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**Monday, March 14, 2016
2:00 PM TO 5:00 PM**

	HYDROPROCESSING	PROCESS SAFETY	FCC OPERATIONS	GASOLINE PROCESSES	RESID CONVERSION
2:00 PM	Increasing Refinery Product Slate Flexibility via Revamping the Cat Feed Hydrotreater David Schwalje Axens, North America AM-16-01 1	Five Large Mechanical Integrity Losses - The What, Why, & How They Happened John Reynolds Intertek AIM AM-16-07 98	New and Old Equations Tie Together 75 Years of FCC Standpipe Experience Phillip Niccum KP Engineering AM-16-13 173	How Real is the Peak in US Gasoline Demand? Linda Giesecke Wood Mackenzie AM-16-19 306	What's Next for US Coking Units? Richard Conticello Amec Foster Wheeler AM-16-28 390
2:30 PM	Premium Products and Upgrades Using HDC Catalyst Systems David Vannauker Haldor Topsoe AM-16-02 23	Following Procedures Can Save Lives Tom Fiske Yokogawa AM-16-08 114	The Changing Impact of Coke on Catalyst in FCC Operations Warren Letsch Technip-Stone and Webster AM-16-14 204	The Light Naphtha Surplus and the Potential Impact of Tier 3 Sulfur Charles Kemp Baker & O'Brien AM-16-20 315	Hydrocracking Difficult Residue-derived Vacuum Gas Oils Theo Maesen Chevron Lummus Global AM-16-29 412
3:00 PM	Adapting Quickly to the Changing Refining Market and Regulations Laura Kadlec UOP, A Honeywell Company AM-16-05 33	Process Event Avoidance: Using Identification of Process Faults to Avoid Abnormal Process Events Thomas Kindervater Center for Operator Performance AM-16-09 122	Identifying the Root Cause of Afterburn in Fluidized Catalytic Crackers Ray Fletcher CPFD-Software AM-16-15 228	A Breakthrough Technology for Producing High-octane Alkylate Mitrjit Mukherjee Exelus Inc. AM-16-21 N/A	Environmental Solutions to Coke Drum Quenching John Ward Bechtel Hydrocarbon Technology Solutions AM-16-30 423
3:30 PM	Using a Data-driven Method of Accident Analysis: A Case Study of the Human Performance Reliability Process William Brokaw Kestrel Management LLC AM-16-10 139	Combating the Negative Effects of Iron in the FCC at Philadelphia Energy Solutions Patrick Salemo Philadelphia Energy Solutions AM-16-16 245	Successful Start-up of the First Solid Catalyst Alkylation Unit Jackeline Medina CBI/Lummus Refining and Gasification AM-16-22 329	WORKFORCE DEVELOPMENT	
				Narrow the Skills Gap, Improve Productivity and Increase Retention Don Whyte NCCER AM-16-25 N/A	
4:00 PM	Refinery Yield Flexibility through Hydrocracking Technology David Pappal Valero Energy AM-16-03 63	Beyond Management Systems: Achieving Operational Excellence Alfonsius Ariawan DuPont Sustainable Solutions AM-16-11 156	BoroCat – An Innovative Solution from Boron-based Technology Platform for FCC Unit Performance Improvement Shaun Pan BASF AM-16-17 273	Solutions for Producing Higher Octane Gasoline Marina Minin UOP, A Honeywell Company AM-16-23 346	New Workforce Development Tools and Technology Daniel Groves Construction Industry Resources, LLC AM-16-26 N/A
4:30 PM	Kinetic Insights Drive Improved Hydrotreater Performance Robert Bliss Albemarle Corporation AM-16-06 76	High Reliability Organizations: Managing Risk in Complex Operating Environments Christopher Seifert Wilson Perumal & Company AM-16-12 166	Breakthrough Methods for Evaluation of Metals Poisoning in FCC Catalyst Ryan Nickell Albemarle Corporation AM-16-18 283	Best Practices in Motor Gasoline Blending James Brown Applied Instruments Technologies, Inc. AM-16-24 368	Levelling Up: Progress from Operator Training to Competency Management. John Roffel Honeywell Control Systems Ltd. AM-16-27 436

