

**MONDAY, MARCH 24, 2014
2:00 PM TO 5:00 PM**

ISSUES		PROCESS SAFETY	ADAPTING TO TIGHT OIL	HYDROPROCESSING	FCC TECHNOLOGIES
2:00 PM	Unique Challenges Outside the Environmental Department Related to Flares Larry Darcey Sage Environmental AM-14-01	API Process Safety Site Assessment Program Overview Andrew Broadbent API AM-14-06	Will OPEC Defeat US Tight Oil and Will Majors Stand on the Sideline? Ann-Louise Hittle Wood Mackenzie AM-14-12	Catalytic Solutions for Increasing Middle Distillate Yields Greg Rosinski ART AM-14-18	Capturing Maximum Values for Processing Tight Oil through Optimization of FCC Catalyst Technology Shaun Pan BASF AM-14-23
2:30 PM	RFS2 Version 2.0, Armageddon Averted Thomas Hogan Turner, Mason & Co. AM-14-02	Creating a Culture of Safety through Effective Leadership Steven Anderson Integrated Leadership Systems, LLC AM-14-07	Challenges and Solutions for Processing Opportunity Crudes Michael Dion GE Water & Process Technologies AM-14-13	A New Catalyst Generation for Additional Hydrogenation and Volume Swell Per Zeuthen Haldor Topsoe AM-14-19	Shale Gas-Driven Wave of New Petrochemical Plants in North America is Opportunity for Refiners Dilip Dharia Technip Stone & Webster AM-14-24
3:00 PM	Revisiting RINsanity: RIN Market Update and Renewable Fuels Standard Outlook Anna Temple Wood Mackenzie AM-14-03	The Human Side of Errors Ian Nimmo Center Human Factors & Ergonomics LLC AM-14-08	Distillation Heater Operation while Processing Tight Oil Patrícia Marques Petrobras AM-14-14	Catalyst Selection – A Refiner's Perspective George Hoekstra Hoekstra Trading LLC AM-14-20	Advances in Propylene Maximization from the FCC Unit Udayshankar Singh WR Grace AM-14-25
3:30 PM	Issues Update • Regulatory • Legislative • Litigation AFPM Staff AM-14-05	Networks Enhance Process Safety Doug Evans Suncor Energy AM-14-09	Challenges of Processing Feeds Derived from Tight Oil Crudes in the Hydrocracker Deepak RD Criterion Catalysts and Technologies AM-14-15	A Step-Wise Approach to Meeting the Growing Imbalance between Diesel/Gasoline Production Larry Wisdom Axens North America AM-14-21	Take Action to Maximize Distillate and Alkylation Feed from Your FCC Unit George Yaluris Albemarle Corporation AM-14-26
4:00 PM		Only You Can Prevent MI Fires - Six More Case Studies of Big Incidents John T. Reynolds Intertek/Moody AIS AM-14-10	Processing Tight Oils in the FCC: Issues, Opportunities, and Flexible Catalytic Solutions Michael Federspiel Grace Catalysts Technologies AM-14-16	Dewaxing Technology Enables Premium Distillate Production Mohan Kalyanaraman ExxonMobil AM-14-22	FCC Additive Improves Residue Processing Economics with High Iron Feeds Todd Hochheiser Johnson Matthey AM-14-27
4:30 PM		Alarm Upgrades Via Rationalization Kevin Brown Honeywell Process Solutions AM-14-11	Diesel Hydrotreating Challenges & Opportunities When Processing Tight Oil Kaspar Vogt Albemarle AM-14-17	Dewaxing Challenging Paraffinic Feeds in North America Renata Szynekarcuzuk Criterion Catalysts and Technologies AM-14-74	Implementation of State-of-the-Art FCC Technology for Improved Reliability and Profitability at Deer Park Refinery David Hunt Shell Global Solutions AM-14-28

