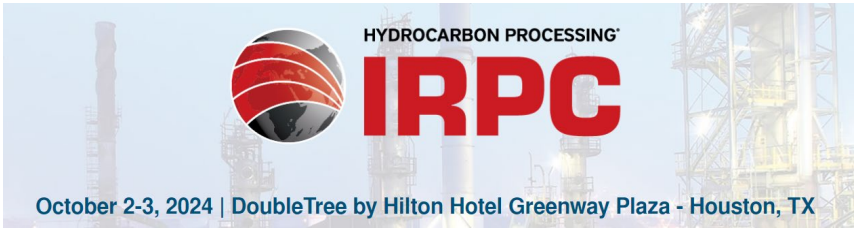

Revised:
September 30, 2024

TUESDAY, OCTOBER 1, 2024

9:00 – 9:45 a.m.	Tour Check-in
10:00 a.m. – 3:00 p.m.	Exclusive Tour of LyondellBasell's PO/TBA plant *Join us for a tour of the largest propylene oxide (PO) and tertiary butyl alcohol (TBA) plant in the world. The Houston-based facility represented the single-largest investment in the company's history, to date. The products produced at the plant are sold to domestic and global customers, with a majority of the products being exported via the Houston Ship Channel. The PO/TBA Project was part of LyondellBasell's $5-B organic growth program taking place on the U.S. Gulf Coast.* *The tour will depart promptly at 10:00 a.m. Details on motorcoach pick up will be forwarded to tour participants. Lunch will be provided, and buses will return to the hotel between 2:30 and 3:00 p.m. depending on traffic. Space is limited, register early.*

WEDNESDAY, OCTOBER 2, 2024

7:30 a.m. – 6:00 p.m.	Registration/Badge pickup	
8:30 – 8:35 a.m.	Welcome Remarks: Lee Nichols, *Vice President, Content* Gulf Energy Information	
8:35 – 9:05 a.m.	**Keynote: Various Options for a Bottomless Refinery.** Rajesh Samarth, *Chevron Lummus Global CEO* CLG Chevron Lummus Global	
	TRACK ONE ***(Greenway Ballroom)*** **Session One:** **Refining – Process Optimization** **(FCC, Alkylation, Coking, Treating, Hydrocracking)** **Moderator: Joseph C. Gentry,** **Vice President - Licensing** **GTC Vorro Technology, LLC**	**TRACK TWO** ***(Bluebonnet Room)*** **Session Two:** **Digital Transformation/Evolution** **(Predictive Analytics, IIoT, Cybersecurity, AR/VR, AI, etc.)**
9:10 – 9:40 a.m.	**Off-Gas Treatment to Mitigate Environmental Impact:** Suma Ninan, *Senior Technical Professional Leader – Process,* **KBR**, Khalid Alshamrani, Project Engineer, Saudi Aramco and Abdul Rahman Habib, Project Management – Lead, **Saudi Aramco** KBR aramco	**Driving Value Maximization with Process Digital Twins and Data Analytics:** Sathiyanarayanan Arunachalam, *Vice President* Reliance Industries Limited
9:40 - 10:10 a.m.	**Fire Heater Debottlenecking and Optimization Strategies:** Simbarashe Mambiri, *Process Engineer* Polaris ENGINEERING • FABRICATION • CONSTRUCTION	**Unified Power and Process Paves the Path To Net Zero:** Constantine Lau, *Global Director* Life Is On Schneider Electric
10:10 – 10:40 a.m.	**Needle Coke & Synthetic Graphite: Advancing Performance through Technology Application:** Al Faegh, *Director Delayed Coking Technology* CLG Chevron Lummus Global	**AI For Valve Predictive Maintenance:** Jay Hunt, Global Business Development Manager Valmet

