
High Throughput wear oil analysis. ASTM D5185-13: Analyzing 22 elements in used and unused lubricating and base oils	01:30 PM	01:50 PM
Get 'er done with OpenLAB CDS EZChrom Edition	01:45 PM	02:30 PM
Thursday, Room 381 B "SHIMADZU/RESTEK SEMINAR"	**Start Time**	**End Time**
Shimadzu/Restek Gas Chromatography Seminar	01:00 PM	04:00 PM
Thursday, Room 381 C "DYNAMIC SHEAR RHEOMETER (DSR) TRAINING COURSE"	**Start Time**	**End Time**
Dynamic Shear Rheometer (DSR) Training Course for AASHTO/ASTM Standardized Test Methods for Asphalt Testing	09:00 AM	12:30 PM
Thursday, Room 381 C "PYROLYSIS WORKSHOP"	**Start Time**	**End Time**
Pyrolysis Workshop	02:25 PM	04:25 PM
Thursday, Room 382 B "BRUKER SEMINAR"	**Start Time**	**End Time**
Quality Outcomes with XRF, FT-NIR and NMR	09:00 AM	02:30 PM

The Mobile Labs Are Rolling In……

Siemens Industry Booth #939

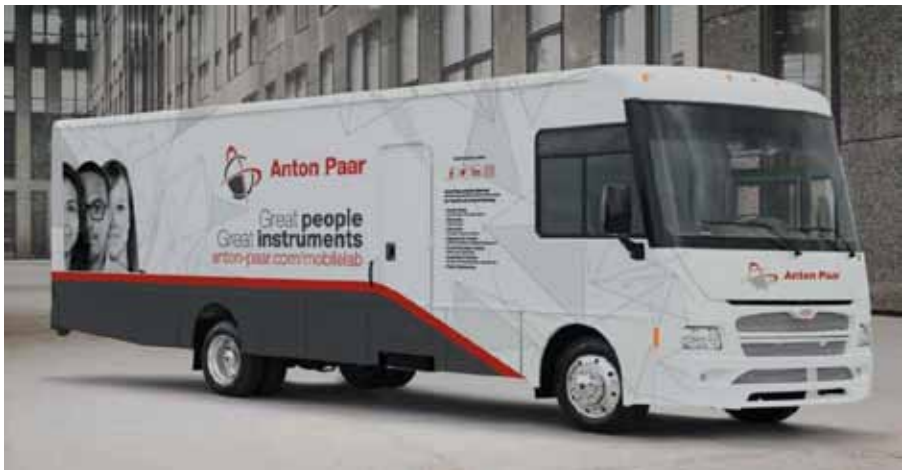


LECO Mobile Lab Booth #915



Falcon Analytical Booth #649

A mobile laboratory can now go to the samples, rather than the other way around, to improve response times, costs, flexibility, and health safety concerns. One of the main reasons that scientists prefer to use mobile laboratories is that they can analyze critical data analysis faster than with traditional methods. The time lost in transportation can be crucial in decision making. These labs-on-wheels come in all sizes and configurations.



