



### Oct 15 - 17, 2024 Hyatt Regency New Orleans, LA

The ONLY conference for the petroleum refining and petrochemical industries focused on improving plant-wide performance

summit.afpm.org



#AFPMSummit

# **Table of Contents**

2 Program
18 Maps/Floor Plans
20 Committee Meetings
21 Sponsors
22 HUB Directory
23 HUB Session
24 Exhibitor List

### We have an App!

complete session and speaker details, build your schedule, contact other attendees, and submit evaluations. Just scan the QR code to download the AFPM app.

Take a look at our app for

## Live Podcasts!

Hydrocarbon Processing will be recording live in their podcast studio in the HUB. Stop by for a schedule.

### Complimentary Summit Wifi

Wifi Network: AFPM Summit Password: SUMMIT24!

# Highlights

## Monday, October 14

2:00 PM, Celestin D Emerging Leader (EL) Workshop Invite Only - EL Program Participants

4:00 PM, Celestin Foyer Emerging Leader Networking Event Invite only - EL Program Participants

### 5:00 PM, Club XLIV

 Welcome Reception

 Join the industry's finest at the Welcome Reception.

 Sponsored by Crystaphase



## Tuesday, October 15

8:00 AM, Empire BR General Session

#### **Opening Keynote**



Peter Zeihan American Geopolitical Analyst

### **Promoting Consumer Fuel and Vehicle Choice**



John Eichberger Executive Director, Transportation Energy Institute



**Geoff Moody** Senior Vice President, Government Relations & Policy, AFPM

### 10:45 AM, Celestin D

**Reliability & Maintenance Bootcamp** 10:45 AM - 4:45 PM, Interactive session for maintenance and reliability engineers.

### 12:30 - 2:00 PM, the HUB

Lunch in the HUB Enjoy lunch, visit our vendor partners, and attend their educational sessions in the HUB meeting rooms.

See the HUB directory on page 22.

#### **AFPM Lounge**

Learn more about AFPM initiatives. Join us for our mini-session series during your breaks.

12:30 PM Who is AFPM? Join us!

- 2:45 PM Get involved! Committee Structure & Participation
- 3:45 PM Immersive Learning Projects Demonstration
- 4:45 PM Engage with EMPOWER

## Wednesday, October 16

### 8:00 AM, Celestin Ballrooms

Content - Content - Content! Spend your day learning at 40+ sessions on all things technical!

### **AFPM Lounge**

8:45 AM Walk the Line Overview
9:45 AM FCC Process Safety Regional Workshops
10:45 AM Emerging Leader Program Overview
11:45 AM Q&A Transcript Database Demonstration
2:00 PM Safety Portal Demonstration
3:00 PM Engage with Women In Industry

### 4:15 PM, Celestin E

Women In Industry Hosted Session Our Industry Got Talent - Get Connected!



Latoya Britt Director, Member Services and Sponsorships, AFPM

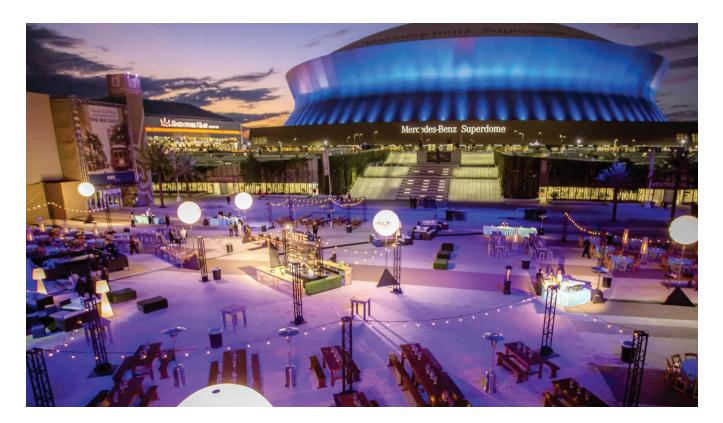
### 5:15 PM, Celestin Foyer

Women In Industry All Welcome Brought to you by the Women In Industry Committee Sponsored by Ketjen Corporation

4:45 PM Happy Hour in the HUB

## Monday, October 14

7:00 AM	<b>27th Annual Heroes Charity Golf Tournament and Clay Shoot</b> TPC Louisiana, 11001 Lapalco Blvd, Avondale, LA 70094
12:00 - 7:00 PM	Registration Strand Foyer
2:00 - 4:00 PM	Emerging Leader Workshop: Leadership Q&A Celestin D (Invite only - EL Program Participants) Facilitators: Spencer Blindauer, Axens North America Kyle Cassidy, Marathon Petroleum Corporation Daniel McGraw, Marathon Petroleum Corporation Panelists: Geoff Glasrud, VP & Manufacturing Manager, Flint Hills Resources LLC Valerie Pompa, Executive Vice President, Operations, HF Sinclair Corporation Andres Rodriguez, Operations Manager, Phillips 66
4:00 - 5:00 PM	Emerging Leader Networking Event Celestin Foyer (Invite only - EL Program Participants)
5:00 - 7:00 PM	Welcome Reception Club XLIV, Superdome Champions Square Sponsored by Crystaphase



## Tuesday, October 15

7:00 AM - 5:00 PM	Registration Strand Foyer	
7:00 - 8:00 AM	Breakfast in the HUB	
8:00 - 8:30 AM	Welcome           Empire Ballroom           Chet Thompson, President and CEO, AFPM	
8:30 - 9:30 AM	Opening Keynote         Empire Ballroom         Peter Zeihan, American Geopolitical Analyst	
9:30 - 10:30 AM	Promoting Consumer Fuel and Vehicle Choice         Empire Ballroom         John Eichberger,         Executive Director,         Transportation         Energy Institute         Geoff Moody,         Senior Vice         President,         Government         Relations &         Policy, AFPM	
10:30 - 10:45 AM	<b>Coffee Break</b> Empire Foyer and the HUB	

## Tuesday, October 15 cont.

	Sponsored Content	Lessons Learned
10:45 - 11:30 AM	Energy Efficiency and Decarbonization through Advanced Technology Equipment: Electric Heaters and Spiral-Tube Heat Exchangers Empire Ballroom Speakers: Mike Mitzner, Axens North America Sindy Stone, Heurtey Petrochem Solutions	CSB BP-Husky Oregon, OH, Investigation Celestin E Facilitator: Willis Jernigan, AFPM Speaker: Bill Steiner, U.S. Chemical Safety Board
11:30 - 11:45 AM	<b>Coffee Break</b> Empire Foyer and the HUB	
	Sponsored Content	Lessons Learned
11:45 AM - 12:30 PM	Replacing the Clipboard: Making Digital a Reality Empire Ballroom Speaker: Bailey Allen, Refined Technologies, Inc.	Human Performance Success in Incident         Investigations         Celestin E         Facilitator:         Wren Mills, Valero Energy Corporation         Speaker:         Ryan Grothe, Chevron Phillips Chemical LP
12:30 – 2:00 PM	Lunch in the HUB AFPM Lounge: Who is AFPM? Join us!	
	Sponsored Content	Lessons Learned / FCC / HF Alky
2:00 - 2:45 PM	Evolving Frontline Operations for a Safer, Smarter Workforce Celestin GH Speaker: Jonathan Guidry, Turner Industries Group, LLC	Processing ASO Safety and Impacts:Phillips 66 Billings IncidentCelestin EFacilitator:Ed Rios, Par PacificSpeakers:Howard Butler, Phillips 66Liana Siegel, Marathon Petroleum Corporation
HUB Sessions	Strand 11B	Bolden 1
	Johnson Matthey: Best Practices for SOx Emissions Control with New Technology	Ketjen: ReNewFine <sup>™</sup> for the Production of SAF via the HEFA-route
2:45 - 3:00 PM	Break in the HUB AFPM Lounge: Get involved! Committee Structur	re & Participation

