Technical Session - 1
1200 – 1345 hrs
Venue : Hall Jacaranda
Refining and Petrochemicals outlook

1.1 Energy Industry's Challenges and it's Important Role in De-Carbonization
Jonathan Forbes Lane, Shell Catalysts and Technologies

1.2 Global Refining & Petrochemical Overview and Asia's Challenges and Opportunities 2019 – 2040
Anshuman Agrawal, Stratas

1.3 Hydrogen Economy – Road to Sustainable Future
Dr. S.S.V. Ramakumar, Indian Oil Corporation Limited, R&D Centre

1.4 Oil Markets- Sea of uncertainties
Ravi Narayanaswamy, IHS Markit

1.5 Renewable Fuels – Stepping Stone for Future Energy Globe
Jacob Brix, Haldor Topsoe

Technical Session – 2
1445 – 1630 hrs
Venue : Hall Jacaranda
Driving Refining & Petrochemicals towards Sustenance

2.1 Bottom of Barrel – What is the Right Upgrade Technology?
Goutam Biswas, Chevron Lummus Global LLC

2.2 Global Chemical Industry Outlook & Major Industry Trends
Sanjay Sharma, IHS Markit

2.3 Keeping up the pace: Insights into how the leading Refineries are adapting to the Changing Competitive and Regulatory Landscapes
Kevin Henke, Solomon Associates

2.4 Carbon Utilization & Petrochemical Integration: Capturing Value via Residue to Chemicals Projects
Jacques Rault, Axens

2.5 Optimizing Refinery Profitability with a Unique Blend of Technology, Operational Excellence and Funding – BOO
Stefano Innocenzi, Linde Engineering

Technical Session – 3
1700 – 1830 hrs
Moving Towards Sustainable Future

3.1 Higher Margin with an Integrated, Cost-effective Refinery Scheme
Samir Saxena, KB R Technology

3.2 Oil to Chemicals: Optimum Refinery Configuration and RIL’s MCC process
Sukumar Mandal, Reliance Industries Limited

3.3 Digital Transformation in Refining & Petrochemicals – A Digital Twin Approach
Akshay Gupta, Honeywell UOP

3.4 Refining & Chemical Sustainability
Dr. Partha P. Maitra, Reliance Industries Limited

3.5 Crude to Chemicals - Examples of Technology Advancements for Refiners to Maximize Chemicals
Dilip Dharia, Technip FMC
Technical Session – 4
0900 – 1045 hrs
Venue : Hall Jacaranda
Gasification: Towards Sustainability

4.1 Innovation in Biomass / Waste Gasification Solutions for Generation of Biofuels
Ashok Chaudhuri, Anur Scientific Energy Technologies Pvt. Ltd.

4.2 Flexicoking™ New Offer Announcement
Siva Ariyapadi, ExxonMobil

4.3 A Novel Clean Coal Technology - Catalytic Gasification Integrated with CO₂ Capture
Dr.Sateesh Daggupati, Reliance Industries Ltd.

4.4 Optimising the Refinery Scheme - The Role of Residue Gasification
Nan Liu, Shell

4.5 CFBC Technology Absorption, Operating Experience, Challenges faced and Reliability Improvement
Alok Kumar Gupta, Bharat Oman Refineries Ltd.

Technical Session – 5
0900 – 1045 hrs
Venue : Hall Gulmohar
Advances in Refining Technology- 1

5.1 Alkylation Technology as an Answer to the C4 Management and Gasoline Pool Constraints
Gabriel Buffin, Axens

5.2 Route to RON Enhancement
A. Vignesh, IOC(R&D)

5.3 Bharat – Divided Wall Column Technology: Development and Implementation
Srinivasulu Kaalva, BPCL R&D

5.4 Maximizing Earnings with a C4 Processing Value Chain
Jose DeBarros, Mcdermott (Lummus)

5.5 All-Hydroprocessing Technology Pathways to a more Sustainable future for Refineries
Subhasis Bhattacharya, Chevron Lummus Global LLC

Technical Session – 6
1115 – 1300 hrs
Venue : Hall Jacaranda
Hydrogen Economy – Road to Sustainable Future

6.1 Role of Hydrogen and Fuel Cells as Emerging Energy Solution for Energy Companies
Sachin Chugh, Indian Oil Corporation Ltd., R&D Centre