10:40 – 11:10 a.m.	Networking Refreshment Break	
	Session Three: **Emerging Process Technologies (Refining and/or Petrochemicals)**	**Session Four:** **Catalyst Technologies** **Moderator: Terry Helton, PhD, Retired, ExxonMobil**
11:10 – 11:40 a.m.	**Breezon R1270: Pertamina's Natural Refrigerant Revolutionizing Energy Efficiency and Environmental Sustainability:** Andrie Prasetyo *Polypropylene Process Engineer*, Ari Fajar Riyanto, *Sr. Specialist III Downstream Research and* Perliansyah, Officer I Communication, Relations & Compliance PERTAMINA	**Affordable Superior Hydrocracking Catalysts Through Strategic Zeolite Modifications:** Kurt Du Mong, *Chief Executive Officer* ZEOPORE
11:40 a.m. – 12:10 p.m.		**Sinopec Non-Oil Route For Light Olefins Production -The Integration of S-MTO and OCC Process:** Dr. Hongxing Liu, *Senior Engineer* SINOPEC
12:10 – 12:40 p.m.	**Sulfur Removal: A pathway for Energy Reduction and Decarbonization:** Rahul Khandelwal, *Business Director* GTC VORRO TECHNOLOGY	**Enhancing Refinery Profitability and Sustainability; Advanced Catalyst Systems for Renewable Fuels:** Marc Schreier, *Principal Engineer* ART HYDROPROCESSING A Chevron and Grace Joint Venture
12:40 – 1:40 p.m.	Lunch	
	Session Five: **Green Petrochemicals**	**Session Six:** **Energy Efficiency/Plant Optimization**
1:40 – 2:10 p.m.	**Charting Decarbonization Pathways for Key Primary Petchem Production Routes:** Joseph Fallurin, *Manager - Oil and Gas Climate Solutions* and Catherine Huyett, *Senior Associate* RMI	**Sustainable Furnace Technologies – a Transformational Pathway to Net Zero:** Peter Armstrong, *Vice President of Business Development* Linde
2:10 – 2:40 p.m.	**Ethylbenzene Production Technology with Diversified Feedstock:** Dr. Darui Wang, *Vice Director. R&D Division* SINOPEC	**Sustainable Process Development and Refinery Integration:** Veshal Venkat, *Research Engineer* SwRI SOUTHWEST RESEARCH INSTITUTE

2:40 – 3:10 p.m.	**Potential Emissions Reduction, Recycling, and Increased Energy Efficiency:** Ilya Aranovich, Director of Business Strategy	**Optimization & Sustainability by Effective Concept and Detail Design Of Gas Plant:** Saravanavel Muthiah Ponnusamy, *Process Engineering Manager*
3:10 – 3:40 p.m.	Networking Refreshment Break	***sponsored by***
	Session Seven: **Hydrogen (Methanol/Ammonia – non-grey hydrogen)**	**Session Eight:** **Refining/Petrochemical Feedstocks** **Moderator: Karl Rufener** **Sr. Technology Manager, Low Carbon Olefin Production LyondellBasell**
3:40 – 4:10 p.m.	**Pathway to monetize CO2: E-Fuels:** Louis Courtaud, *Technology Engineer*	**Innovating Around Fischer Tropsch Technology: Breakthrough Technology Enabling Scalable, Feedstock Flexible, and Economical Sustainable Fuels:** Sanjiv Dabee, *VP of Engineering*
4:10 – 4:40 p.m.		**Plastic Pyrolysis Oils as Feedstock for Steam Crackers: Opportunities and Challenges:** Dr. Harald Schmaderer, *Head of Chemical Technology Services*
4:40 – 5:40 p.m.	Networking Reception	