Artificial Intelligence	Reliability & Maintenance Bootcamp
Al 101 in Refining and Petrochemicals Celestin BC	What Every New Reliability and Maintenance Engineer Should Know Celestin D
Facilitator:	
Rajan Rathinasabapathy, Phillips 66	<b>Speakers:</b> Bill Clark, Phillips 66
Speaker:	Dean Roberts, Ergon, Inc
Brent Railey, Chevron Phillips Chemical Company	
LP	This series is designed for new engineers in reliability and maintenance who seek practical technical skills, hands-on experience, and exposure to real-world scenarios.

Artificial Intelligence	Reliability & Maintenance Bootcamp
Al 102: The Role of Generative Al and Reinforcement Learning in Refinery and Chemical Plant Operations	Hands on Technology Demonstrations and Discussions: Exploring Maintenance Scenarios in a Simulated Environment and How Wireless
Celestin BC	Technology Influences Equipment Monitoring Celestin D
Facilitator:	
Adi Punuru, ExxonMobil Technology and	Facilitator:
Engineering Company	Bill Clark, Phillips 66
Speaker:	Speakers:
Brent Railey, Chevron Phillips Chemical Company LP	Carlos Acosta, Phillips 66

Leadership	Reliability & Maintenance Bootcamp
Human Centric Leadership: If There Is No Struggle There Is No Progress - Learning to Thrive in Times of Adversity Celestin BCSpeakers: Rhasheda Douglas, Principal of Excel in Equity, LLC Lloyd Freeman, Principal and Owner of Veritas Diversity Solutions, LLCSponsored by Solenis	PSM: Going Beyond Compliance and Why It Matters Celestin D Facilitator: Bill Clark, Phillips 66 Speaker: Larry Webb, Flint Hills Resources, LLC
Strand 1	
Linde: Overcoming Furnace Decoking Anxiety	



## Tuesday, October 15 cont.

	Sponsored Content	Lessons Learned
3:00 - 3:45 PM	PARAGON™: A Better Vanadium Trap for         Improved Profitability         Celestin GH         Speaker:         Gary Cheng, W. R. Grace & Co.	Compounding Failures Leading to Tier 1 Tank Overfill Celestin E Speaker: Justin Edson, HF Sinclair Corporation
HUB Sessions	Strand 11A	Bolden 4
	Lummus Technology: Chevron Renewable Energy Group (CREG): Improved Performance with New Catalyst Technology	Solenis: Copper Corrosion Inhibitor Enhancer
3:45 - 4:00 PM	Break in the HUB AFPM Lounge: Immersive Learning Projects Demonstration	
	Sponsored Content	Lessons Learned
4:00 - 4:45 PM	Completing the Crude Overhead Corrosion Risk Picture: New Advancements Celestin GH Speaker: Joel Lack, Baker Hughes	Near Miss with Aerial Work Platform and 138kV Powerline Celestin E Speakers: Val Corcoran, BrandSafway Leonard Degreenia, BrandSafway Scott Willis, Phillips 66
HUB Sessions	Foster 1	
	BASF: FCC 101: Feed Quality and Effects on Operation	
4:45 - 6:15 PM	Happy Hour in the HUB AFPM Lounge: Engage with EMPOWER	
6:15 - 7:00 PM	Happy Hour: Pre-Bourbon St. Bourbon AFPM Lounge Sponsored by HASC	

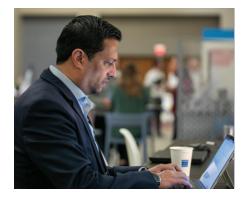
Leadership		Reliability & M	aintenance Bootcamp
Improving Human Reliability in the Execution of Tasks with Critical Steps Celestin BC		Seeing the Unseen with Motion Amplification Technology Celestin D	
Facilitator: Wren Mills, Valero Energy Corporation		Facilitator: Jaxson O'Brien, CHS Inc.	
<b>Speaker:</b> Ben Manns, ExxonMobil Product Company	Solutions	<b>Speakers:</b> Paul Barna, RDI Vlad Derkach, Fi	Technologies lint Hills Resources, LLC
Foster 2 Strand 2			Bolden 5
Technip Energies: Advance Unicat Catalyst Technolo FCC Features to Improve SMR - 101 Part 1		U	Veolia Water Technologies & Solutions: Water Reuse -

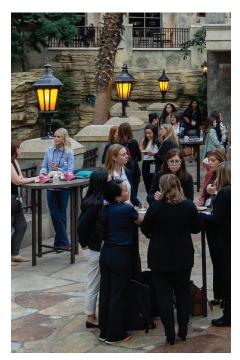
Unit Performance and

Reliability

Achieving Water Intensity Goals

Training / FCC	Deliakility 5. Maintonanao Dootsama
Training / FCC	Reliability & Maintenance Bootcamp
Immersive Learning Simulator Interactive	OPCO Panel Discussion: How Healthy Is Your
FCC Workshop	MI Program?
Celestin BC	Celestin D
Facilitator:	Facilitators:
Michael Allegro, BASF Corporation	Bill Clark, Phillips 66
	Jimmy Jernigan, LyondellBasell Industries
Speakers:	5
Rodney Reeves, CHS, Inc.	Speakers:
Nick Turner, Honeywell UOP	Brian Batts, Phillips 66
, ,	Keneth Marden, Valero Energy Corporation
	David Nixon, LyondellBasell Industries







