



October 3-5, 2023 Gaylord Texan Grapevine, TX

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

Register Today



Learn and Connect at the Summit



The 2023 AFPM Summit: Excellence in Plant Performance is right around the corner!

The Summit delivers world-class technical sessions dedicated to improving plant-wide performance in the refining and petrochemical industries. Join and network with dedicated industry subject matter experts to discover the latest strategies and emerging innovations, and find immediate solutions to implement at the site level. With over 70 sessions, we guarantee to deliver the curriculum you need to succeed.

Who Should Attend?

- Technical Managers
- Process Engineers
- Reliability Leaders
- Operations Managers
- Maintenance Leaders
- Process Control Leads

- Contractors
- Technical Licensors
- Turnaround Planning Managers
- Optimization Managers
- Digital Transformation Change Agents
- Emerging Leaders

Why Should You Attend?

- Network with leading experts in your field
- Explore innovative solutions to technical challenges
- Learn about operationalizing emerging technologies and actionable solutions
- Come together to celebrate our industry's achievements
- Connect with your customers
- Collaborate with your peers

Register Today!



Join over 1,200 of the brightest technical minds in this industry. Take advantage of numerous technical sessions and priceless networking opportunities. Sign up today!



Look who's attending!





























































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Technical Expertise. Actionable Solutions.

Monday, October 2

| 2:30 - 3:30 PM | Ethics Training Kimberly Kay, Valero Energy Corporation We each have a responsibility to act with integrity and uphold the highest standards in all that we do. In this interactive session we will provide you with a tool to use when faced with an ethical decision as well as provide real world scenarios to practice making ethical decisions. |
|----------------|---|
| 3:30 - 5:00 PM | Emerging Leaders Networking Event - Sponsored by W.R. Grace & Co. Meet and network with other Emerging Leaders and industry leadership at the upper level of the Glass Cactus. |
| 5:00 - 7:00 PM | Welcome Reception at the Glass Cactus - Sponsored by Crystaphase |

Tuesday, October 3

| 8:00 - 9:00 AM | Welcome Chet Thompson, President and CEO, AFPM Presentation of the Lifetime Service Award Recognizing Fritz Kin, Marathon Petroleum Corporation and Tim Olsen, Emerson Automation Solutions for the outstanding contributions they've made to AFPM and the industries they represent. | | | | | | | | | |
|--------------------|--|---|---|---|---------------------|--|--|--|--|--|
| 9:00 - 11:00 AM | General Session Vivek Wadhwa, Futurist, Author, Emergi | General Session Vivek Wadhwa, Futurist, Author, Emerging Technologies Expert, Carnegie Mellon University Distinguished Fellow and Professor; and Jeffrey Downs, Managing Director, Franklin Covey | | | | | | | | |
| 11:00 AM - 1:00 PM | Lunch in the HUB | | | | | | | | | |
| | Learning From Incidents | Sustainability | Digital Applications | Maintenance Technology Showcase | Sponsored Content | | | | | |
| 1:00 - 1:45 PM | Lessons Learned from Spent Acid Rail Car Incident Speakers: Hi Chen, PEMEX Deer Park Refinery Ahram Yoon, PEMEX Deer Park Refinery | World Refining Outlook Facilitator: Jeff Sexton, Marathon Petroleum Corporation Speakers: John Auers, RBN Energy Debnil Choudhary, S&P Global Alen Gelder, Wood Mackenzie | The Digital Reality Ecosystem: How ExxonMobil is Moving to a Visual Way of Working through Open Asset Digital Twins Facilitator: Adinarayana Punuru, ExxonMobil Research & Engineering Co. Speakers: Kyle Daughtry, ExxonMobil Chemical Company Athicha Dhanormchitphong, ExxonMobil US Production | Benefits of Drone Use in Industry Facilitator: Bill Clark, Phillips 66 Speakers: Srinivasan Vanchinathan, Phillips 66 Delwyn Havens, Ergon, Inc. Technology Providers: Jonah Ballow, Innovative Plant Consultants Justin Hill, Innovative Plant Consultants | Ketjen Corporation | | | | | |
| 1:45 - 2:00 PM | Break in the HUB | | | | | | | | | |
| | Learning From Incidents | Sustainability | Digital Applications | Maintenance Technology Showcase | Sponsored Content | | | | | |
| 2:00 - 2:45 PM | HF Alky Isobutane Exchanger Bypass Leak Speaker: Mark Geisenhoff, Flint Hills Resources | Monetization Including IRA & ISCC+ Facilitator: Jeff Sexton, Marathon Petroleum Corporation Speakers: Bill Keesom, GreenStar BCS Jerry Price, GreenStar BCS | Driving Sustainability Through Application of Deep-Learning-Based Flare Smoke Detection, Alerting and Control Facilitator: AAtique Malik, AlControl LLC Speaker: Ye Hu, ExxonMobil Chemical Co. | Robotics Technology and Solutions Facilitators: Ann Benoit, W.R. Grace & Co. Gerard Celestine, Motiva Enterprises LLC Speakers: Joe Gilbreath, Motiva Enterprises LLC Kim Gilbreath, Motiva Enterprises LLC Technology Providers: Justin Lecourias; Team Industrial Services, Inc. | Axens North America | | | | | |

