24th RPTM

Poster Session – 1

Time duration for display - 0930 to 1830 hrs

01. Green Jet Fuel Production from Hydroprocessed Renewable Feedstocks
   Torkil Hansen, Haldor Topsoe

02. Photo Electro Catalytic Reduction of Carbon Dioxide - Gateway to Sustainable Energy
   Narasimharao Kanna, Hindustan Petroleum Corporation Limited

03. Near Zero Emissions – Clean Air Future
   Nitin Sud, Linde Engineering

04. Block Chain in Supply Chain Management
   Avratanu Roy, Hindustan Petroleum Corporation Limited

05. A Novel, Sustainable and Profitable Solution for Solid Waste Management: Extraction of Vanadium and Nickel from Gasification Slag and Refinery Spent Catalysts
   Venkata Narasimha Rao Chelli, Reliance Industries Limited

06. Iron Poisoning and and Effective Novel Solution for RFCC is demonstration of Technology and Catalytic Development toward Sustainable Future
   John Haley, Rezel Catalysts Corporation

07. Inline Crude Oil Blending for Refineries
   Thomas W. Edwards, Technics Inc.

08. Crude to Chemicals - Indian Prospective
   Himanshu Sharma, EIL

09. Technical Assistance with Densicat Loading
   Court Jean-Baptiste, PETROVAL

10. Topsoe Furnace Manager (TFM) – Online Furnace Monitoring
    Naveen Kumar, Haldor Topsoe

11. Use of Liquid Liquid Coalescers for treating high TAN Kerosene Streams in Caustic Treatment
    Ashwin Prabhu, Pall Corporation

12. Enhancement of Hydrocracking Unit Performance with Honeywell UOP’s Uniflow™ Hydroprocessing Reactor Internals: A Case Study jointly developed by IOCL and Honeywell UOP
    Yash Jain, Honeywell UOP; Sangeeta Purkayastha, Indian Oil Corporation Ltd

13. Development of New Solvent for CO\textsubscript{2} Separation in Natural Gas Sweetening Process
    Rahul Sharma, GAIL

14. Critical Requirements for Isolation valves– Hydrogen Service
    Harsh Kukreja, Honeywell UOP

15. UOP High Performance Tubes for Sustainable Future in Refining and Petrochemicals
    Raymond Tucker, Honeywell UOP

16. Low Cost Revamp of Delayed Coking Unit with Odd Number of Drums
    Hardeep Singh, Bharat Oman Refineries Limited
17. Making On-Purpose Propylene and Butylene from Refinery Stream to Aligning Refineries towards an Economically Sustainable Future  
Kartik Dhara, Rezel Catalysts Corp

18. Introduction to KBR K-COT Technology (Process & Catalyst)  
Amit kumar Parekh, KBR Technology

19. Processing More Resid through an FCC Unit using KBR’s RegenMax Technology  
Rahul Pillai, KBR Technology

Susanta Sadhukhan, Bharat Petroleum Corporation Limited

Dinesh Brahma, Numaligarh Refinery Limited

22. Practical Challenges in Tube Side Heat Transfer and Ways to overcome  
Ashwin Chandarana, Entech Engineers

23. Improving Combustion Efficiency through Nuclear Magnetic Resonance by creating Harmonic Excitation of Fuel Molecules  
A. Ramanathan, Hindustan Petroleum Corporation Limited

24. Integration of Uni-Cracking and Uniflex MC  
Prateek Gupta, Honeywell UOP

25. Case Study of Flaring Loss Reduction through Data Analytics  
Karthick R, Mangalore Refinery & Petrochemicals Limited

26. The refining-chemical complex of the present and future in a world of energy transition and digitalization  
Sarjerao Chopade, AspenTech
Poster Session – 2

*Time duration for display - 0900 to 1800 hrs*

01. Digital Monitoring and Surveillance on Real time basis during RTA – Experience Sharing
   *Monjit Kumar Borah, Numaligarh Refinery Ltd.*

02. Refinery and Petrochemical Integration : An Innovative Approach for Direct Blending of C5 MS Rich Components from PGHU Depentaniser of Naphtha Cracker to Refinery MS Pool
   *Anurag Sharma, Indian Oil Corporation Limited*