**TUESDAY MORNING MARCH 25, 2014
9:30 AM TO 12:00 PM**

	REFINERY OPERATIONS	GASOLINE/PETROCHEMICALS	CRUDE OIL SUPPLY	SULFUR RECOVERY & UTILITIES	STRATEGIC CAPITAL INVESTMENTS
9:30 AM	Dividing Wall Column Technology for Efficient Hydrocarbon Separations Ian Elgey KBR AM-14-29	Petrochemical Landscapes: The Blessing and Curse of the Shale Revolution. Jim Foster Platts AM-14-34	Shale Gas Boom and Tight Oil - A New Era for the Refining Industry Mark Lockhart Burns and McDonnell AM-14-39	Capital Project Breakpoints for Recovering Light Hydrocarbons and Hydrogen from Refinery Fuel Gas Lily Bai Bechtel AM-14-44	Trends in U.S. Refined Product Supply/Demand Balances Andrew Hill Turner, Mason & Co. AM-14-49
10:00 AM	Increasing Throughput in Existing Separators: New High Efficiency Separator Internals Can Provide Higher ROI for Refinery Facility Upgrades Dag Kvamsdal Cameron International AM-14-30	Optimizing Naphtha Complexes in the Tight Oil Era Mary Wier UOP LLC AM-14-35	Has The Boom Gone Bust? (U.S. crude differentials, logistics, and infrastructure) Skip York Wood Mackenzie AM-14-40	Cooling Towers: Hidden Gems of Profitability Nikki Bishop Emerson Process Management AM-14-45	Canadian Tidewater Access – Implications for the U.S. Neil Earnest Muse, Stancil & Co. AM-14-50
10:30 AM	Semantic Procedure Analysis Thomas Kindervater Center for Operator Performance AM-14-31	Gasoline Production in the Age of Tight Oil, Renewable Fuel Mandates, and Tier 3 Regulations Eric Ye DuPont Sustainable Solutions AM-14-36	The Effect of Crude by Rail on Refining and Logistics David Hackett Stillwater Associates LLC AM-14-41	The Seven Deadly Sins of Sour Water Stripping Michael Sheilan Sulphur Experts AM-14-46	World Best Refineries Jon Stroup Solomon Associates AM-14-51
11:00 AM	Planning, Design, and Implementation of the Automation System for the Marathon Detroit Refinery Expansion Edward Bullerdiek Marathon Petroleum Company AM-14-32	Tier 3 Capital Avoidance with Catalytic Solutions Patrick Gripka Criterion Catalysts and Technologies AM-14-37	Changing Crude Qualities and Their Impacts on U.S. Refinery Operations John Mayes Turner, Mason & Company AM-14-42	Amine System Improvements Drive Refinery Gains Jeffrey Zurlo GE Water & Process Technologies AM-14-47	Improving Refinery Asset Flexibility for Addressing Changes in Crude Slate and Product Mix Rashid Iqbal KBR AM-14-52
11:30 AM	Innovation Leads to New Solids Management Technology Douglas Longtin Baker Hughes, Inc AM-14-33	Advances in Cracked Naphtha Hydrotreating Geoff Dubin Axens North America AM-14-38	Tracking and Auditing the Impact of New Crudes on Refinery Operability and Profitability M. Scott Green KBC AM-14-43	Caustic Scrubber Designs for H₂S Removal from Refinery Gas Streams Darryl Mamrosh Trimeric Corporation AM-14-48	Can U.S. Refiners Invest for Success? Samuel Davis Wood Mackenzie AM-14-53

**TUESDAY AFTERNOON MARCH 25, 2014
2:00 PM TO 4:00 PM**

HYDROGEN		ALTERNATE FUELS	FCC OPERATIONS	RISK MITIGATION	RELIABILITY
2:00 PM	Hydrogen Generation and Production Trends Kevin Proops Solomon Associates AM-14-54	Monetizing NGLs to Diesel – An Attractive Path? Jeff Bray UOP, LLC AM-14-58	How to Make Anything in an FCCU Warren Letzsch Technip Stone and Webster AM-14-62	Dynamic Risk Prediction for Safer and More Reliable Processes Deborah Grubbe Near-Miss Management LLC AM-14-70	Using Your Big Data to Improve Operations and Asset Reliability Management Roy Whitt Meridium, Inc. AM-14-67
2:30 PM	Strategic Options in Hydrogen Plant Design to Improve Refinery Margins Sanjiv Ratan Technip Stone & Webster AM-14-55	Natural Gas in Transportation: The Impact on Oil Demand in the U.S. and Beyond Alan Gelder Wood Mackenzie AM-14-59	Commercial Experience of Operating FCC Unit with Low Catalyst-to-Feed Ratio and Reduced REO Content in the Catalyst Mikhail Levinbuk A.V. Topchiev Institute of Petrochemical AM-14-63	Process Safety Management: Going Beyond Functional Safety Peter Martin Invensys AM-14-66	The Path to World Class Reliability Performance James Feeney Solomon Associates AM-14-71
3:00 PM	Carbon Dioxide Emissions from Hydrogen Plants: Understanding the Options Goutam Shahani Linde Engineering North America AM-14-56	Fuel Quality of Biomass-Derived Drop-In Fuels Celeste McLeod CRI Catalyst Company AM-14-60	Sink or Swim? How to Thrive in the Flood of Tight Oils Raul Arriaga Albemarle Corp. AM-14-64	The Strategic Approach to Operational Excellence In Highly Hazardous Operations Jack Pankoff Production Excellence, Inc. AM-14-68	The Missing Measurements – Essential for Improving Process Availability Gary Hawkins Emerson Process Management AM-14-72
3:30 PM	Catalysts to Optimize Hydroge Production in the Refinery Ross Brunson Clariant AM-14-57	Realization of Advanced Biofuels: Growing the Supply of Renewable Diesel Fuel James Andersen UOP LLC AM-14-61	Best Practices for SOx Emissions Control Utilizing Additives Ray Fletcher Johnson Matthey AM-14-65	Safer Operations: Overpressure Protection in Flare Systems using Pressure Safety Valve Sizing Ron Beck AspenTech AM-14-69	Use of Crude Unit Overhead Monitoring Automation Improves Reliability in Processing Conventional and Non-Conventional Crude Oils Sam Lordo NALCO Champion AM-14-73