Hours

Monday, October 2 2:30 PM -7:00 PM CDT

Tuesday, October 3 8:00 AM - 6:00 PM 8:00 AM - 12:00 PM CDT

8:00 AM - 4:00 PM CDT Thursday, October 5

Wednesday, October 4

Kick off the Summit at the Glass Cactus!



Join the industry's finest at the Welcome Reception.

Sponsored by Crystaphase

Emerging Leader Networking Reception:

Meet and network with other emerging leaders, like-minded peers, and industry leaders prior to the Welcome Reception. An event you won't want to miss.

Sponsored by W.R. Grace & Co.

Lifetime Service Award Recipients:



Director, Safety, Security, Emergency Response, & PSM Marathon Petroleum Company



Solutions Consultant Emerson Automations

Register today!

Tuesday sessions continued on the next page.

Tuesday, October 3 cont.

| 2:45 - 3:00 PM | :00 PM Break in the HUB | | | | | |
|----------------|---|---|--|---|---------------------------|--|
| | Learnings from Incidents | Leadership | Digitalization | Maintenance Technology Showcase | Sponsored Content | |
| 3:00 - 3:45 PM | Lessons Learned from FCC Incidents Speakers: Richard Grove, Chevron USA Ziad Jawad, Phillips 66 Melike Yersiz, US Chemical Safety Board | How to Attract, Recruit, and Retain Great Employees Facilitator: Jeremy Miller, HF Sinclair Speaker: Steve Anderson, PhD., Integrated Leadership Systems | Digital Twin Applications to APC, AI, ASM, DX: Asset/Hierarchical and Visual Twins Facilitator: Bruce Taylor, FurtherTec Speaker: Adam Williams, Motiva Enterprises LLC | Innovation in Job Site Tools That Have Led to Hands-Free Safety Innovation Facilitators: Willis Jernigan, Koch Companies Public Sector, LLC Clay Naiser, Pemex Deer Park Speakers: Ben Way, Phillips 66 Technology Provider: Representative, Hand Safety Tool Company (A 2023 AFPM Distinguished Safety Award Winner) | Koch Engineered Solutions | |
| 3:45 - 4:00 PM | Break in the HUB | | | | | |
| 4:00-4:45 PM | Learning from Incidents — Slide Valves Facilitator: Joe Famolaro, ExxonMobil Research & Engineering Speaker: Virgil Guzman, TapcoEnpro | A Leader's Role - Human Organizational Performance Speakers: Fritz Kin, Marathon Petroleum Corporation Tom Myers, Cheniere Energy | Immersive Learning and Training - XR/AI Facilitator: Tim Chappell, Exxon Mobil Corporation Speaker: Rajan Puri, PBF Energy | Advances in Industrial Cleaning Technology Facilitators: Mark Mitchell, LyondellBasell Industries Andy Woods, Chevron Phillips Chemical Company Technology Provider: James Dees, Clean as New Roberto Tomotaki, Clean as New | | |
| 4:45-6:00 PM | Happy Hour in the Hub | | | | | |