Anton Paar Booth 203

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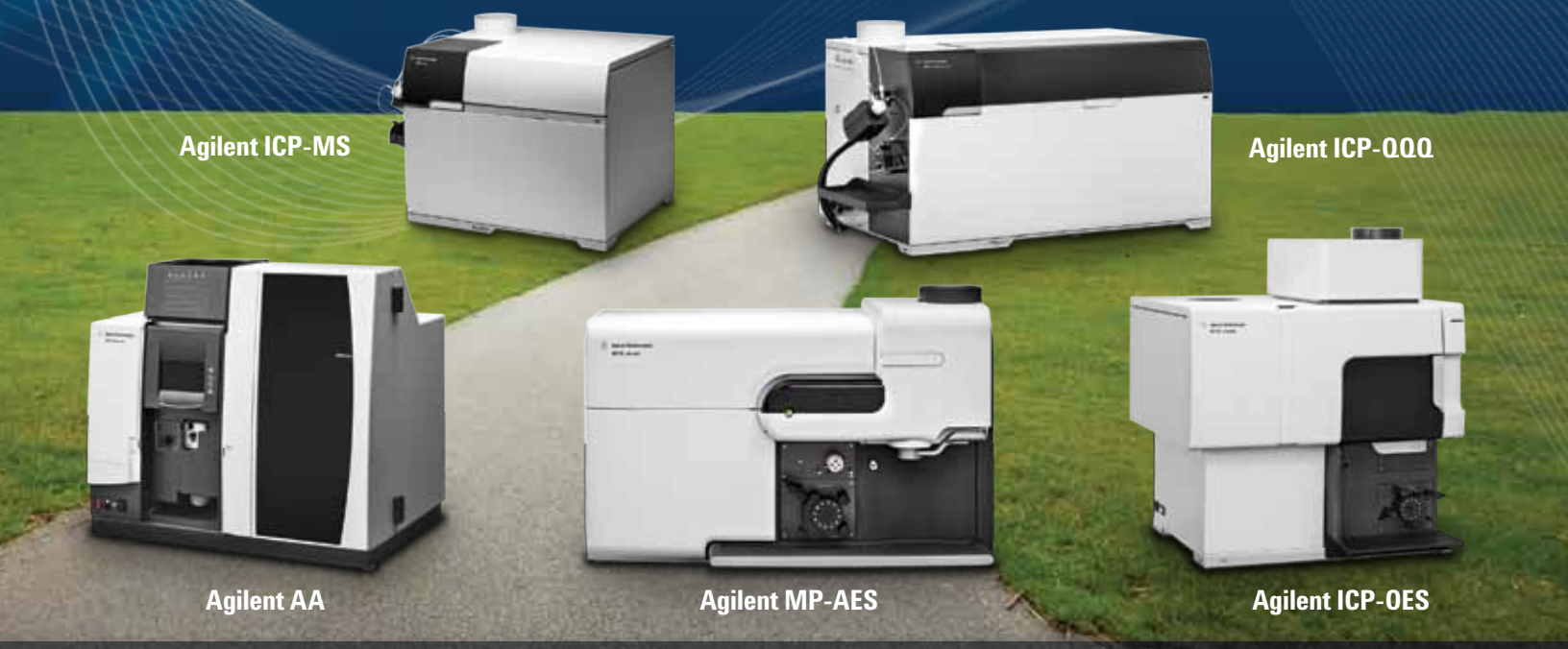

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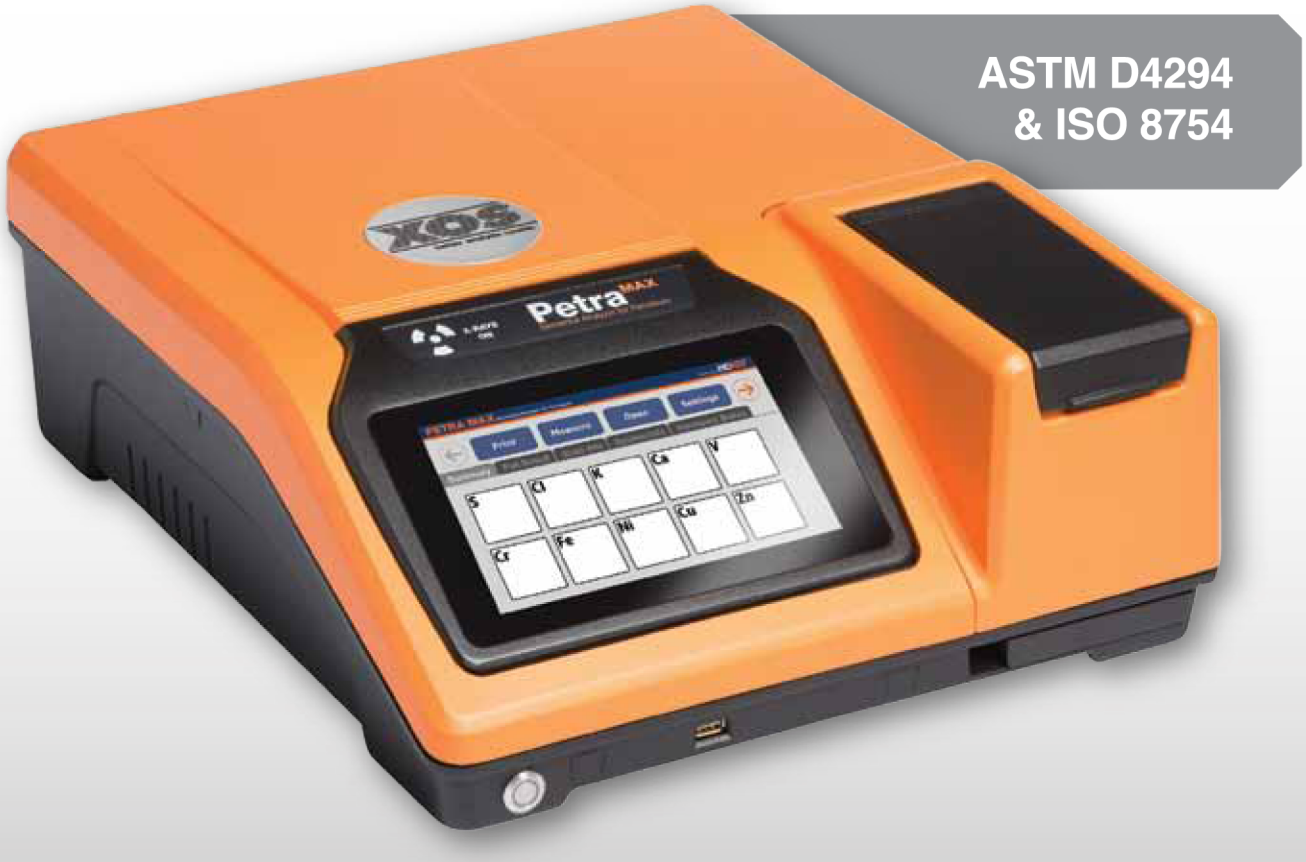

