

26th Energy Technology Meet "Emerging Energy Trends & Future of Refining"

Poster Session Day 1 09.10.23, 1100-1600 hrs

| S.No | Name | Organization Name | Email Address | Title |
|------|--------------------------|---|---------------------------------|---|
| 1 | Geetali Kalita | Numaligarh Refineries Ltd. (NRL) | geetali.kalita@nrl.co.in | Synthetic Aviation Fuel- SAF an approach towards sustainable fuel |
| 2 | Swaminathan Venkataraman | Haldor Topsoe India Pvt. Ltd. | swav@topsoe.com | Co Processing Renewable Feedstocks the Step towards Green Energy |
| 3 | Karuna Kalita | IIT | karuna.kalita@iitg.ac.in | Isobaric Storage of Compressed Hydrogen Gas for Long-Duration Energy Storage |
| 4 | Debashis Thakur | Numaligarh Refineries Ltd. (NRL) | debashis.thakur@nrl.co.in | Green Hydrogen production initiative at NRL and its future projection |
| 5 | Prashanth Karupothula | Urjahub (OPC) Private Ltd. | prashanth@urjamobility.com | High power density fuel cells integrated drones for oil & gas applications |
| 6 | Prashant Gunjal | Reliance Industries Ltd. (RIL) | prashant.gunjal@ril.com | Analysis of Solar Energy Storage and Utilization: A Step Towards Decarbonization of the Refining Operations |
| 7 | Sateesh Daggupati | Reliance Industries Ltd. (RIL) | sateesh.daggupati@ril.com | Green H2 from Biomass_A Novel, highly efficient and reliable Low Temperature Catalytic Gasification Process |
| 8 | Sachin Joshi | Sulzer GTC | sachin.joshi@sulzer.com | Novel Process Technology for upgrading Fats, Oils and Greases to Renewable Diesel (HVO) and Sustainable Aviation Fuel (SAF) |
| 9 | Saptarshi Paul | Engineers India Ltd. | saptarshi.paul@eil.co.in | Novel Approach for Processing of Ammonia-rich Sour Gases and Converting to Valuable Products |
| 10 | Rahul Garg | Bharat Petroleum Corporation Ltd. | rahulgarg001@bharatpetroleum.in | Design, Development and Demonstration of Metal Hydride based Hydrogen Compression System through simulation and experimentation |
| 11 | Dhawalkumar Shah | Linde Engineering | dhawalkumar.shah@linde.com | Pathways to Net Zero by Linde |
| 12 | Malay Pramanik | Hindustan Petroleum Corporation Ltd. | pramanik.malay@hpcl.in | Valorization of Petroleum Byproducts for e-Mobility and Energy Storage Application |
| 13 | Bharati Panigrahy | Hindustan Petroleum Corporation Ltd. | bharati.panigrahy@hpcl.in | Bifunctional Electrodes for AEM Electrolyzer Stack: Large Scale Green Hydrogen production |
| 14 | P. Vijaya Chitti | Engineers India Ltd. | vijaya.chitti@eil.co.in | The Effect of Hydrogen Blending in Natural Gas Pipeline - Challenges, Material Suitability and its Qualification |
| 15 | Aniruddha Kulkarni | Bharat Petroleum Corporation Ltd. | adkulkarni@bharatpetroleum.in | Promoting Clean Cooking Fuels in India – One Step Towards Net Zero |
| 16 | Vinay Joshi | Axens | vinay.joshi@heurtey.net | e-Heaters - Technology Accelerating Net Zero |
| 17 | Meeta Lavania | The Energy and Resources Institute (TERI) | meetat@teri.res.in | Development and Demonstration of Microbial Process for Enhancement of Coalbed Methane under subsurface condition |