General Session Speakers

Tuesday, October 3rd 9:00 am - 11:00 am



Vivek Wadhwa
Emerging Technologies Expert
CMU Distinguished Fellow



Jeffrey Downs
Thought Leader, Consistent growth through conscious action
Managing Director
Franklin Covey

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Wednesday, October 4

| | Sustainability / Gasoline Processing | Maintenance | Hydroprocessing /Safety | HF Alkylation | Crude | Advance Process Controls and Al |
|------------------|---|---|--|---|--|---|
| 8:00 - 8:45 AM | Renewable Naphtha Speakers: Christian Arnoux, Axens North America Robert Auers, RBN | A Day in the Life of the Connected Worker Facilitator: Willis Jernigan, Koch Companies Public Sector LLC Panelists: Casey Long, Flint Hills Resources, LLC Mark Mitchell, LyondellBasell Industries Brian Probert, LyondellBasell Industries | Temperature Excursion Hydrocracker - Monitor Incident Response | Lessons Learned Philadelphia Energy Solutions Speaker: Lauren Grimm, US Chemical Safety Board, Representative of Valero Energy Services | Oilfield Production Additives Impact on Unconventional Crudes Facilitator: Sam Lordo, Becht Speaker: Bob Falkiner, Becht Wesley Teasdale, Haliburton | Data Driven Open Loop Models for Plantwide Optimization Facilitator: Atique Malik, AlControl LLC Panelists: Mark-John Bruwer, Advantage Innovations Consulting Ltd Michael Harmse, Aspen Technology, Inc. Adinarayana Punuru, ExxonMobil Research & Engineering Co. Rajan Rathinasabapathy, Phillips 66-Los Angeles Refinery |
| 8:45 - 9:00 AM | Break in the HUB | | | | | |
| | Sustainability / Gasoline Processing | Maintenance | Hydroprocessing /Safety | HF Alkylation | Crude | |
| 9:00 - 9:45 AM | Case for Carbon Intensity Improvement for Gasoline Units Facilitator: Rhett Finch, Marathon Petroleum Corporation Speakers: Sujoy Ganguly, Honeywell UOP Tyler Krupp, Axens North America Yaz Seif, Marathon Petroleum Company | A Day in the Life of the Connected Worker Facilitator: Willis Jernigan, Koch Companies Public Sector LLC Panelists: Casey Long, Flint Hills Resources, LLC Mark Mitchell, LyondellBasell Industries Brian Probert, LyondellBasell Industries | Hydroprocessing 101: Unit Monitoring | Quality Issues in HF Alky Valves Speaker: Michael Afford, Marathon Petroleum Company | Testing and Modelling Crude Oil Compatibility Facilitator: Sam Lordo, Becht Speaker: Scott Sayles, Becht | |
| 9:45 - 10:00 AM | Break in the HUB | | ı | | | |
| 10:00 - 10:45 AM | Renewable Diesel Panel Facilitator: Eric Legare, Phillips 66 Panel: Paul Dofton, Marathon Petroleum Company Kamyar Keyvanloo, Phillips66 Tanner Lawrence, Diamond Green Diesel Rich Smith, Chevron Products Company Sponsored by: Nalco Water | Growing a Craft Pool with a Different Approach Facilitator: Gerard Celestine, Motiva Enterprises LLC Speakers: Dana Hanning, Motiva Enterprises LLC Rickey Hicks, Motiva Enterprises LLC | Case Study Valero Benicia Representative, Crystaphase | FCC Catalysts and Additive Technology Advancements Facilitator: Mike Federspiel, Valero Energy Corporation Speakers: Jason Goodson, Johnson Matthey Vaslis Komvokis, BASF Hangbo Ma, Johnson Matthey Andrew Shows, CITGO | Best Practices & Technologies for Processing a Variable Crude Diet Facilitators: Greg Cantley, Marathon Petroleum Corporation Jeff Zurlo, Veolia Water Technologies and Solutions Speaker: Sylvain Fontaine, Veolia | |
| 10:45 - 11:00 AM | Break in the HUB | | | | | |

Maintenance Technology Showcase

Tuesday, October 3rd 1:00 - 6:00 pm

These sessions will be a mixture of presentations on various use cases and hands-on demonstrations. Topics include drones, robotics, innovation in job site tools, and advances in industrial cleaning technologies.