## Wednesday, October 16

7:00 AM - 5:00 PM	<b>Registration</b> Strand Foyer		
7:00 - 8:00 AM	Breakfast in the HUB		
	Sustainability	Maintenance	Hydroprocessing
8:00 - 8:45 AM	Renewables Q&A - Part 1 Celestin E Facilitator: Eric Legare, Chevron U.S.A. Inc. Panel: William Bandy, Marathon Petroleum Corporation Delbert Grotewold, Veolia Water Technologies & Solutions Nathan Jannasch, Chevron U.S.A. Inc. Matthew Kawabe, Topsoe, Inc. Kamyar Keyvanloo, Phillips 66	Contractor Panel: Attracting and Keeping Young Engineers in Hard Crafts - Part 1 Celestin GH Facilitator: Andy Woods, Chevron Phillips Chemical Company LP Speakers: Jim Griffin, San Jacinto College Brian Novicki, Valero Energy Corporation Ferril Onyett, BrandSafway	Hydroprocessing 101: Catalyst Poisoning         Celestin D         Facilitator:         Sergio Robledo, Unicat Catalyst         Technologies         Speakers:         Adrian Azpilicueta, Nalco Water         Steve Mayo, Eurecat U.S. Incorporated         Montri Vichailak, Marathon Petroleum         Corporation
	Sponsored by Topsoe		
HUB Sessions	Bolden 1		
	Ketjen: Building a Sustainable Tomorrow: Ketjen's ZSM-5 Investment Energizes the Refining Industry		
	Ketjen: Building a Sustainable Tomorrow	: Ketjen's ZSM-5 Investment Energizes the l	Refining Industry
8:45 - 9:00 AM	Ketjen: Building a Sustainable Tomorrow Break in the HUB AFPM Lounge: Walk the Line Overview	: Ketjen's ZSM-5 Investment Energizes the	Refining Industry
8:45 - 9:00 AM	Break in the HUB AFPM Lounge: Walk the Line Overview Sustainability	: Ketjen's ZSM-5 Investment Energizes the I Maintenance	Refining Industry Hydroprocessing
9:00 - 9:45 AM	Break in the HUB AFPM Lounge: Walk the Line Overview Sustainability		
	Break in the HUB         AFPM Lounge: Walk the Line Overview         Sustainability         Renewables Q&A - Part 2         Celestin E         Facilitator:         Eric Legare, Chevron U.S.A. Inc.         Panel:         William Bandy, Marathon Petroleum         Corporation         Delbert Grotewold, Veolia Water         Technologies & Solutions         Nathan Jannasch, Chevron U.S.A. Inc.         Matthew Kawabe, Topsoe, Inc.	Maintenance         Contractor Panel: Attracting and         Keeping Young Engineers in Hard         Crafts - Part 2         Celestin GH         Facilitator:         Andy Woods, Chevron Phillips Chemical         Company LP         Speakers:         Jim Griffin, San Jacinto College         Brian Novicki, Valero Energy Corporation	Hydroprocessing         Hydrogen Town Hall         Celestin D         Facilitators:         Diane Dierking, Johnson Matthey         James Esteban, Unicat Catalyst         Technologies         Speakers:         Ashley Brossette, Valero Energy Corporation         Ken Chlapik, Johnson Matthey         Kathy Picioccio, Unicat Catalyst
9:00 - 9:45 AM	Break in the HUB AFPM Lounge: Walk the Line Overview Sustainability Renewables Q&A - Part 2 Celestin E Facilitator: Eric Legare, Chevron U.S.A. Inc. Panel: William Bandy, Marathon Petroleum Corporation Delbert Grotewold, Veolia Water Technologies & Solutions Nathan Jannasch, Chevron U.S.A. Inc. Matthew Kawabe, Topsoe, Inc. Kamyar Keyvanloo, Phillips 66	Maintenance         Contractor Panel: Attracting and         Keeping Young Engineers in Hard         Crafts - Part 2         Celestin GH         Facilitator:         Andy Woods, Chevron Phillips Chemical         Company LP         Speakers:         Jim Griffin, San Jacinto College         Brian Novicki, Valero Energy Corporation         Ferril Onyett, BrandSafway	Hydroprocessing         Hydrogen Town Hall         Celestin D         Facilitators:         Diane Dierking, Johnson Matthey         James Esteban, Unicat Catalyst         Technologies         Speakers:         Ashley Brossette, Valero Energy Corporation         Ken Chlapik, Johnson Matthey         Kathy Picioccio, Unicat Catalyst

HF Alkylation	Crude / Coking	Optimization / FCC
HF Alkylation: Incident Sharing and Lessons Learned Celestin BC Speakers: Gary Kemeny, PBF Energy Inc. Liana Siegel, Marathon Petroleum Company	Crude / Coking: Q&A - Part 1 Celestin F Facilitators: Sam Lordo, Becht Jacob Young, Petroval S.A.	FCC Optimization 101: The Path from Process Knowledge to Real Time Optimization Via Basic Process Control and Advanced Process Controls Celestin A Facilitator:
Liana Siegel, Maratnon Petroleum Company	Panel: Sylvain Fontaine, Veolia Water Technologies & Solutions Bob Graham, HF Sinclair Corporation Beverly Long, Marathon Petroleum Corporation Royce Roemisch, Delek US	Atique Malik, AlControl LLC Speakers: Darin Foote, CHS Inc. Chuck Johnston, Marathon Petroleum Corporation Vidyashankar Kuppuraj, Marathon Petroleum Corporation Johnny Serafin, Phillips 66 Nic Tognetti, CHS Inc.

HF Alkylation	Crude / Coking	Artificial Intelligence
Mechanical Integrity: Dead-Legs in	Crude / Coking: Q&A - Part 2	Driving Down Coker Giveaway with AI-Based
HF Alkylation Units	Celestin F	Process Control
Celestin BC		Celestin A
<b>-</b>	Facilitators:	
Facilitator:	Sam Lordo, Becht	Facilitator:
Liana Siegel, Marathon Petroleum Corporation	Jacob Young, Petroval S.A.	Atique Malik, AlControl LLC
Speaker:	Panel:	Speaker:
Monica Plowman, Ethos Mechanical Integrity Solutions, Inc.	Sylvain Fontaine, Veolia Water Technologies & Solutions Bob Graham, HF Sinclair Corporation Beverly Long, Marathon Petroleum Corporation Royce Roemisch, Delek US	Chris Harrison, Marathon Petroleum Corporation
	Royce Roemisch, Delek US	

## Wednesday, October 16 cont.

	Sustainability / FCC	Maintenance	Hydroprocessing
10:00 - 10:45 AM	Vegetable Oil Processing in an FCCU and U.S. HEFA Co-Processing Celestin E Facilitators: Cliff Avery, Ketjen Corpotation CJ Farley, TPM Solutions Speakers: Eamon Cullinane, Turner, Mason & Company Andrea de Rezende Pinho, Petróleo Brasileiro S/A - PETROBRAS	Transformation Through Tribulation: The Motiva Port Arthur Refinery's Material Management Journey Celestin GH Facilitator: Gerard Celestine, Motiva Enterprises, LLC Speakers: Tieraney Celestine, Motiva Enterprises, LLC Andrew Martindale, Motiva Enterprises, LLC David Midkiff, Motiva Enterprises, LLC	Hydrocracker Profitability:         Boosting Hydrocracking Performance         with Celestia™ Catalyst and High         Throughput Testing for CITGO's         Unicracker         Celestin D         Facilitator:         Oscar Brown, Valero Energy Corporation         Speakers:         Christy Anderson, Ketjen Corporation         Carmen Angelini, CITGO Petroleum         Corporation         Mitchell Loescher, Exxon Mobil Corporation         Ben Miller, CITGO Petroleum Corporation         Ioan-Teodor Trotus, hte GmbH
HUB Sessions	Strand 1		
	Linde: Uncovering Hidden Dangers: Tracer Gas Leak Detection for Spotting and Locating Small Leaks		
10:45 - 11:00 AM	<b>Break in the HUB</b> AFPM Lounge: Emerging Leaders Networki	ing	
	Sustainability / Gasoline Processes	Mechanical Integrity	Walk the Line
11:00 - 11:45 AM	Liquid Organic Hydrogen Carriers: Naphtha's Role in the Emerging H2 Economy Celestin E Facilitator: Matt Goodman, Marathon Petroleum Corporation Speakers: Valentina Di Mauro, Honeywell UOP Juan Pereira de la Riera, Axens North America	Inspection and Reliability of Wash Water Systems Celestin GH Facilitator: Lance Cox, Nalco Water Speakers: Dean Roberts, Ergon Refining, Inc. Raúl Romero, Nalco Water	Shielding Trust: The Power of Vigilance and Verification Celestin D Speakers: Audra Higgins, Phillips 66 Kacey Lopez, Phillips 66 Russell Thompson, Phillips 66
HUB Sessions	Bolden 3		
	Elessent Clean Technologies: Spent Sulfur	ic Acid Stability Taskforce	
11:45 AM - 1:15 PM	<b>Lunch in the HUB</b> AFPM Lounge: Q&A Transcript Database E	Demonstration	