**TUESDAY MORNING MARCH 15, 2016
9:00 AM TO 11:30 PM**

PETROCHEMICALS		RELIABILITY	ENVIRONMENTAL	OPERATIONS & TURNAROUNDS	STRATEGIC ISSUES
9:00 AM	The Future of Chemicals Michael Krenek Deloitte AM-16-31 453	Managing Complexities on Asset Management in Refining Companies Hiran Bhadra 496 KPMG AM-16-36	Fenceline and Community Monitoring – The State of the Art and Implications to Modern Refinery Operations Troy M. Boley IMACC, LLC N/A AM-16-41	Achieving an Operator Ownership Culture Mark Parris Shell International Exploration and Production AM-16-46 635	How Long Can US Product Exports Continue to Grow? Alan Gelder Wood Mackenzie 701 AM-16-51
9:30 AM	What's Cracking? The Coming Battle between Ethane and Propane Debnil Chowdhury IHS Inc. AM-16-32 N/A	Best Practices for Performing Data Mining from Unstructured Data for Mechanical Integrity Brent Stanley Asset Data Integrity Services AM-16-37 N/A	The Refinery "RTR" Rule – Major Refinery Impacts and Targeted Solutions Mark Lockhart Burns & McDonnell 537 AM-16-42	A Solution for the Increasing Amine Cycle in Refinery Operations James Noland 654 Dorf Ketal Chemicals LLC AM-16-47	Where's the Resid? Steven Graybill Downstream Advisors, Inc. AM-16-52 711
10:00 AM	Outlook for Petrochemical Spending Trey Hamblet 475 Industrial Info Resources, Inc. AM-16-35	The Business Case for Reliability Benchmarking Jeffrey Dudley 503 Solomon Associates AM-16-38	"Closing the Loop" on RCRA listed K-170 Larry Weber Cat'Fine Management Technologies LLC AM-16-43 591	Benchmarking & Optimizing Maintenance Work Scope for Turnarounds Brett Schroeder 665 Asset Performance Networks AM-16-48	IH ² Technology Case Study: Lowering Investment Risk by Integrating Advanced Biofuel Production with Existing Refining Infrastructure Celeste McLeod CRI Catalyst Company AM-16-53 N/A
10:30 AM	Petrochemical Scenario Planning and Regional Competitive Shifts Karl Bartholomew ICIS AM-16-34 483	Implementing Reliability in Oil & Gas through the CMMS Aaron Schofield Electronic Data, Inc. AM-16-39 507	Alternatives to Flare Gas Recovery for Sour Gas Kenneth McIntush Trimeric Corporation 605 AM-16-44	Optimization for a Successful Turnaround Matthew Popovacki 675 T.A. Cook Consultants Inc. AM-16-49	Adapting Petrochemical Processes For Enhancing Tier 3 Gasoline Blending Options Melvin Larson KBC Advanced Technologies AM-16-54 725
11:00 AM	Building the Midstream Company of the Future Tom Hiddemen KPMG AM-16-33 N/A	An Integrated, Modular Solution for Plantwide Asset Management Martin Turk Schneider Electric AM-16-40 518	Sulfur Recovery Tail Gas Handling Options for Optimized Refinery SRU Performance Laurent Thomas Shell Global Solutions 622 AM-16-45	Expediting Reactor Entry with Chemistry Armand Abay 690 Refined Technologies Inc. AM-16-50	Security and Risk Mitigation – Practical and Cost-Effective Solutions by the US Nuclear Industry Gary Hayner 740 Jensen Hughes AM-16-55

**TUESDAY AFTERNOON MARCH 15, 2016
2:00 PM TO 4:30 PM**

	PLANT AUTOMATION	MARGIN IMPROVEMENT	CRUDE OIL SUPPLY	WATER ISSUES	REGULATORY & LEGISLATIVE ISSUES
2:00 PM	Change Your APC Organization for Improved Results Randy Conley TOTAL 747 AM-16-56	Sustaining the Downstream Advantage Enrique Guinand 774 A.T. Kearney AM-16-61	From Excess to Exports: North American Liquids Supply & Disposition Greg Haas 854 Stratas Advisors AM-16-66	More Water Restrictions Meet More Options Larry Close Burns & McDonnell 910 AM-16-71	Challenges of the California Environmental Quality Act (CEQA) Thomas Hogan Turner, Mason & Co. AM-16-76 N/A
2:30 PM	Taking Advantage of Turnarounds - From "Fix It" To "Improve It" Eugenio Aviles Pemex Refineries AM-16-57 N/A	How Much Profit is Your Planning System Missing? William Poe Schneider Electric Software AM-16-62 786	The Balance Between Global Crude Production and Refining Demand John Mayes 872 Turner, Mason & Company AM-16-67	Squeezing the Most from Your Refinery's Cooling Water Eberhard Lucke CH2M Hill AM-16-72 919	The Impact of Ozone Nonattainment Designations on Permitting and Capital Projects David Friedman AFPM AM-16-75 N/A
3:00 PM	The Industrial Internet of Things and the Future of Automation Systems Rohan McAdam Honeywell Process Solutions AM-16-58 755	Bringing Light to Dark Data: How Connected Data Improve Refinery Operations Jeffrey Zurlo GE Water & Process Technologies AM-16-63 798	Light Oil in Heavy Times: the Growing North American Quality Mismatch Blake Eskew IHS Inc. AM-16-68 878	When Processing Opportunity Crude Oils, Don't Forget the Wastewater Mikel Goldblatt Solenis AM-16-73 936	How EPA's Recent RFS Changes for 2014, 2015, and 2016 will Impact the Various RFS Program Participants Michael Leister 975 Stillwater Associates LLC AM-16-77
3:30 PM	How Prescriptive Maintenance Reduces Operational Risk, Ends Breakdowns, and Increases Net Process Output and Profitability Mike Brooks Mtell AM-16-59 N/A	Application Of Operational Excellence Principles To Achieve Maximum Hydrocracker Utilization Robert Ohmes 813 KBC Advanced Technologies AM-16-64	A Unique Approach to Process Optimization Using Crude Characterization and Operational Targets Marcelo Carugo Emerson AM-16-69 N/A	Membrane Bioreactor Technology in Refinery Applications Brian Arntsen GE Water & Process Technologies AM-16-79 952	Issues Update and Summary <ul style="list-style-type: none"> • Regulatory • Legislative • Litigation AFPM Staff AM-16-78 N/A
4:00 PM	Look Out Ahead: Beware the ICS Cybersecurity Iceberg David Zahn PAS, Inc. 766 AM-16-60	Screening of Options for LPG Recovery from Refinery Fuel Gas Streams Kenneth McIntush 837 Trimeric Corporation AM-16-65	Crude Oil H ₂ S Scavengers on Refinery Operations Jamie McDaniels Athlon Solutions 894 AM-16-70	Selenium Removal of Refinery Wastewater Using Immobilized Cell Bioreactor Lori Donovan 965 UOP, A Honeywell Company AM-16-74	