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10.10.23, 0930-1300

| S.No. | Name | Organization Name | Email Address | Title |
|-------|--------------------|--------------------------------------|-----------------------------------|--|
| 1 | Aditya Rai | Encon Cooling Towers Private Limited | aditya@encongroup.in | Refinery Operational Excellence in Rotary Assets of Air Fin Coolers & Utilities - A Path to Sustainability & Profitability |
| 2 | Prasenjit Das | Indian Oil Corporation Limited | dasprasenjit@indianoil.in | Innovative utilization of Environment friendly Green Cooling Tower technology at IOCL Barauni Refinery to reduce carbon footprints |
| 3 | Carel Pouwels | KETJEN | carel.pouwels@albemarle.com | The Challenges of High Severity FCC for Application in Petrochemical Complexes |
| 4 | Eswararao Doni | Hindustan Petroleum Corporation Ltd. | doni@hpcl.in | Sulphur Modified Bitumen for Improved Performance and Enhanced Profitability |
| 5 | Uma Sankar Khan | KBR Technology | umasankar.khan@kbr.com | Energy Transition in India: Uncovering the Darkness beneath the Lamp for the Power Industry: A Critique |
| 6 | Dhiman Deb | Engineers India Ltd. | dhiman.deb@eil.co.in | Challenges with Bio Coal Fired Steam Generator |
| 7 | Rahul Patel | Linde Engineering | rahul.patel@linde.com | Small scale Hydrogen production using sustainable Fuel |
| 8 | Manish Das | Haldor Topsoe India Pvt. Ltd. | mdas@topsoe.com | Sustainable Plastic Production with PureStep Technology - A Game Changer for the Indian Market |
| 9 | Vishal Chaudhari | Haldor Topsoe India Pvt. Ltd. | vcha@topsoe.com | Repurposing the idle H2 asset and usage as CO2 Sink |
| 10 | Nikesh samarth | Hindustan Petroleum Corporation Ltd. | nikeshbhashkarrao.samarth@hpcl.in | Development of Novel Antioxidants for Polyolefins |
| 11 | Jutesh Gupta | Axens | jutesh.gupta@axens.net | Transforming Plastic Waste: Advanced Chemical Recycling Makes Plastic Circular |
| 12 | kottari Naresh | Hindustan Petroleum Corporation Ltd. | naresh.kottari@hpcl.in | HP-DWA: A Tunable Alkyl Chain Anchored and Cross-linked Dewaxing Polymer Aid for Propane Dewaxing Unit (PDU) |
| 13 | Jing Wang | KBR Technology | jing.wang_chemicals@kbr.com | Chemicals Portfolio |
| 14 | John Ramesh Bothsa | Elessent Clean Technologies | johnramesh.bothsa@elessentct.co | Meeting More Stringent Atmospheric NOx Emission Requirements for FCCUs |
| 15 | Sandeep Kankipati | Bharat Petroleum Corporation Ltd. | sandeepkns@bharatpetroleum.in | An Innovative Approach to Maximization ISOM Unit value by simultaneously producing Food Grade Hexane (FGH) and Motor Spirit |

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10.10.23, 1400-1730

| S.No. | Name | Organization Name | Email Address | Title |
|-------|-----------------------|---|------------------------------------|---|
| 1 | Aditya Rai | Encon Cooling Towers Private Limited | aditya@encongroup.in | Energy Efficiency & Water Footprint Reduction in Utilities Across Refineries using a Triple Bottom Line Approach |
| 2 | Dr. Manjunatha M G | Mangalore Refinery and Petrochemicals Ltd. (MRPL) | manjunathbegur@mrpl.co.in | Novel Technique to Plastic Waste Upcycling and Reduce Scope 1 & 2 Emissions |
| 3 | Sayani Thakur | Reliance Industries Ltd. (RIL) | sayani.thakur@ril.com | Circular Economy _ A Novel, Reliable and Viable, Low Temperature Continuous Catalytic Pyrolysis Process for the Conversion of Waste plastic in to Oil |
| 4 | K Madan Kumar | Hindustan Petroleum Corporation Ltd. | kumarkmadan@hpcl.in | Process Intensification Based “Next Generation” Carbon Capture Technology |
| 5 | Biswajit Shown | Reliance Industries Ltd. (RIL) | shownbiswajit@gmail.com | Development and Commercialization of Low Cost Sulfiding Additive for Steam Cracker and Hydrotreater Applications |
| 6 | Dipak D Shukla | Reliance Industries Ltd. (RIL) | dipakdshukla01@gmail.com | Membrane Technology in Refinery and Petrochemical Industry to achieve Net Zero – An Option towards Net Zero |
| 7 | Monikangkana Talukdar | Hindustan Petroleum Corporation Ltd. | monikangkana.talukdar@hpcl.in | Development of Bio-based Polycarbonate: A Route towards Sustainability |
| 8 | Pramod Kumar Hegde | Mangalore Refinery and Petrochemicals Ltd. (MRPL) | pramodhegde@mrpl.co.in | Driving Sustainability: Green Polypropylene Composites as Next-Gen Engineering Plastics in Automobiles |
| 9 | B Sreekanth | Hindustan Petroleum Corporation Ltd. | bsreekanth@hpcl.in | Harmonizing Hydrocarbons: Pioneering Sustainable Synergy between Refineries and Petrochemicals – Hexane Production |
| 10 | S Saravanan | Indian Oil Corporation Limited | saravanans2@indianoil.in | An Eco-friendly Process for Reactive Desulfurization of Olefinic C4/Liquefied Petroleum Gas |
| 11 | Mahesh | BCPL | maheshkasture@yahoo.com | Novel Process for Utilization of Plastic Waste: A Green Process to achieve Net Zero Goal |
| 12 | Chiranjeevi Thulluri | Hindustan Petroleum Corporation Ltd. | chiranjeevi.thulluri@hpcl.in | HP-RAMP technology for biomethane production from lignocellulosic biomass |
| 13 | Abhishek Parab | Technip Energies India Limited | abhishek.parab@technipenergies.com | Second-generation 2G Biofuel production technology from renewable sources |
| 14 | Amit Priyadarshan | Caliche | ankitkumar@calicheglobal.com | Carbon One - Carbon Capture And Conversion Through Versatile Biological Route |
| 15 | Rambabu Raja | Shell Catalysts & Technologies | rambabu.raja@shell.com | MACH - Nano engineering to Unlock the ultimate potential |