HF Alkylation	Crude / Coking	Artificial Intelligence / Advanced Process Controls
Quantitative Risk Assessment (QRA) 101 Celestin BC	Digital Service for Crude Blending and Desalter Operation Using Field-Deployed Handheld NIR Spectrometer	Implementing a Refinery Diesel Pool Optimizer Using Neural Networks and Reinforcement Learning
Facilitator: Liana Siegel, Marathon Petroleum Company	Celestin F	Celestin A
<b>Speaker:</b> Jatin Shah, BakerRisk	Facilitator: Sam Lordo, Becht	Facilitator: Atique Malik, AlControl LLC
	Speaker: Graylon Williams, Nalco Water	Speaker: Yangdong Pan, Delek US

ng Complex
proration

Johnson Matthey: Harness the Power of CO Promoters

## Wednesday, October 16 cont.

	Sustainability	Lessons Learned / Mechanical Integrity	Training	
1:15 - 2:00 PM	Next Generation SAF Technology Celestin E Facilitator: Brian Boeger, Axens North America Speakers: Dr. Calvin Mukarakate, National Renewable Energy Laboratory (NREL) Juan Sacoto, S&P Global	Lessons Learned From a Blast Pot Incident Celestin GH Facilitator: Gerard Celestine, Motiva Enterprises, LLC Speakers: Carlos Diaz, Motiva Enterprises, LLC Sterling Gregg, Motiva Enterprises, LLC	Immersive VR and eLearning: Interactive Training for the Future Workforce Celestin D Speakers: Vickie Bradford, Marathon Petroleum Corporation Timothy Chappell, Exxon Mobil Corporation Dr. Richard Hannah, Health and Safety Council Jay Turner, Flint Hills Resources, LLC Tyler Veenstra, Marathon Petroleum Corporation	
HUB Sessions	Bolden 4			
	Solenis: HexEval - Heat Exchanger Performance Monitoring			
2:00 - 2:15 PM	Break in the HUB AFPM Lounge: Safety Portal Demonstration			
	Sustainability / Gasoline Processes	Emerging Leaders	Crude / Coking	
2:15 - 3:00 PM	Solar Projects for Refining - FHR/ CITGO/MPC Celestin E Facilitator: Karen Green, Marathon Petroleum Corporation Speakers: Omar Ahmed, DEPCOM POWER Stan Carp, CITGO Petroleum Corporation Jake Reint, Flint Hills Resources, LLC	Skills to Elevate Your Career Part 1-         Maximize Your Impact in your Current         Role         Celestin GH         Facilitators:         Liz Manning, Cheniere Energy         Daniel McGraw, Marathon Petroleum         Corporation         Speakers:         Breanna Busker, Refined Technologies/ReNu         Technologies         Alisha Deshpande, Chevron U.S.A. Inc.         Matt Holub, LyondellBasell Industries	Crude / Coking Townhall: Isolation of Hot Oil Circuits: Crude Feed Contaminants: Managing Pyrophorics Celestin D Facilitators: Chris McDowell, Becht Steve Williams, Marathon Petroleum Corporation Speakers: Hector Gamboa-Arizpe, CITGO Petroleum Corporation Raul Romero, Nalco Water, An Ecolab Company Steve Williams, Marathon Petroleum Corporation	
HUB Sessions	Foster 1			
	BASF: Co-Processing Renewable Fuels in F	FCCs: Navigating Opportunities and Challen	ges	
3:00 - 3:15 PM	Break in the HUB AFPM Lounge: Engage with Women in Industry			

Gasoline Processes	FCC	Optimization / Abnormal Situation Management
Process Monitoring for Gasoline Processes Celestin BC Facilitator:	FCC Profitability: Maximizing Butylene Yields Through Catalyst Design and Evaluating Complex Operational Changes via Modeling and Testing	<b>Operation Performance Improvements During</b> <b>a Control Room Modernization</b> Celestin A
Thomas Porritt, Chevron U.S.A. Inc.	Celestin F	Facilitator: Tim Olsen, Emerson Automation Solutions
<b>Speakers:</b> Thomas Porritt, Chevron U.S.A. Inc. Russ Wiltse, Valero Energy Corporation Wayne Woodard, Valero Energy Corporation	Facilitator: Stephen Jewell, KBR Speakers: Samantha Boyle, Marathon Petroleum Company Nik Larsen, Marathon Petroleum Corporation Patrick McSorley, Ketjen Corporation Grant Severyn, BASF Corporation	<b>Speakers:</b> Jerry Isch, Marathon Petroleum Corporation David Lee, User Centered Design Services Inc. Christi Mezzic, Emerson Automation Solutions Johnny Serafin, Phillips 66
Bolden 5		

Veolia Water Technologies & Solutions: Crude Unit Overhead Reliability Improvement

Gasoline Processes	FCC Reliability	Mechanical Integrity	
Reforming and Isom Safety and Reliability Q&A Celestin BC	<b>Proactively Managing FCC Reliability and</b> <b>Performance: Two Refinery Case Studies</b> Celestin F	<b>Benefits and Tips for Digitalization of Safety</b> <b>Instrumented Systems (SIS) Tier 3 Metrics</b> Celestin A	
Facilitator: Alex Sabitov, Phillips 66 Panel: Rhett Finch, Marathon Petroleum Corporation Matt Hutchinson, Axens North America Heidi Fraser, Honeywell UOP Thomas Porritt, Chevron U.S.A. Inc. Alex Sabitov, Phillips 66 Russ Wiltse, Valero Energy Corporation	Facilitators: Todd Hochheiser, Johnson Matthe Bill Wilson, TPM Solutions Speakers: Matt Berens, ECI Peter Blaser, CPFD LLC Tiffany Clark, Marathon Petroleum Corporation CJ Farley, TPM Solutions Robert Mongomery, Chevron U.S.A. Inc.	Facilitators: Bill Clark, Phillips 66 Mike Tremblay, Chevron Phillips Chemical Company LP Speaker: Nagappan Muthiah, Phillips 66	
Strand 11A			
Lummus Technology: Taking Flight: Innovative SAF Pathways			