03. CATACEL SSR- Tailored Hydrogen Catalyst Technology
   *Setu Bajpai, Johnson Matthey*

04. Furnace Tube Analysis by IR Thermography
   *Aubin Nicolas, PETROVAL*

05. Identifying and Carrying Out Quick Win Strategies that Maximized Refinery Margin by Processing Opportunity Crudes (Condensate)
   *Prasad V., Bharat Petroleum Corporation Limited*

06. Development of Power Purchase Portal For Open Access Power Purchase through Exchange
   *D.D. Sarkar, Bharat Petroleum Corporation Limited*

07. Delimit C3 splitter in Off-Gas Cracker by Reducing C3= losses from FCC unit
   *Nagashyam Appalla, Reliance Industries Limited*

08. Innovative Low Cost Alternative Technique for Vapour Recovery at Retail Outlet during Decantation of Motor Spirit.
   *Manjunath Halashi, Mangalore Refinery & Petrochemicals Limited*

09. Digital start up – Gasoline Treatment Unit, using State of Art Business Wi-Fi Network and Mobility Solutions
   *Abhishek Pandey, Bharat Petroleum Corporation Limited*

10. Modular Approach for Various Recovery Schemes in Refineries and Petrochemical Complex, *Nidhi Sharda, Honeywell UOP*

11. Topsoe ClearView™ – Meet your Targets every day
    *Debi Prasad Das, Haldor Topsoe*

12. US Crude Processing: Are Indian Refineries Equipped for the New Challenge?
    *Vivek Srinivasan, Dorf Ketal*

13. SMART Preventive Maintenance using Asset Management System
    *V Muralleedhara Karanth, Mangalore Refinery & Petrochemicals Limited*

14. Reliability Initiatives for Sustaining Operation
    *Nirmalya Nandi, Bharat Oman Refineries Limited*

15. Sustainable future: Improving the Competitiveness of the Assets
Manoj Prabhakar, Independent Project Analysis (IPA) Inc.

16. Refinery ETPs Sustainable Operation
   Ajoy Tiwari, Indian Oil Corporation Limited

17. First of its Kind PHE in APH of Dual Fired CDU / VDU Heaters at NRL
   Geetali Kalita, Numaligarh Refinery Limited

18. Innovation in Upgradation of HGU Reformer Outlet Pigtail Insulation System to Achieve Reliability & Reduce Downtime
   Kaushal Joshi, Bharat Oman Refineries Limited

19. Project Management – the Ecosystem includes Manufacturing and its Supply
   Amit Kaul, Honeywell UOP

20. Production of Environmental Friendly Rubber Process Oils from Lube Extracts through Improved Process Scheme
   Srinivasa Rao Ganagalla, Hindustan Petroleum Corporation Limited

21. Use Thermo compressors to Recover Venting of Low-Pressure Steam
   Manash Kamal Dutta, Numaligarh Refinery Limited

22. Leveraging Industry 4.0 IIoT (Industrial Internet of Things) for Monitoring and Mitigation of Crude Column Overhead Corrosion
   N. Vaartha, Indian Oil Corporation Limited

23. Maximizing Profitability for Hydrotreating Units while Reducing the Carbon Footprint by using Excel Rejuvenated Catalysts
   Nirav Shah, Porocel Industries LLC

24. Usage of Stastical Tools in Energy Saving in Petroleum Refinery Sector
   Dipak D Shukla, Reliance Industries Limited

   Satish Khedekar, Hindustan Petroleum Corporation Limited

26. Improvement of Anode Grade Delayed Coker unit profitability through Online Process
   Prantik Mondal, Indian Oil Corporation Limited

27. Waste Heat to Power Generation - Case Studies from Refinery and Petrochemical Industries Balaji N., Engineers India Limited

28. Safety in Petrochemical Project of BPCL Kochi Refinery
   Abhisek Mohanty, Bharat Petroleum Corporation Limited
01. In-house modifications for increasing the reliability of Coplaner Manifold Indexer (CMI) in ParaXylene Unit of a Petrochemical Complex  
Ashwin Pai G., Mangalore Refinery & Petrochemicals Limited