6.2 Low Carbon Hydrogen- for a Cleaner and Healthier Future
Himanshu Chauhan, Johnson & Matthey

6.3 Hydrogen – Fuel for Future: Promising and Challenging
Maruthi Ethakota ,Technip FMC

6.4 Hydrogen Generation – Innovative Ways to Meet Future Refinery Requirements
Maninder Jit Singh, Haldor Topsoe

6.5 Relevance of Hydrogen Fuel Cell based transportation for India
Chandrashekhar Chincholkar, KPIT, Pune

6.6 Thermo-chemical conversion of biomass to hydrogen rich syngas – Hydrogen for a range of downstream applications
Prof. S Dasappa, IISc Bangalore
24th Refining & Petrochemical Technology Meet

20 January, 2020

Technical Session – 7
1115 – 1300 hrs
Venue : Hall Gulmohar
Advances in Refining Technology- 2

7.1 Novel Desalter Technology for Enhanced Crude Salt Removal
S. Bhagath, Engineers India Limited

7.2 Cost Effective Indigenous Dewaxing Catalyst BHARAT - HiCAT for LOBS Production: Commercial Performance and Recent Advances, Raj Kumar Das, Bharat Petroleum Corporate R&D Centre

7.3 Ethanol vs Methanol Economy for India - A drive towards Energy Security & Zero Carbon Footprint, Biswajit Shown, Reliance Industries Limited

7.4 Unlocking Competitive Advantage through Molecule Optimization
Bharat Goenka, Shell

7.5 Development of Diesel-Ethanol Engine for HCV, Prasanna S. Sutar, ARAI

7.6 Crude to Chemicals , Pankaj Srivastava, Honeywell UOP

Technical Session – 8
1400 – 1545 hrs
Venue : Hall Jacaranda
Bio-fuels and Alternatives-1

8.1 Advanced Technologies Shaping the Future of Renewable Fuels & Chemicals
Harshit Agarwal, Axens

8.2 Bringing Cellulosic Ethanol to Scale, Swadhin Banerjee, Clariant India

8.3 RIL - Circular Economy Sustainable Process for Catalytic Conversion of Waste Plastic into a Stable Oil
Ms. Sayani Thakur, Reliance Industries Limited

8.4 “Waste to Wealth” - Converting problem of Stubble Burning and Used Cooking Oil adulteration into Energy Security Opportunity for India
Dharmesh Mahajan, Honeywell UOP

8.5 An Effective Conversion Technology for Biomass to Drop-in Fuels: Scale-up and Commercialisation of Opportunity, Laxmi Narasimhan, Shell

Technical Session – 9
1400 – 1545 hrs
Venue : Hall Gulmohar
Advances on Products and Processes

9.1 Propylene growth: dispelling conventional wisdom, FCC innovations change supply side dynamics , Marc Nicolas, Albemarle

9.2 On Purpose Propylene Production & the Production of Hexene-1 using Energy Neutral Metathesis ,Ronald M Venner, Mcdermott (Lummus)

9.3 Low cost anti coking and sulfiding additive for crackers and HT catalysts
Biswaigt Shown, Reliance Industries Limited

9.4 Polyolefins - An Overview ,M.P. Selvaakumar, MRPL

9.5 Hydrogen Peroxide & HPPO – The Heart of the PU value chain
Dr. David Bolz, EVONIK Resource Efficiency GmbH

9.6 HPCORRMIT-A Novel Cost Effective Corrosion Inhibitor for LPG pipelines: A Make in India Initiative
Raghava Krishna, Hindustan Petroleum Corporation Limited
Technical Session – 10
1615 – 1800 hrs
Venue : Hall Jacaranda
Bio-fuels and Alternatives-2

10.1 Commercial Scale Production of Low Carbon Fuels and Chemicals from Waste Gases
Prabhakar Nair, LanzaTech

10.2 An Efficient Biomethanation Technology - Organic Waste to Compressed Biogas (CBG)
Dr. Manoj Kumar , R&D Centre, Indian Oil Corporation Limited

10.3 A Process for Drop in Renewable Aviation Fuel
Dr. Anjan Ray, CSIR-IIP

10.4 R-CAT HTL – Sustainable process for Renewable Drop-in Liquid Fuel for co-processing in Refinery
Nikhlesh Saxena, Reliance Industries Limited

10.5 Cultivation of Marine Microalgae in Raceway Pond for Bio-crude Production
M. Vijayraj, Chennai Petroleum Corporation Limited