## Wednesday, October 16 cont.

	Sustainability	Emerging Leaders	Hydroprocessing
3:15 - 4:00 PM	Understanding the Challenges in Renewable Fuels Pretreatment Water and Wastewater Management Celestin E Facilitator: Dan Harbs, Veolia Water Technologies & Solutions Speakers: Benoit Guerin, Veolia North America Jamal Y. Shamas, Marathon Petroleum Corporation	Skills to Elevate Your Career Part 2 - Career Decision-Making Celestin GHFacilitators: Liz Manning, Cheniere Energy Daniel McGraw, Marathon Petroleum CorporationSpeakers: Breanna Busker, Refined Technologies/ ReNu TechnologiesAlisha Deshpande, Chevron U.S.A. Inc. Matt Holub, LyondellBasell Industries	PHA Reference Scenarios for Hydroprocessing Celestin D Facilitators: Paul Zimmerman, Honeywell UOP Joe Slaughter, Chevron U.S.A. Inc. Speakers: Joe Slaughter, Chevron U.S.A. Inc. Doug Weerts, Honeywell UOP
4:00 - 4:15 PM	Break in the HUB		
	Women In Industry		
4:15 - 5:15 PM	Our Industry Got Talent - Get Connected! Celestin E Speaker: Latoya Britt, AFPM Sponsored by Ketjen Corporation		
5:15 - 6:00 PM	Women In Industry Reception and Musica All Welcome Celestin Foyer Sponsored by Ketjen Corporation	al Guest	



Gasoline Processes	FCC	Mechanical Integrity
<b>Consideration for Gasoline Production and</b>	FCC Reactor Isolation Valve Panel: How to	Fired Heaters: Designing Operability and
<b>Molecular Management / Light Naphtha</b>	Justify, Utilize, and Avoid Potential Headaches	Reliability, Along with COOL Technology
Celestin BC	Celestin F	Celestin A
Facilitator:	Facilitator:	<b>Facilitator:</b>
Russell Wiltse, Valero Energy Corporation	Mike Federspiel, Valero Energy Corporation	Dean Roberts, Ergon Refining, Inc.
<b>Speakers:</b> James Kleiss, Becht Chris Watson, Chevron U.S.A. Inc.	<b>Speakers:</b> Bryan Dinkel, Marathon Petroleum Corporation Afton Ferry, Phillips 66 Ziad Jawad, Phillips 66 Rob Montgomery, Chevron U.S.A. Inc.	<b>Speaker:</b> Andrew Craig, Great Southern Technologies



## Thursday, October 17

8:00 AM - 12:00 PM	Registration Strand Foyer		
8:00 - 9:00 AM	Breakfast in the HUB		
	Coking	Gasoline Processes	Hydroprocessing
9:00 - 9:45 AM	Optimize Throughput by Eliminating Atmospheric Foulants on Air-Cooled Heat Exchangers Celestin GH Facilitator: Katie Marshall, Refined Technologies, Inc. Speakers: Shannon McAvoy, Refined Technologies, Inc./ ReNu Technologies William Radenberg, HF Sinclair Corporation	Naphtha Hydrotreating Pressure Drop, Silicon Control and Record Run Case Studies Celestin FFacilitator: Wayne Woodard, Valero Energy CorporationSpeakers: Sidra Roman, Axens North America Wayne Woodard, Valero Energy Corporation	Hydroprocessing Considerations for Extending Turnaround Intervals Celestin E Facilitator: Matt Correnti, Chevron U.S.A. Inc. Speakers: Matt Correnti, Chevron U.S.A. Inc. Matt Jones, Chevron U.S.A. Inc. Jordan Palka, Chevron U.S.A. Inc.
9:45 - 10:00 AM	Break in the HUB		
	Coking	Gasoline Processes	Hydroprocessing
10:00 - 10:45 AM	Heater Health for Maximum Efficiency and Throughput Celestin GH Facilitator: Sam Lordo, Becht Speakers: Belal Hassoun, Becht Frank Liu, Becht	Expert Panel Discussion on Considerations for Heater Optimization and Future - Part 1 Celestin F Facilitator: Matt Hutchinson, Axens North America Moderator: Joong Yang, Chevron U.S.A. Inc. Panel: Amit Gupta, Heurtey Bill McLaughlin, ExxonMobil Product Solutions Company Ethan Spielvogel, Marathon Petroleum Corp. Randy Stier, Valero Energy Corporation Vivek Sundaram, LyondellBasell	Hydroprocessing: Q&A - Part 1 Celestin E Facilitators: Christy Anderson, Ketjen Corporation Montri Vichailak, Marathon Petroleum Corporation Panel: Andy Chen, PBF Energy Inc. Jake Coleman, Chevron U.S.A. Inc. Travis Kirk, Topsoe, Inc. Scott McArthur, Phillips 66
10:45 - 11:00 AM	Break in the HUB		
	Crude	Gasoline Processes	Hydroprocessing
11:00 AM - 12:00 PM	Crude Desalting Innovations with Regards to Effluent Brine Quality Celestin GH Facilitator: Sylvain Fontaine, Veolia Water Technologies & Solutions Speakers: Javier Gonzalez, Veolia Water Technologies & Solutions Scott Lienemann, CHS Inc.	Expert Panel Discussion on Considerations for Heater Optimization and Future - Part 2 Celestin F Facilitator: Matt Hutchinson, Axens North America Moderator: Joong Yang, Chevron U.S.A. Inc. Panel: Amit Gupta, Heurtey Bill McLaughlin, ExxonMobil Product Solutions Company Ethan Spielvogel, Marathon Petroleum Corp. Randy Stier, Valero Energy Corporation Vivek Sundaram, LyondellBasell	Hydroprocessing: Q&A - Part 2 Celestin E Facilitators: Christy Anderson, Ketjen Corporation Montri Vichailak, Marathon Petroleum Corporation Panel: Andy Chen, PBF Energy Inc. Jake Coleman, Chevron U.S.A. Inc. Travis Kirk, Topsoe, Inc. Scott McArthur, Phillips 66

FCC	Digital Transformation	Turnaround Scoping
FCC Safety Game Show Celestin D	<b>Digital Transformation of Crude Supply,</b> <b>Planning, and Scheduling</b> Celestin A	OPCO Panel: Good Ways to Get a Quality Turnaround Worklist Celestin BC
Facilitator: Joe Famolaro, ExxonMobil Research and Engineering Company	<b>Facilitator:</b> Bruce Taylor, FurtherTec	<b>Facilitator:</b> Andrew Jakubowski, Flint Hills Resources, LLC
<b>Speakers:</b> Clint Cooper, W. R. Grace & Co. Richard Grove, Chevron U.S.A. Inc. Chuck Novak, Ketjen Corporation	<b>Speaker:</b> Moiz Sultan, Parkland Refining (B.C.) Ltd.	Panel: Mike Dehart, Valero Energy Corporation Eric Lindholm, Flint Hills Resources, LLC Casey Long, Flint Hills Resources, LLC Jimmy Mendler, Chevron Phillips Chemical Company LP