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POSTERS – EXHIBIT HALL –THURSDAY

Poster# 105 - 9:30 AM - Exhibit Hall
Development of an NIR Analyzer for Measuring Multiple Fuel Properties of Commercial and Military Grade Jet Fuel in the Field
Dr. Raj Shah - Koehler Instrument Company, Cindy Galdamez - Koehler Instrument Company, Stuart Farquharson - Real Time Analyzers

Poster# 106 - 9:50 AM - Exhibit Hall
Development of an ASTM Method to Reliably Predict Which Heavy Crudes or Petroleum Residua can be Mixed Without Causing Phase Separation
Dr. Raj Shah - Koehler Instrument Company, Cindy Galdamez - Koehler Instrument Company

Poster# 109 - 1:00 PM - Exhibit Hall
Development of an Energy Dispersive X-ray (EDXRF) Technology and Experimental Technique to Measure Low PPM of Sulfur and Chlorine to Comply with Tier 3 Gasoline Standards
Dr. Raj Shah - Koehler Instrument Company, Vincent Colantuoni - Koehler Instrument Company, Eric Cervino - Koehler Instrument Company

Poster# 110 - 11:10 AM - Exhibit Hall
Construction and Evolvement of a State of the Art Laboratory Technique for Corrosion Measurement: Comparative Study of a Variety of Samples Using NACE/ASTM D665 in Relation to a New Benchtop Accelerated Corrosion Test Method
Dr. Raj Shah - Koehler Instrument Company, Imran Husseni - HollyFrontier Refining, Vincent Colantuoni - Koehler Instrument Company, Eric Cervino - Koehler Instrument Company

Poster# 116 - 9:30 AM - Exhibit Hall
Lubricating Oils Analysis Using Thermal Desorption and Pyrolysis / Direct Analysis in Real Time-Mass Spectrometry (TDP/DART-MS)
Chikako Takei - BioChromato, Inc., Kenichi Yoshizawa - BioChromato, Inc.

Poster# 129 - 1:20 PM - Exhibit Hall
A Detailed Study and Comparison of a Variety of Bench Scale ASTM Oxidation Tests for Lubricating Oils
Nicole Passariello - Koehler Instrument Company, Inc., Dr. Raj Shah - Koehler Instrument Company, Inc., Vincent Colantuoni - Koehler Instrument Company, Inc.

Poster# 138 - 10:00 AM - Exhibit Hall
Fast Simulated Distillation Analysis by Modified ASTM® D2887, D7169, D6352, and D7500
Tracy Dini - Perkin Elmer Inc., Mamdouh Farag - Perkin Elmer Inc.