10.6 Renewable Energy Demand Enhancement
Dr. Y.B.K. Reddy, Solar Energy Corporation of India

Technical Session – 11
1615 – 1800 hrs
Venue : Hall Gulmohar
IR 4.0: Digital Revolution

11.1 Digitally Enabled Refinery Operations
Ajay Deshmukh, Honeywell UOP

11.2 Digitalisation in Refineries - Production Planning and Scheduling
Dr. Jagadesh Donepudi, KBC

11.3 K Model: Desktop Solution for Crude Oil Blend Compatibility and Blend Optimization
Pranab Kumar Rakshit, Bharat Petroleum Corporate R&D Centre

11.4 BPMARRK™: Real Time Crude Oil Assay for Monitoring and Optimisation of Crude Distillation Units
Syed Imran Ahmed R., Bharat Petroleum Corporation Limited, Kochi Refinery

11.5 Plugging the gaps in value chain with application of Pipeline Scheduler Software
Neeraj Kumar, Indian Oil Corporation Limited

11.6 Innovative software improves crude oil logistics scheduling
Aurelio Ferrucci, Prometheus
Technical Session – 12
0900– 1045 hrs
Venue : Hall Jacaranda

Innovation in Refineries- Profit Improvement

12.1 FCC Yield and Energy Optimization
Ankit Apoorv, Honeywell UOP

12.2 Unlock Potential of your SDA units
Hemendra Khakhar, Foster Wheeler

12.3 Innovations in UOP Merox Process and its integration with nViro MET - Environmentally Robust and Sustainable Approach to handle spent Effluent from Merox
Rakesh Soni, Honeywell UOP

12.4 KBR Olefins Technologies Provide Key Flexibility with Optimum Design to Ensure Profitability
Partap Vijay Singh, KBR Technology

12.5 Recovery of Anhydrous Ammonia from Refinery Sour Gases: A Case Study
V. Kamesh Jayanti, Engineers India Limited

Technical Session – 13
0900 – 1045 hrs
Venue : Hall Gulmohar

Environment- Best Operational Practices

13.1 Benchmarking Insights into Refinery Fresh Water Consumption
Kevin Henke, Solomon Associates

13.2 Water conservation: The Cradle of Sustainability
Jayant Kumar Joshi, Engineers India Limited

13.3 Durable Superhydrophobic Absorbent for Selective Absorption of Oil in Oil-water Mixture
Karthick R, Mangalore Refinery & Petrochemicals Ltd

13.4 BASF Environmental Friendly Guard Bed
Dr. Lothar Karrer, BASF

13.5 Process for Reducing Odour from Odorous Off-Gas Stream
V. Nandakumar, Mangalore Refinery & Petrochemicals Ltd
21 January, 2020

Technical Session – 14
1115 – 1300 hrs
Venue : Hall Jacaranda

Catalysts : Next Generation

14.1 Boosting Margins Through Catalyst Innovations
Junaid Shah, Haldor Topsoe

14.2 Latest Advances in Catalyst and Additives for Maximizing Propylene from the FCC
Mukund Balachandran, Grace

14.3 Aligning Refineries for Sustainable Future
Bruno Tombolesi, ART LLC

14.4 Completing the Life Cycle of Refining Catalyst: FCC Catalyst as an Example
Tie-Pan Shi, HC Pect

14.5 Nano-Engineered Zeolites in Hydrocracking Catalysts – Unlocking Ultimate Performance
Rambabu Raja, Shell

14.6 Innovative Catalyst Technology for Contaminant Metals Management in FCC
Bilge Yilmaz, BASF

Technical Session – 15
1115 – 1300 hrs
Venue : Hall Gulmohar

Operational Risk Management

15.1 Revamp of Integrated Hydrocracker and Lube Oil Base Stock Unit by CLG Using Innovative Process Scheme
Sanjeev Gangurde, CLG

15.2 Efficient and Cost Effective Amine Purification Process
Venkata Srinu Gollapalli, Engineers India Limited

15.3 Energy Efficiency – High Profitability Achieved
Wivika Laike, Alfa Laval India Private Limited

15.4 Advances in Filtration Technology
1. Molecular Filtration to Protect Mission Critical Electrical Equipment
2. Importance of Good Air Filtration in A Gas Turbine And Its Implications
Chris Ecob & Marc Van den Eynde, Camfil Air Filtration India