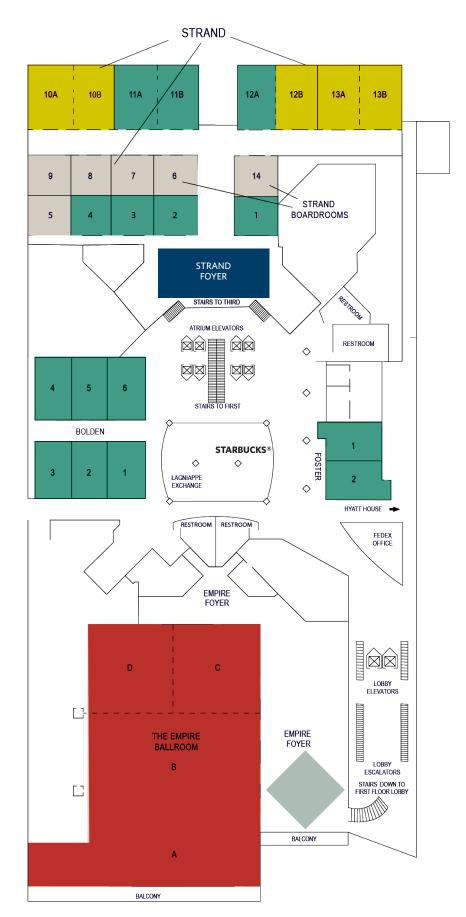
FCC	Digital Transformation	Turnaround Scoping
FCC 101: Case Studies - Cold Weather and	<b>Connected Worker - Maximizing Worker</b>	Good Practices for Desirable Event Readiness:
Where did the Level Go?	<b>Awareness, Engagement and Contribution</b>	Core Team, Steering Team and Strategy Team
Celestin D	Celestin A	Celestin BC
Facilitator:	<b>Facilitator:</b>	Facilitator:
Tiffany Clark, Marathon Petroleum Corporation	Bruce Taylor, FurtherTec	Andrew Jakubowski, Flint Hills Resources, LLC
<b>Speakers:</b> Derek Froehle, Honeywell UOP David Hunt, W. R. Grace & Co.	Panel: Aishwariy Baheti, Bharat Petroleum Corporation Limited Leandro Martins, Petrobras Christian McDermott, Voovio Technologies Wade Smith, Emerson Automation Solutions	<b>Speaker:</b> Jimmy Mendler, Chevron Phillips Chemical Company LP

Artificial Intelligence / Safety	Turnaround Execution
Prerequisites for Data Collection and Use in Safety Applications Celestin A	A Small Refinery Doing Big Things: Monroe Energy's FCC Reactor Replacement Project, Fall 2023
	Celestin BC
Facilitator:	
Atique Malik, AlControl LLC	Facilitators: Andrew Jakubowski, Flint Hills Resources, LLC
Speakers: Brian McClure, Marathon Petroleum Corporation	Michael Menosky, Monroe Energy, LLC
	Speakers:
	Kevin Harkness, Monroe Energy, LLC
	Piotr Majcher, Monroe Energy, LLC
	Drake Wilson, Monroe Energy, LLC
	Prerequisites for Data Collection and Use in Safety Applications Celestin A Facilitator: Atique Malik, AlControl LLC

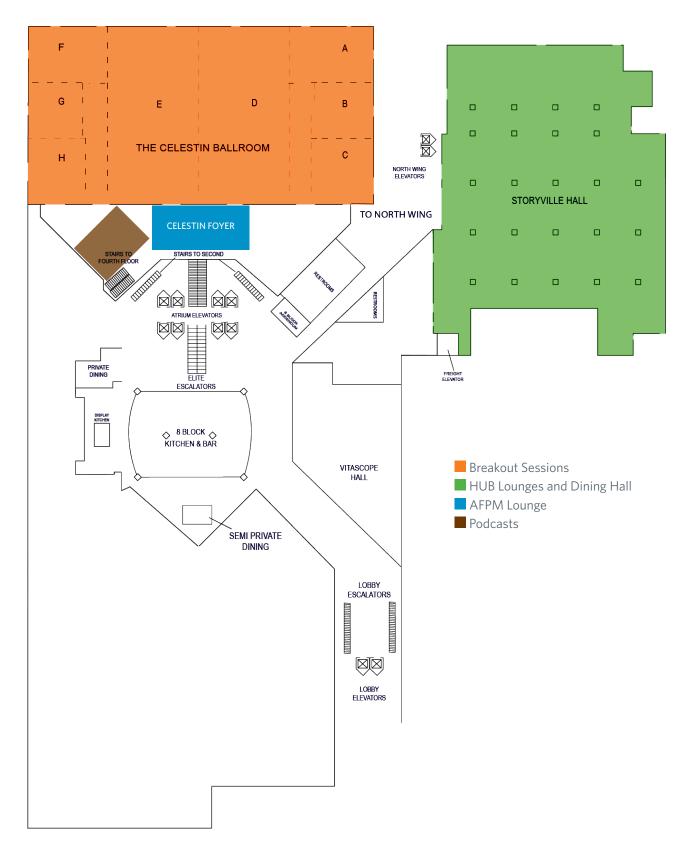
# Hyatt Regency Floor Plans

### Hyatt Level 2

Committee Meetings
 HUB Meeting Rooms
 Registration
 General Session
 Quiet Zone



### Hyatt Level 3



# **Committee Meetings**

Invite only - Committee Members

	Tuesday, October 15
12:30 - 4:00 PM	Manufacturing Committee Meeting Strand 13AB
1:00 – 5:00 PM	Safety & Health Committee Meeting Strand 10AB
	Wednesday, October 16
9:00 - 11:00 AM	Safety & Health and Contractors Meeting Strand 10AB
12:00 - 4:00 PM	Process Safety Advisory Group Meeting Strand 13AB
	Thursday, October 17
8:30 - 10:00 AM	WINI Committee Meeting Strand 10AB
9:00 AM - 4:00 PM	Immersive Learning Committee Meeting Strand 13A
9:00 AM - 12:00 PM	HF Alky Committee Meeting Strand 12B
12:00 - 2:00 PM	Summit Planning Leadership Strand 10AB
12:00 - 4:00 PM	OPCAT Committee Meeting Celestin A
12:00 - 4:00 PM	Reliability & Maintenance Committee Meeting Celestin B