THURSDAY, OCTOBER 3, 2024

7:30 a.m. – 4:00 p.m.	Registration/Badge pickup
8:30 – 8:35 a.m.	Welcome Remarks
8:35 – 9:05 a.m.	**Keynote: Learnings from a reactor explosion: Towards safer start-ups of catalysts systems.** Adrienne Van Kooperen, PhD, Senior Technical Services Engineer & Hydrocracking Specialist, **Shell** *An unease around potential high temperature and pressures during fresh Catalyst and adsorbent start-ups, leading to situations where design pressure and temperature are exceeded, made Shell create the Catalyst Safety Assessment (CSA) methodology.* *The objective is to increase focus on risks during transient phases of start-ups with fresh catalysts and adsorbents within and from Shell. Conducting the CSA, which is a team exercise involving cross-functional technical experts (the CSA team), enables Shell to learn from upsets during start-ups and reduces the risk of safety incidents.*
9:05 – 9:35 a.m.	**Keynote: Solutions for a Circular Plastic Economy** Mariane Maximous, *Vice President, Feedstock and Mechanical Recycling, Circular and Low-Carbon Solutions*
9:35 – 10:05 a.m.	**Downstream Market Intelligence:** John Royall, *President & CEO,* and Thad Pittman, *Senior Research Analyst* *An overview of downstream project data including new data sets on hydrogen, renewables, global pipelines, and LNG will be presented.*
10:05 – 10:35 a.m.	Networking Refreshment Break

	TRACK ONE *(Greenway Ballroom)*	TRACK TWO *(Bluebonnet Room)*
	Session Nine: **Carbon Capture/Emissions Reduction**	**Session Ten:** **Biofuels, Alternative/Clean/Renewable Fuels**
10:35 - 11:05 a.m.	**Next Generation of Olefin Production: Emission and Energy Efficiency:** Ghoncheh Rasouli, *Product Management Consultant* KBC A Yokogawa Company	**Tackle Operational Challenges with FCC Coprocessing Applications:** Kevin Yao, *Technical Services Engineer* BASF We create chemistry
	Session Eleven: **Maintenance, Inspection, and Reliability/Corrosion**	**Session Twelve:** **Process Controls, Instrumentation and Automation**
11:05 – 11:35 a.m.	**Innovations in Coating Technologies for Corrosion Control and Fouling Prevention in Harsh Hydrocarbon Processing Environments:** Dr. Fadila Khelfaoui, *Corporate Engineer, Metallurgy* and Luc Vernhes, Director, *Business Development* VELAN	**The Process Control Journey: Advanced Process Control:** Muhammed Ahmed, *Principal Architect, Digital Value Assur* OQ
11:35 a.m. – 12:05 p.m.	**Dynamic Simulation for Green Hydrogen Production: A Novel, Collaborative Approach by ABB and CORYS:** Graham Provost, *Vice President of Strategy and Business Development* CORYS dynamic simulation	**Optimizing Combustion Processes for Safety and Efficiency:** Tim Tallon, *Combustion Product Manager* AMETEK®
12:05 – 1:05 p.m.	Lunch	
	Session Thirteen: **Process Optimization**	**Session Fourteen:** **Sustainability**
1:05 – 1:35 p.m.	**Safe Innovative Approach for Commissioning & Startup of Mega Oil Refinery Complex:** Syed Abdul Wahab Ali, *Team Lead Naphtha Block-Process Engineer* and Shehab Refai, *Supervisor North Refinery- Lead Process Engineer* aramco	**How Oil Companies Can Lead in The Energy Transition: Greener Today and Sustainable Tomorrow:** *Peter Le* AVEVA
1:35– 2:05 p.m.		**Accelerate Your Sustainability Program:** Douglas White, *Principal, Consultant* EMERSON
2:05 – 2:35 p.m.	Networking Refreshment Break	

	Session Fifteen: **Circular Economy/Chemical Recycling**
2:35 – 3:05 p.m.	**Hydrochemolytic Technology: A Cost-Effective Alternative to Pyrolysis for The Chemical Recycling of Mixed Plastic Waste:** Eric Appelman, *Chief Revenue Officer and* Abe Dyck, *Corporate Development* ADURO CLEAN TECHNOLOGIES
3:05 – 3:35 p.m.	**Plastic Circularity: Solutions For Plastic Recycling and Utilization of Plastic-Derived Oils In Petrochemical And Refining Units:** Aashish Gaurav, *Senior Technology Manager, Plastics Recycling* KBR
3:35 – 4:05 p.m.	**Novel Additized Solvent Package for Defouling Adamant Asphaltenic Deposits In Heavy Hydrocarbon Process And Storage Units:** Dr. Ramesh Kandanelli, *Manager* हिन्दुस्तान पेट्रोलियम HP
4:05 – 4:10 p.m.	Closing remarks