26th Energy Technology Meet "Emerging Energy Trends & Future of Refining"

11.10.23, 0900-1230

| S.No. | Name | Organization Name | Email Address | Title |
|-------|---------------------|---|------------------------------|--|
| 1 | Sekar | Nekhil Incorporate | sekar@nekhil.com | Slade Patented Virtually Leak Free Dry Sealing System |
| 2 | Meenu Jindal | CSIR - Indian Institute of Petroleum | meenujindal126@gmail.com | One pot H ₂ -free reductive catalytic fractionation of cotton stalks over highly dispersed bi and trimetallic catalysts for integrated biorefineries |
| 3 | Piyush Singh | Bechtel India Pvt. Ltd. | psingh20@bechtel.com | Risk Based Fireproofing for Pool and Jet Fire - The Future |
| 4 | Digbijay Nayak | Engineers India Ltd. | d.nayak@eil.co.in | Future of the Energy Sector in the Era of IR 5.0 |
| 5 | Rohit Sachan | Hindustan Petroleum Corporation Ltd. | rohitsachan@hpcl.in | DIESEL HYDROTREATING UNIT OPTIMIZATION MEASURES |
| 6 | Nikhil Mahajan | AspenTech | nikhil.mahajan@aspentech.com | Real-world Implementation of Process Digital Twins for Carbon Mitigation and Asset Optimization in Refining and Petrochemicals |
| 7 | Dulal Chandra Patra | HPCL-Mittal Energy Ltd. | dulal.patra@hmcl.in | Complete Recycle & Reuse of Treated Effluent water in HMEL Petchem Complex |
| 8 | Anoop Dimri | Engineers India Ltd. | anoop.dimri@eil.co.in | Technicality & Optimization of Captive Power Plant |
| 9 | Gopal Kumar Gautam | Hindustan Petroleum Corporation Ltd. | gkgautam@hpcl.in | Highly Effective Novel Nucleating Agent for Isotactic Polypropylene |
| 10 | Vikas Sharma | Hindustan Petroleum Corporation Ltd. | vikas.sharma@hpcl.in | In-situ hybridized reduced graphene oxide with CuO and Bi ₂ O ₃ nanostructures for high performance supercapacitors |
| 11 | Samarendra Das | Chennai Petroleum Corporation Ltd. (CPCL) | samarendradas@cpcl.co.in | Synergizing Corrosion Monitoring and Digitalization for Robust Asset Integrity Management |
| 12 | Ashutosh Kumat | Corrosion Intel | ashutosh@corrosionintel.com | Real-Time Corrosion Forecasting in Crude Distillation Overhead Units using Artificial Intelligence |
| 13 | Ritu Mishra | OPaL (ONGC Petro additions Ltd.) | ritu.mishra@opalindia.in | Rectification of critical Cracked Gas valve (motor operated) purge steam condensate line resulting in steam loss prevention during change over from cracking to decoking of furnace. |
| 14 | Geeta Singh | Redstack | g.singh@redstack.in | Options towards Net Zero- Salinity Gradient Power |
| 15 | kottari Naresh | Hindustan Petroleum Corporation Ltd. | naresh.kottari@hpcl.in | Dual functional surfactant/waxy containing biodegradable Warm mix additive for asphalt mixtures |