# Thank you to our Sponsors!

**Diamond Level Sponsors** 





**Gold Level Sponsors** 

Baker Hughes ≽





**Silver Level Sponsors** 







🕘 Ketjen



**Conference Supporters** 



**Crystaphase** Welcome Reception



HASC Summit Planning Meeting Sponsor Happy Hour: Pre-Bourbon St. Bourbon



Ketjen Corporation Women In Industry





Glass Panel Cling Specialty Coffee

W. R. Grace & Co.

**Emcor** Floor Clings



### **Solenis** Session Sponsor: Human Centric Leadership Session



**Topsoe** Session Sponsor: Renewables Q&A - Pt. 1



**Trindent** Specialty Coffee

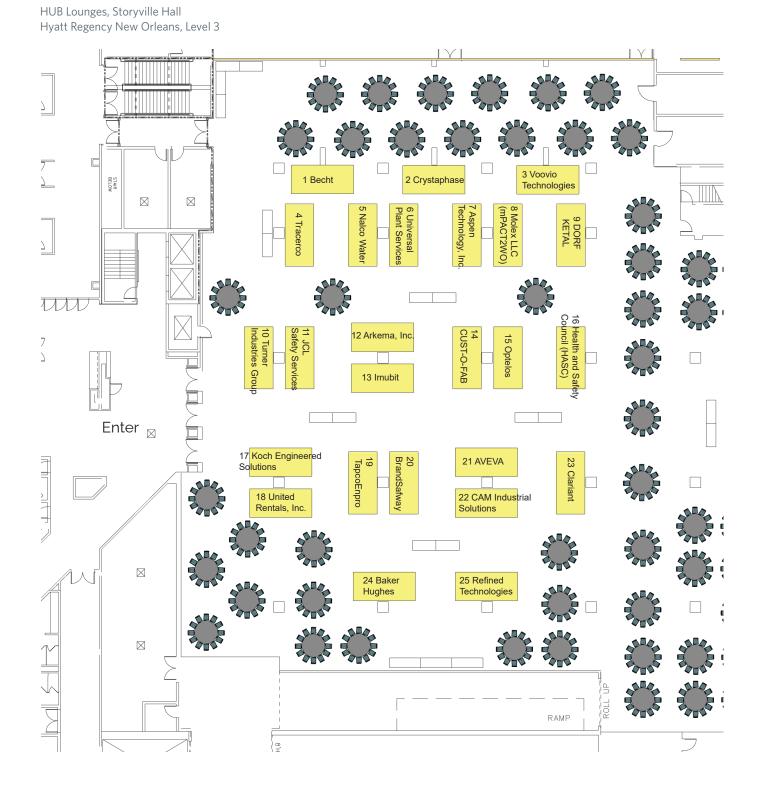
**Press Supporters** 

BIC Chemical Intelligence Chemical Week Hydrocarbon Engineering Hydrocarbon Processing PTQ

# **HUB Directory**

The HUB is our central gathering place located in Storyville Hall on Level 3. Here you will find HUB lounges, networking spaces, and food and beverages. See a full list of our innovative exhibitors on Page 24.

HUB Meeting Rooms, more networking space, and our Quiet Zone are located on Level 2, near Registration.



22 October 15-17, 2024 | summit.afpm.org

# **HUB Meeting Room Sessions**

Located on Level 3, HUB meeting rooms are for technical content, private meetings, and hospitality suites Please check the AFPM App for the complete schedule.

	Tuesday, October 15			Wednesday, October 16 <i>cont</i> .
2:00 - 2:45 PM	Johnson Matthey: Best Practices for SOx Emissions Control with New Technology Strand 11B	9:00 - 9:45 A		BASF: Solving the Resid Feedstock Contaminant Challenge with Advanced Vanadium Passivation & Enhanced Performance Catalyst Technology Foster 1
	Ketjen: ReNewFine <sup>™</sup> for the Production of SAF Via the HEFA-Route			Johnson Matthey: RVP Challenges and Solutions Strand 11B
	Bolden 1 Linde: Overcoming Furnace Decoking Anxiety Strand 1			Ketjen: Introducing Ketjen's New Catalysts for Hydrotreating Conventional and Renewable Feedstocks Bolden 1
	Technip Energies: Waste Plastic to Chemicals: Plas-TCat Process			Technip Energies: Catalytic Crude to Chemicals (CC2C) Foster 2
	Foster 2 Veolia Water Technologies & Solutions: Novel Approach to Brine Quality Improvement		10:00 - 10:45 AM	Johnson Matthey: Enhance FCC Flexibility with Catalyst Addition Systems and Digital Tools Strand 11B
3:00 - 3:45 PM	Bolden 5 Johnson Matthey: Apply Advanced Lab Capabilities to Maximize FCC Efficiency Strand 11B Ketjen: Refining the Future: Ketjen's DENALI Catalysts Drive Profitability and Sustainability in a Changing Energy Landscape Bolden 1			Linde: Uncovering Hidden Dangers: Tracer Gas Leak Detection for Spotting and Locating Small Leaks Strand 1
			11:00 - 11:45 AM	BASF: FCC Catalyst Iron Contamination Deep Dive Foster 1
				Elessent Clean Technologies: Spent Sulfuric Acid Stability Taskforce Bolden 3
	Lummus Technology: Chevron Renewable Energy Group (CREG): Improved Performance with New Catalyst Technology Strand 11A Solenis: Copper Corrosion Inhibitor Enhancer Bolden 4 Technip Energies: Advance FCC Features to Improve Unit Performance and Reliability Foster 2 Unicat Catalyst Technologies: SMR - 101 Part 1 Strand 2 Veolia Water Technologies & Solutions: Water Reuse - Achieving Water Intensity Goals Bolden 5			Johnson Matthey: Harness the Power of CO Promoters Strand 11B
				Ketjen: Q&A Following FCCSA / Petrobras Presentation Bolden 1
				Technip Energies: LanzaJet Foster 2
				Unicat Catalyst Technologies: SMR-101 Part 2 Strand 2
			1:15 - 2:00 PM	Johnson Matthey: JM LEVO Purification - Digital Guard Bed Performance Monitoring Strand 11B
				Ketjen: PULSAR <sup>®</sup> and QUASAR <sup>®</sup> : New Leading Hydrotreating Catalyst Technologies - Insights and Commercial Practice Experience Bolden 1
4:00 - 4:45 PM	BASF: FCC 101: Feed Quality and Effects on         Operation         Foster 1         Johnson Matthey: Cost-Effective Processing of         Highly Contaminated Feeds in the FCC         Strand 11B         Ketjen: ReNewFCC™ Catalyst Solutions for         Maximizing Value from the FCCU when Co-         Processing Renewable and Circular Feedstocks         Bolden 1         Technip Energies: T.EN Digital Services: On-Line Plant         Foster 2         Unicat Catalyst Technologies: PSA-101 Part 1         Strand 2         Veolia Water Technologies & Solutions: Calcium         Removal from Crude Oil Via Desalter Acidification         Bolden 5			Solenis: HexEval - Heat Exchanger Performance Monitoring Bolden 4
				Unicat Catalyst Technologies: PSA-101 Part 2 Strand 2
				Veolia Water Technologies & Solutions: Crude Unit Overhead Reliability Improvement Bolden 5
			2:15 - 3:00 PM	BASF: Co-processing Renewable Fuels in FCCs: Navigating Opportunities and Challenges Foster 1
				Johnson Matthey: Unlocking Potential: Navigating Existing Hydrogen Plant Constraints
				Strand 11B Ketjen: The Role of Catalysts in the Chemical Recycling of Waste Plastics
				Bolden 1 Lummus Technology: Taking Flight: Innovative SAF Pathways
	Wednesday, October 16			Strand 11A Unicat Catalyst Technologies: MagCat Case Stories
8:00 - 8:45 AM	Johnson Matthey: Sustainable Solutions for Refineries Strand 11B			Strand 2 Veolia Water Technologies & Solutions: Improved Renewable Fuel Reliability & Economics
	Ketjen Building a Sustainable Tomorrow: Ketjen's ZSM-5 Investment Energizes the Refining Industry		3:15 -	Bolden 5 Ketjen: FCC Profitability Deeper Dive and Q&A
	Bolden 1		4:00 PM	Bolden 1