Poster# 142 - 11:00 AM - Exhibit Hall
Development of Ion Chromatography and Mass Spectrometry Technique for Squeeze Management
Lei Cheng - Ecolab, Christopher Durnell - Ecolab, Emerils Casado-Rivera - Ecolab

Poster# 143 - 10:20 AM - Exhibit Hall
GC-ICP-MS Analysis of Nickel and Iron Carbonyl in Carbon Monoxide and Syngas
William M. Geiger - CONSCI, Ltd., Jesus Anguiano - CONSCI, Ltd., Blake McElmurry - CONSCI, Ltd.

Poster# 153 - 10:40 AM - Exhibit Hall
Dual-Channel GC×GC-FID for Routine TPH Analyses
Chris Hall - SepSolve Analytical, Matthew Edwards - SepSolve Analytical, Laura McGregor - SepSolve Analytical, Aaron Parker - SepSolve Analytical, Nick Bukowski - SepSolve Analytical

Poster# 155 - 11:00 AM - Exhibit Hall
Unlocking the Power of GCxGC: Advances in Data Processing Workflows
Matthew Edwards - SepSolve Analytical, Laura McGregor - SepSolve Analytical, Chris Hall - SepSolve Analytical, Nick Bukowski - SepSolve Analytical

Poster# 157 - 10:00 AM - Exhibit Hall
Determination of Chlorinated Compounds in Hydrocarbon Streams Using a Halogen Specific Detector(XSD)
Cynthia Elmore - OI Analytical

Poster# 161 - 11:20 AM - Exhibit Hall
FAMEs Analysis In Less Than 12 Minutes! Reducing Analysis Time Using The Magic Of GC Column Parameters
Ramkumar Dhandapani - Phenomenex, Timothy Anderson - Phenomenex, Marc Gregerson - Phenomenex

Poster# 164 - 1:20 PM - Exhibit Hall
Accurate Analysis of Low-Level Sulfur Compounds Using Gas Chromatography Coupled with a Sulfur Chemiluminescence Detector
Jim McCurry - Agilent Technologies, Jason Ashe - Agilent Technologies, Paul Barboni - Agilent Technologies

Poster# 170 - 11:00 AM - Exhibit Hall
New High Temperature PEG GC Column with Increased Temperature Limit and Ultra-Low Bleed Level
Vanessa Abercrombie - Agilent Technologies, Ngoc-A Dang - Agilent Technologies, John Oostdijk - Agilent Technologies, Frans Biermans - Agilent Technologies, Laura Provoost - Agilent Technologies, Daron Decker - Agilent Technologies, Phil Stremple - Agilent Technologies

Poster# 174 - 11:00 AM - Exhibit Hall
Determination of Absorbable Organic Halogen in Wastewater
Carl Fisher - Thermo Fisher Scientific, Jingli Hu - Thermo Fisher Scientific, Jeffrey Rohrer - Thermo Fisher Scientific

Poster# 181 - 1:40 PM - Exhibit Hall
Enhanced Quantitation and Reporting Features for ASTM D5769 Using ChromaTOF-BT
Christina Kelly - LECO Corporation

Poster# 184 - 9:50 AM - Exhibit Hall
Analysis of Light Hydrocarbons Using a Single-Plate Reverse Fill/Flush GC x GC Differential Flow Modulator
James D. McCurry - Agilent Technologies, Inc., Jason Ashe - Agilent Technologies, Inc, Jim Luong - Dow Chemical Canada, Shi-Fen Xu - Agilent Technologies, Inc, Taylor Hayward - Dow Chemical Canada, Juan Aybar - Agilent Technologies, Inc, Roger Firor - Agilent Technologies, Inc, Matthew Giardina - Agilent Technologies, Inc

Poster# 192 - 10:00 AM - Exhibit Hall
Advantages of Temperature Controlled Sample Introduction for High Volatile and Viscous Organic Samples with ICP-OES
Nora Bartsch - Thermo Fisher Scientific (Bremen) GmbH, Dr. Elena Chernetsova - Thermo Fisher Scientific (Bremen), Paul Voelker - Thermo Fisher Scientific

Poster# 195 - 11:00 AM - Exhibit Hall
Chloride Monitoring in Feedstocks and Process Streams Using MWDXRF
Kyle Kuwitzky - XOS

Poster# 200 - 10:30 AM - Exhibit Hall
Process Raman Spectroscopy in Polymer Manufacturing
Patrick Wiegand - Kaiser Optical Systems Inc., Jeremy Linoski - Kaiser Optical Systems Inc., Tim Felder - Felder Analytical, David Strachan - Kaiser Optical Systems Inc.