6 October 3-5, 2023 summit.afpm.org Wednesday sessions continued on the next page.

Wednesday, October 4 cont.

| | Sustainability | Maintenance | Gasoline Processing | FCC | Crude/Mechanical Integrity | Sponsored Content | |
|---------------------|---|--|--|---|--|--|--|
| 11:00 AM - 11:45 AM | Sustainable Aviation Fuel Facilitator: Keith Couch, UOP Speakers: Chloe Petrich, Standard Chartered Banks | Rope Access Inspection Facilitator: Andy Woods, Chevron Phillips Chemical Company Speaker: Joanna McClellan, BrandSafway | US Gasoline Demand: How not to sink with the ship! Facilitator: Rainer Bass, HF Sinclair Corporation Speaker: Alan Gelder, Wood Mackenzie | FCC 101: Unit Monitoring Strategies for Optimization & Profitability Facilitator: Andrew Mezera, Valero Energy Corporation Speakers: Michael Allegro, BASF Austin Troxler, Marathon Petroleum | Crude Unit Corrosion Mechanisms & Impacts of Triazine Facilitator: Harold Eggert, Haliburton Speakers: John Acord, Marathon Amit Patel, Phillips66 | | |
| 11:45 AM - 1:15 PM | Lunch in the HUB | | | | | | |
| | Sustainability | Maintenance | Gasoline Processing | FCC/Turnaround | Coking/Mechanical Integrity | Alarm System Management | |
| 1:15 - 2:00 PM | Alcohol to Jet Panel Speakers: Jim Andersen, Lanzajet Monica Normack, KBR David Schwalje, Axens Kevin O'Neil, Honeywell UOP | Walk the Line - Return to Service | Reliability & Safety of Reforming and Isom Units Speakers: Rhett Finch, Marathon Petroleum Corporation Matt Hutchinson, Axens Steve Philoon, Honeywell UOP Alex Sabitov, Phillips 66 Russ Wiltse, Valero Energy Company | FCC Providers Shorten Time to Entry During Turnarounds Speakers: Lance Packard, USA Debusk Steve Matza, Zymeflow | Lifecycle Management of Coke Drums Facilitator: Bill Clark, Phillips 66 Speakers: Dave Dewees, Becht Antonio Seijas, Phillips 66 | Collaboration Between Process Safety and Alarm Rationalization Teams Facilitator: Alyssa Parks, Pemex Deer Park Panelists: John Durnin, Marathon Petroleum Corporation Steve Gill, HF Sinclair Karen Kuhn, Cenovus Energy Inc. Patrick Robinson, Phillips 66 | |
| 2:00 - 2:15 PM | Break in the HUB | | | | | | |
| | Sustainability | Emerging Leaders | Hydroprocessing / Turnaround | FCC | HF Alkylation/Mechanical Integrity | Digital Transformation | |
| 2:15 - 3:00 PM | Hydrogen Economy & Hubs Speakers: Mike Annon, Becht Nathan Barkley, Becht Darren York, Becht | Panelists: Carol Dwaik, Veolia Brent Gregory, Marathon Andrew Rigaud, Ergon Alfredo Villa, Topsoe | Catalyst Changeout Timeline Speakers: Richard Hanson, Petroval Ben Mossman, CHS | Turnaround Planning for Improved Reliability Speakers: Dan Sack, Becht Stephen Forry CECO Emtrol-Buell Virgil Guzman, TapcoEnpro | API RP 751 Section 6 Speaker: Monica Plowman, Ethos MI | The Low Code/No Code Opportunity: Achieving Maximum Levels of Organizational Performance and Operational Excellence Facilitator: Bruce Taylor, FurtherTec Speakers: Andy Gramann, Macedon Technologies David Horn, GembaSys Sarah Mahmoud, Parkland Refining (B.C.) Ltd. | |
| 3:00 - 3:15 PM | Break in the HUB | | | | | | |
| | Sustainability | Emerging Leaders | Digital Twin | FCC | Mechanical Integrity | Digital Transformation | |
| 3:15 - 4:00 PM | Pyrolysis Technology Speaker: Jeremy DeBenedictis, Alterra Energy Outi Teras, Neste | Panelists: Carol Dwaik, Veolia Brent Gregory, Marathon Andrew Rigaud, Ergon Alfredo Villa, Topsoe | Hydroprocessing Digital Twin | Turnaround Planning for Improved Reliability Speakers: Stephen Forry CECO Emtrol-Buell Virgil Guzman, TapcoEnpro Dan Sack, Becht | Lessons Learned from Ergon's Mechanical Integrity Failure Facilitator: Dean Roberts, Ergon Refining - West Virginia Inc. Speaker: Cory Bird, Ergon, Inc. | Delek's Eye in the Sky Drone Program Speaker: Ido Biger, Delek US | |
| 4:15 - 5:15 PM | Women in Industry Hosted Session: "Building Stronger Bridges - The Generations in a New World" David Stillman and Jonah Stillman, An intergenerational duo composed of Gen X and Gen Z. Brought to you by the Women in Industry Committee. Sponsored by Ketjen Corporation. All registrants are welcome. | | | | | | |
| 4:30 PM | Maintenance Contractor Hosted Sponsored by: HASC, Turner Industry | Happy Hour tries, Partner Industries, and Evergreen | Industrial Services | | | | |