## **Exhibitors**

Location	Lounge Host	Contact Name	Email
12 Arkema, Inc.		Lori Najmola	lori.najmola@arkema.com
7	Aspen Technology, Inc.	Jennifer Harrison	jennifer.harrison@aspentech.com
21	AVEVA	Craig Harclerode	craig.harclerode@aveva.com
Bolden 2	Axens North America	Stefania Archambeau	Stefania.ARCHAMBEAU@axens.net
24	Baker Hughes	Nadjmeh Doostdar	nadjmeh.doostdar@bakerhughes.com
Foster 1	BASF	Tanya Hanoman	tanya.hanoman@basf.com
1	Becht	Kathy Lipski	klipski@becht.com
20	BrandSafway	Richard Krebs	rkrebs@brandsafway.com
22	CAM Industrial Solutions	Sheri May	sheri.may@camindustrialsolutions.com
23	Clariant	Troy Walsh	troy.walsh@clariant.com
2	Crystaphase	Sravan Pappu	sravan.pappu@crystaphase.com
14	CUST-O-FAB	Keith Frye	kfrye@custofab.com
9	DORF KETAL	Joice Boll	joice@dorfketal.com
Bolden 3	Elessent Clean Technologies	Renee Colby	renee.colby@elessentct.com
*Hotel Suite	Eurecat U.S.	Tim Campbell	tcampbell@eurecat.com
*Hotel Suite	Evonik	Peter Douvry	peter.douvry@evonik.com
Strand 3	Gayesco-WIKA	Robert Torgerson	Robert.Torgerson@wika.com
16	Health and Safety Council (HASC)	Crystal Cedro	Crystal@hasc.com
Bolden 6	Honeywell UOP	Catherine Broderick	catherine.broderick@honeywell.com
13	Imubit	Amanda Lynn	amanda.lynn@imubit.com
*Hotel Suite	Imubit	Amanda Lynn	amanda.lynn@imubit.com
11	JCL Safety Services	Jim Lefler	jlefler@jclsc.com
Strand 11B	Johnson Matthey	Jennifer Rennick	jennifer.rennick@matthey.com
Bolden 1	Ketjen	Janeth Cook	janeth.cook@ketjen.com
Strand 4	KEWAZO Inc.	Jonas Lerchenmüller	Jonas.lerchenmueller@kewazo.com
17	Koch Engineered Solutions	Lindsay Doll	lindsay.doll@kes.global
Strand 1	Linde	Pamela Earle	pam.earle@linde.com
Strand 11A	Lummus Technology	Nicole Phillips	nicole.phillips@lummustech.com
8	Molex LLC (mPACT2WO)	Marcel Karolys	marcel.karolys@molex.com
5	Nalco Water	Grace Wang	grace.wang@ecolab.com
*Hotel Suite	Nalco Water	Grace Wang	grace.wang@ecolab.com
15	Optelos	Mark Bauman	mark.bauman@optelos.com
25	Refined Technologies	Ryan Roth	rroth@r-t-i.com
*Hotel Suite	Rezel Catalysts Corporation	Min Zhang	min@rezelcorp.com
Bolden 4	Solenis	Maureen Gerty	Mgerty@solenis.com
19	TapcoEnpro	Brendun Lawson	tapcoenpro@circor.com
Foster 2	Technip Energies	Steve Shimoda	steve.shimoda@ten.com
Strand 12A	Topsoe	Travis Kirk	tdk@topsoe.com
4	Tracerco	Andy Burleigh	andy.burleigh@tracerco.com
<del>_</del>	Turner Industries Group	Jana Browning	jbrowning@turner-industries.com
10		Sergio Robledo	sergio.robledo@unicatcatalyst.com
10 Strand 2	UNICAL CATAIVST LECHNOLOGIES		Sol Sion Oblead wanted total you com
Strand 2	UNICAT Catalyst Technologies		
Strand 2 18	United Rentals, Inc.	Terese Korbel	marketing@ur.com
Strand 2 18 6	United Rentals, Inc. Universal Plant Services	Terese Korbel Martha Rodriguez	marketing@ur.com events@universalplant.com
Strand 2 18	United Rentals, Inc. Universal Plant Services Veolia Water	Terese Korbel	marketing@ur.com
Strand 2 18 6 Bolden 5	United Rentals, Inc. Universal Plant Services Veolia Water Technologies & Solutions	Terese Korbel Martha Rodriguez Pablo Grieco	marketing@ur.com events@universalplant.com pablo.grieco@veolia.com
Strand 2 18 6	United Rentals, Inc. Universal Plant Services Veolia Water	Terese Korbel Martha Rodriguez	marketing@ur.com events@universalplant.com

\* For the most up to date information--including the hotel suite numbers--please check the AFPM App.

# Mark Your Calendars!

### **Annual Meeting**

March 2 - 4, 2025 Grand Hyatt San Antonio San Antonio, TX

International Petrochemical Conference March 23 - 25, 2025 Grand Hyatt San Antonio San Antonio, TX

### Labor Relations /

Human Resources Conference May 6 - 7, 2025 Westin Riverwalk San Antonio, TX

### Security Conference

May 8 - 9, 2025 Westin Riverwalk San Antonio, TX

### National Occupational & Process Safety Conference & Exhibition May 13 - 15, 2025 Austin Marriott Downtown Austin, TX

Walk the Line and Training Forum Summer 2025

Summit August 25 - 28, 2025 Gaylord Texan Grapevine, TX

### **Environmental Conference**

October 19 - 21, 2025 Hyatt Regency San Antonio, TX

### Future Summits

August 25 – 28, 2025 Gaylord Texan Grapevine, TX

August 31 - September 3, 2026 Gaylord Texan Grapevine, TX

August 30 – September 2, 2027 Gaylord Texan Grapevine, TX

<mark>August 28 – 31, 2028</mark> Gaylord Texan Grapevine, TX

### We have an App!

Take a look at our app for complete session and speaker details, build your schedule, contact other attendees, and submit evaluations. Just scan the QR code to download the AFPM app.

Live Podcasts!

Hydrocarbon Processing will be recording live in their podcast studio in the HUB. Stop by for a schedule.

## Complimentary Summit Wifi

Wifi Network: AFPM Summit Password: SUMMIT24!







1800 M Street, NW Suite 900 North Washington, DC 20036 202.457.0480 afpm.org *Twitter* @AFPMonline

*Facebook* AFPMonline

*LinkedIn* American Fuel & Petrochemical Manufacturers (AFPM)

© 2024 American Fuel & Petrochemical Manufacturers