02. Hand held Asset Management tool for Electrical Equipments in BPCL, Mumbai Refinery  
D.D. Sarkar, Bharat Petroleum Corporation Limited

03. A New Co-Generation in a Post Refinery Expansion (Co-existence of GTG Brayton Cycle + STG Steam Rankine Cycle + Organic Rankine Cycle)  
Dinesh Brahma, Numaligarh Refinery Limited

04. APC Implementation in Sulphur Complex  
Suresh R., Bharat Petroleum Corporation Limited

05. IR 4.0: Industrial Automation Case Study - Secure Data communication using Unified Architecture (OPC-UA)  
Sathiyanarayan, Bharat Petroleum Corporation Limited

06. State-of-the-Art Methodology for Determination of Trace Level Hydrogen Sulphide in Hydrocarbon Streams (ATF) using Colorimetric Method by Spectrophotometer  
Y.S. Jhala, Indian Oil Corporation Limited

07. Paving the Way for IR 4.0 - Getting More from Field Devices  
Ganesh Bhat, Mangalore Refinery & Petrochemicals Limited

08. Thinking Beyond Pinch Analysis – A Real Case Study  
Mukesh H. Patel, Reliance Industries Limited

09. Pioneering Approach for Improvement in Recirculating Sea Cooling Water Quality  
Bisetti Gopi, Hindustan Petroleum Corporation Limited

10. A Statistical Approach towards Multi-Variable Non-Linear Predictive Model for the estimation of Reformate RON  
Phanishwar Kumar, Hindustan Petroleum Corporation Limited

11. Revival of once Redundant Visbreaker Unit (VBU) at IOCL, Gujarat Refinery for Marpol grade FO (S<0.5 wt %) Production within Shortest Possible Time through Innovative Process Adequacy Study & Maintenance  
Pooja Patel, Indian Oil Corporation Limited

12. Wireless Monitoring of Rotary Equipment in Hazardous, Inaccessible & Remote Areas Safety In Petrochemical Units & IR 4.0  
Monish B.S., Bharat Petroleum Corporation Limited, Kochi Refinery

13. Added Flexibility in Light Olefin Production Utilizing a World Scale INDMAX FCC Unit  
Mr. Shailesh Bansal, Mcdermott (Lummus)
14. FCC Catalysts-Hydrotreating catalysts  
   Anton Saraev, KNT Group Company

15. UOP High Performance Tubes for Sustainable Future in Refining and Petrochemicals  
   Abhishek Kadam, Honeywell UOP

16. Centralized Emission Monitoring – Case study  
   V. Muraleedhara Karanth, Mangalore Refinery & Petrochemicals Limited

17. Innovative Application of Advanced Techniques for Quick, Safe and Reliable Inspection of Storage Tanks in a Refinery  
   Sukant Dev, Indian Oil Corporation Limited

18. Utilization of Water Reservoirs in Industries for Generation of Electricity with an Added Advantage of Water Conservation  
   Saurabh Bhartiya, Mangalore Refinery & Petrochemicals Limited

19. Production of Drilling Fluid at BPCL-Mumbai Refinery  
   N. Suresh Kumar, Bharat Petroleum Corporation Limited

20. IMO Compliant Bunker Fuel – A Challenge for Refiners and IndianOil’s Approach  
   Thanigaivelu M., Indian Oil Corporation Limited

21. Dorf Ketal’s Sulfiding Agent – Better & Safer Coke Control for Ethylene Furnaces  
   Naushad Alam, Dorf Ketal

22. PDA Unit Revamp for Improved Energy Efficiency using Pinch Analysis  
   Mr. Nandagopalu, Chennai Petroleum Corporation Limited

23. Use of Data Processing Techniques in Refinery Process and Network Monitoring  
   Sowmya Challa, Indian Oil Corporation Limited

24. Cloud Based Data Analytics Solution for Pre-Heat Train Predictive Maintenance in Multi-tenant Architecture  
   MS Miglani, Engineers India Ltd

Poster gallery