Women in Industry Hosted Session

Wednesday, October 4th 4:15pm - 5:15 pm

"Building Stronger Bridges - The Generations in a New World"

David Stillman and Jonah Stillman, An intergenerational duo composed of Gen X and Gen Z.

Brought to you by the Women in Industry Committee.

Sponsored by Ketjen Corporation.

All registrants are welcome.





Register Today!

www.AFPM.org/Events

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Thursday, October 5

| 8:00 - 9:00 AM | Breakfast | | | | | | | |
|---------------------|--|--|---|---|---|--|--|--|
| | Crude / Coking | HHF Alkylation | Hydroprocessing /Safety | FCC | Digitalization | Turnaround | | |
| 9:00 - 9:45 AM | Preserving and Restoring Heat Ttransfer for Existing Assets Speakers: Nicholas Aubin, Petroval Roberto Tomotaki, Clean as New | HF Alky Regional Network Meeting (Invite Only - Operating Members) | Hydrogen - Lowering Carbon Intensity in your Current Hydrogen Plant | FCC 101: Feed Effects on the Heat Balance Speaker: Kent Turner, Grace | Cultural Impacts of Digital Transformation: How Advanced Analytics Enabled Positive Cultural Responses Speakers: Allison Buenemann, Seeq Corporation Bruce Taylor, FurtherTec | Planning Norms Safe Efficient Handover Craft Skills and Availability Facilitators: Mike Dehart, Valero Energy Corporation Robin Harris, Phillips 66 Brad Hase, HF Sinclair | | |
| 9:45 - 10:00 AM | Break in the HUB | | | | | | | |
| | Crude / Sustainability | HF Alkylation | Hydroprocessing Q&A | FCC | Digitalization | Turnaround | | |
| 10:00 - 10:45 AM | Sour Water Ammonia Recovery - a Low Carbon Intensity Product Speakers: Carlos Cavalca, Veolia Stan Holbrook, Marathon | HF Alky Regional Network Meeting (Invite Only - Operating Members) | | Equipment Advances Advanced Catalyst Cooler Features to nhance FCC Oprrtional Flexibility Speaker: Yongcan Gao, Technip From Vision to Reality - FCC Reator Riser Improvement Speakers: Javier Rios, Honeywell UOP Nik Larsen, Marathon | Planning and Sustaining a Technical Group to Implement and Grow AI/APC Applications in Process Optimization Facilitator: Atique Malik, AIControl LLC Panelists: Ray Coker, Marathon Petroleum Corporation Vikram Gokhale, Chevron U.S.A. Inc. Karen Kuhn, Cenovus Energy Inc. Yangdong Pan, Delek US Patrick Robinson, Phillips 66 Johnny Serafin, Phillips 66 | Turnaround (cont.) | | |
| 10:45 - 11:00 AM | Break in the HUB | | | | | | | |
| | Crude / Coking | HF Alkylation | Hydroprocessing Q&A | Sustainability/FCC | Digitalization | Turnaround | | |
| 11:00 AM - 12:00 PM | Townhall: Review responses to Crude/Cokling survey Facilitators: Hector Gamboa - Arizpe, CITGO Steve Williams, Marathon Petroleum Company | HF Alky Regional Network Meeting (Invite Only - Operating Members) | | Co-Processing Renewable Feedstocks in FCC Speakers: Stefan Brandt, Grace Derek Froehle, UOP Mel Larson, Becht Gary Lee, Parkland | Alarm System Management 101: Why It's Business Critical Facilitator: Tim Olsen, Emerson Automation Solutions Panelists: Michael Barham, Marathon Petroleum Corporation Troy Jones, Motiva Enterprises LLC Patrick Robinson, Phillips 66 | Turnaround (cont.) | | |