Poster# 202 - 10:00 AM - Exhibit Hall
Real Time Process Optimization to Meet Sulfur and Nitrogen Regulatory Challenges
Lisa Houston - PAC

Poster# 203 - 10:00 AM - Exhibit Hall
Overcoming Challenges in Heavy Oil Viscosity Management
Dan Airey - PAC, Jonathan Cole - PAC

Poster# 206 - 10:20 AM - Exhibit Hall
Improved Process Blending Through Micro Distillation
Henry Montoya - PAC

Poster# 217 - 9:50 AM - Exhibit Hall
What's New at ASTM? Moving Method D3606 from Packed to Capillary Technology
Leeman Bennington - PerkinElmer, Lee Marotta - PerkinElmer

Poster# 225 - 11:00 AM - Exhibit Hall
Meeting TIER III Performance Based Measurement System Criteria for Measuring Low Level Sulfur by ASTM D5453 in Automotive Fuels
Robbert Van Wessel - PAC lp

Poster# 235 - 9:50 AM - Exhibit Hall
The Analysis of Distillate Products per ASTM D8110-17 Using the Agilent 7800 and Teledyne-Cetac MVX-7100 µL Autosampler
Lindsey Whitecotton - Agilent Technologies, Jenny Nelson - Agilent Technologies

Poster# 236 - 11:40 AM - Exhibit Hall
Selective Analysis of Trace Level Carbonyl Sulfide in Propylene by Gas Chromatography and Chemiluminescence as Alternative Detection for ASTM D5303
Marijn Van Harmelen - PACLP, Rob De Jong - PAC

POSTERS

Poster# 262 - 10:30 AM - Exhibit Hall
A New Approach for Analyzing Water in Petroleum Products
Mark Janeczko - Shimadzu Scientific Instruments, Inc.
Poster# 263 - 10:20 AM - Exhibit Hall
Shimadzu simulated distillation system, Nexis GC-2030 and LabSolutions SIMDIS
Satoshi Yano - Shimadzu Corp.

Poster# 271 - 1:40 PM - Exhibit Hall
Versatile sampling approaches compatible with Thermal desorption pre-concentration for analysis of VOCs & SVOCs in environmental samples
Lara Kelly - Markes International Ltd, Massimo Santoro - Markes International Ltd, Wade Bontempo - Markes international ltd, Ben Landas - Markes international ltd, Nicola Watson - Markes International ltd

Poster# 272 - 1:40 PM - Exhibit Hall
Acid Number of Crude Oils and Petroleum Products by Catalytic Thermometric Titration using ASTM D8045
Lori Spafford - Metrohm USA

Poster# 273 - 2:00 PM - Exhibit Hall
OMNIS: Titration for Faster, Safer and Easier Analysis
Lori Spafford - Metrohm USA

Poster# 288 - 10:30 AM - Exhibit Hall
Passive Monitoring – A Guide to Sorbent Tube Sampling for EPA Method 325
Nicola Watson - Markes International, Wade Bontempo - Markes International, Matt Edwards - Markes International

Poster# 290 - 10:40 AM - Exhibit Hall
Improving the Analytical Sensitivity and Overcoming Chromatographic Coelution in the TO-15 GC-MS Method for Measuring Air Toxics
Ngee Sing Chong - Middle Tennesse State University, Kiin Keith - Middle Tennessee State University, Archana Tirumala - Middle Tennessee State University, Xintian Yu - Middle Tennessee State University

Poster# 299 - 10:10 AM - Exhibit Hall
Rapid Analysis of Liquefied Petroleum Gas using Micro GC Fusion
Christina Heacox - INFICON

Poster# 300 - 10:00 AM - Exhibit Hall
Overcoming Challenging SM 5310B TOC Determinations of Municipal and Industrial Wastewater Samples
John Welsh - OI Analytical

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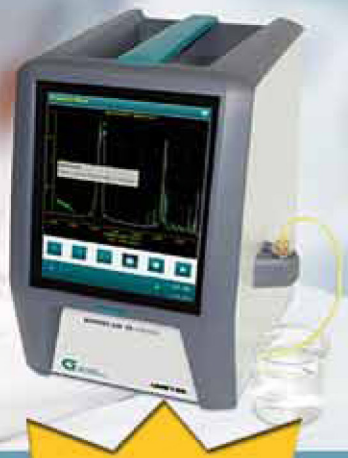

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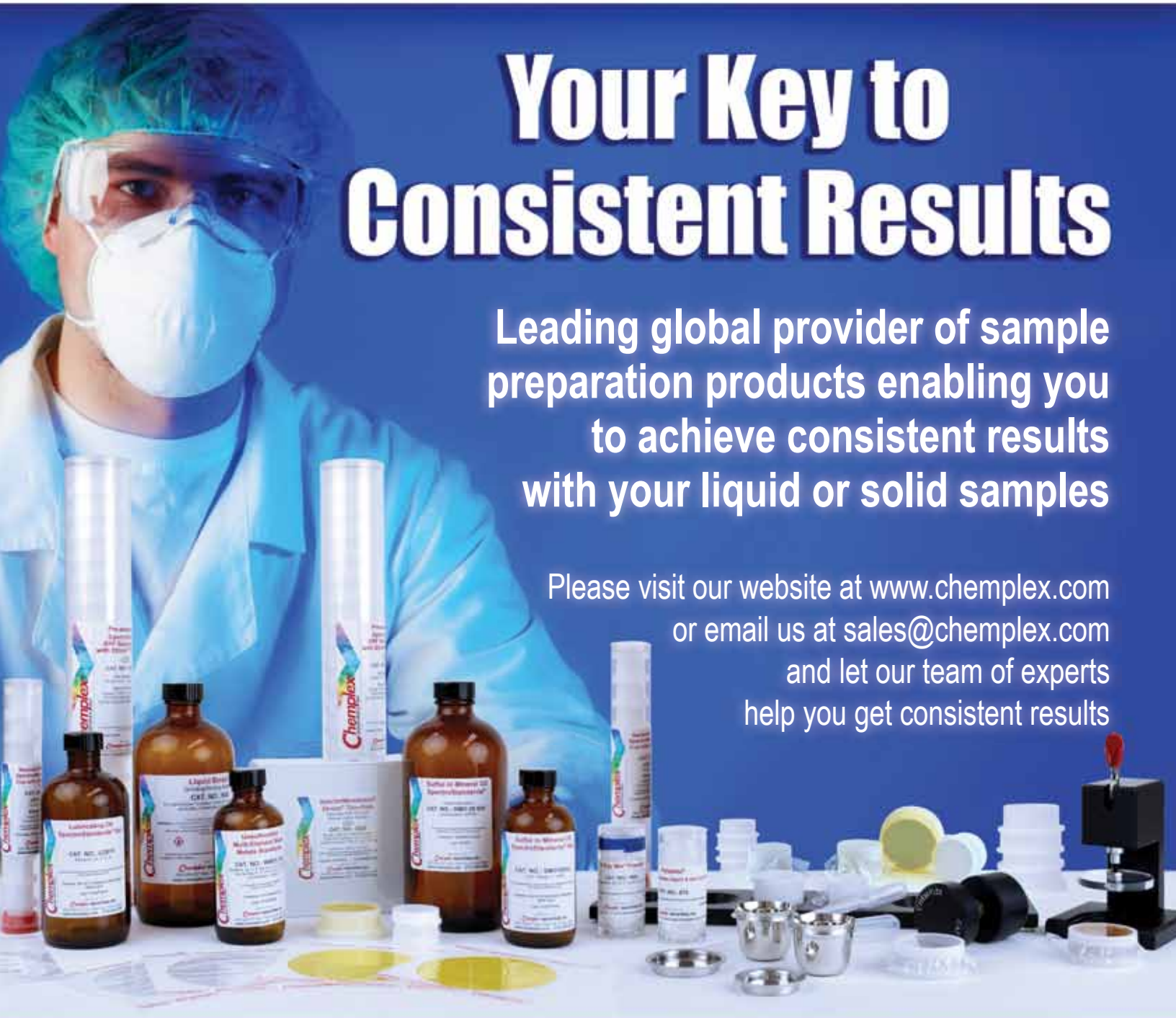

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