First Time Attendee Lounge

Stop by our lounge in the Hub to meet other newcomers, plan your day, have a snack, or just relax.



Sponsored Content Sessions

If you are interested in hosting one of the Sponsored Content Sessions, please contact LaToya Britt for slot availability at LBritt@afpm.org.

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What is the Hub?

The Hub is our central gathering place located in the foyer spaces outside the meeting rooms. Here you will find exhibit lounges, networking spaces, food and beverages, and even a quiet zone for work or phone calls. Take full advantage of this interactive space.

Visit these great companies in the Hub!

Exhibitors

AIS Software
AVEVA Software LLC
Axens North America
BASF Corporation
Becht
BrandSafway
CECO Emtrol-Buell
Chevron Lummus Global LLC

Clariant
Copperleaf
Crystaphase
Doble Engineering Company
Elessent Clean Technologies

Eurecat U.S. Evonik Corporation Gayesco-WIKA
Halliburton Multi-Chem
Honeywell UOP
Imubit, Inc.
JCL Safety Services
Johnson Matthey
Ketjen Corporation
Koch Engineered Solutions, LLC.
Linde Engineering Americas
Mobideo
Montrose Environmental Group, Inc
Optelos
Provenance | Trinity Consultants
Seeq Corporation
TapcoEnpro
Technip Ener
Topsoe, Inc
Total Safety
Tracerco
Turner Indu
UNICAT Co
United Ren
Universal P
Veolia Wat
Solutions
Voovio Tech

TapcoEnpro
Technip Energies
Topsoe, Inc.
Total Safety U.S., Inc.
Tracerco
Turner Industries Group
UNICAT Catalyst Technologies, LLC
United Rentals, Inc.
Universal Plant Services, Inc.
Veolia Water Technologies and

ental Group, Inc Solutions
Voovio Technologies
Consultants W. R. Grace & Co./Advanced
Refining Technologies
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Sponsor the Summit

Give your brand more visibility through one of our numerous branding and engagement opportunities. Take a look at our Exhibit and Sponsorship Brochure. For more details, contact LaToya Britt at sponsorships@afpm.org.

To host a hospitality suite, contact Katharine Nesslage at summitExhibits@afpm.org.



Register Today!

summit.afpm.org

October 3-5, 2023 Gaylord Texan Grapevine, TX

Conference Fees

Register by September 8th to receive the early registration fee. Registration fees increase by \$100 on September 9th. Online registration closes on September 29th.

Early Member Registration: \$1,250 Member Registration: \$1,350

Early Non-member Registration: \$1,750 Non-member Registration: \$1,850



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