

**23rd Refining & Petrochemicals Technology Meet : 12-14 January 2019,Mumbai**

**Schedule for 12<sup>th</sup> January 2019**

Time	Central Hall		
0930-1100	Inaugural Session		
1100-1130	Inauguration of Exhibition stalls and Poster Gallery		
1130-1200	Hi tea		
1200-1400	Technical Session - 1 : Aligning Refineries for Sustainable Future		
	1.1	Energy Trends and Refinery for future	SHELL
	1.2	Global energy and Chemical industry outlook	I H S
	1.3	Sustainable Refining	RIL
	1.4	Competitive Pathways for Crude to Chemicals	Chevron Lummus Global
	1.5	Global Refining Overview and Asia- Opportunity and Challenges	Stratas
1400-1500	Lunch Break		
1500-1645	Technical Session -2 : Moving Towards Sustainable Future-I		
	2.1	A Process for Drop in Renewable Aviation Fuel	CSIR-IIP
	2.2	Crude to Consumables	Jacobs
	2.3	New Trends and opportunities in Hydrogen Production	HTAS
	2.4	Hydrogen : The fuel of the future"	Linde
	2.5	A Process for the Catalytic Conversion of Waste Plastic in to High Quality Fuels	RIL
1645-1700	Tea Break		
1700-1845	Technical Session - 3 : Moving Towards Sustainable Future-II		
	3.1	Improved Production of Bio Gas and Bio CNG from Lignocellulosic biomass	ICT-DBT
	3.2	Converting Municipal solid wastes to Drop-in Hydrocarbon Fuel	Shell
	3.3	Biomass Burning in Fields" to "Bio-Crude Reserve of Nation"- A Massive Opportunity in Disguise for Surplus Biomass in India".	Honeywell(UOP)
	3.4	Process solutions for transportation fuels from renewable sources	Axens
	3.5	Carbon Recycling : Clean Fuel and Clean air	Lanzatech
	3.6	Praj integrated 2G Smart Bio Refineries	Praj Industry

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Time	Technical Sessions					
	Grande A			Grande B		
0900-1100	Technical Session - 4			Technical Session - 5		
	Gasification : Towards Sustainability			Quality Improvement : Options		
	4.1	Plasma Gasification - Sustainable route to produce Petrochemicals from Refinery waste	MRPL	5.1	Octamax®: An Indigenous Technology for Conversion of Cracked C4 Stream to High-Octane Gasoline	IOC(R&D)
	4.2	A pathway through bio-refinery using thermochemical conversion Opportunities for biomass as a mainstream energy source	IISc	5.2	Etherification -Route to High RON Gasoline	Axens
	4.3	Low Temperature Catalytic Gasification of High-Ash Indian Coal , Agri Residue and Petcoke in to High Quality Syn gas.	RIL	5.3	Octane Solutions -KSAAT,NexOCTANE, MAXISOM Technologies	KBR
	4.4	Petcoke to Methanol	Air Liquide	5.4	Enhancing LC-FINING to include LSFO production	CLG
	4.5	Integrated Refinery Scheme	Shell	5.5	Octane Boost and Capacity Increase for Hydrotreated Naphtha	Invista
	4.6	Novel catalysts and catalytic processes for converting CO2 to fungible Liquid Fuels and Chemicals	Ben Gurion University , Israel	5.6	Advances in Alkylolation Technologies, AlkyClean®	Mcdermott Technology
1100-1115	Tea Break					
1115-1300	Technical Session - 6			Technical Session - 7		
	Innovations in Refineries-Profit Improvement			Advances in Refining Technology		
	6.1	Energy optimisation through utilities Energy reduction	KBC	7.1	The power of Pretreat	Albemarle
	6.2	Insights into Reducing steam System Size and Fresh Water Usage	Solomon	7.2	Honeywell UOP Uniflex MC technology - Maximising Profitability with High Residue Conversion	UOP
	6.3	Innovative Business Process for Sulphur Recovery system	BPCL-M	7.3	Ebullating Bed Resid Hydrocracking	ART Hydroprocessing
	6.4	Recovery of Ammonia from Refinery sour gases	EIL	7.4	A self sufficient Hydrogen Generation unit : Largest in India	HPCL
	6.5	SWAATS-A new commercialised process for processing acid gas and alternative product for sulphur	GTC	7.5	Next Generation Hige based Amine Process	EIL
	6.6	Maximizing Light Olefin Potential from FCC unit	Grace	7.6	Stepwise implementation programme unlocking opportunities for Refiners	Technip
1300-1400	Lunch Break					
1400-1600	Technical Session - 8			Technical Session - 9		
	Innovations in Refineries : Product Developed			Catalysts : Next Generation 1		
	8.1	Cost effective Indigenous dewaxing catalyst BHARAT-hiCATfor LOBS production : Development and its commercial performance	BPCL-R&D	9.1	Novel catalysts and catalytic processes for converting waste biomass to Fungible liquid fuels and Chemicals	Ben Guiron University , Israel
	8.2	Production of D 80 (De Aromatised Solvent) in BPCL-Mumbai Refinery	BPCL-M	9.2	On purpose Catalyst supports for Sophisticated Catlyst Design	SASOL
	8.3	HPCORRMIT -A novel cost effective inhibitor for LPG pipeline	HPCL(R&D)	9.3	Maximising Refinery Margin by leveraging by Criterion's Hydrocracking pretreat catalyst and Reactor Internals	SHELL
	8.4	Safer and Effective Sulphiding Chemistry for Refinery and Petrochemical plants	Dorf Ketel	9.4	VGO Hydrotreatment Catalyst	Axens
	8.5	A reliable Technology for liquid Hydrocarbon Drying	Quadrimax	9.5	Latest Generation Topsoe HELPsc TM Technology and HySWwell Catalyst	HTAS
1600-1615	Tea Break					
1615-1815	Technical Session - 10			Technical Session - 11		
	IR 4.0: Digital Revolution			Petrochemicals for Business Sustainability		
	10.1	Industry 4.0 in Oil & Gas :Relooking at Digital Transformation with a Risk Based Approach	Dupont	11.1	Dow Global Technologies LLC ,METEOR EO-RETRO 2000 Catalyst for Ethylene Oxide Production	Dow
	10.2	Leveraging cloud to drive operational excellence	Honeywell (UOP)	11.2	The EMTAMSM process -A path to Advanced Paraxylene Production	Exxon Mobil
	10.3	BPCL Mumbai Refinery's initiatives and step towards Industrial Revolution 4.0	BPCL-M	11.3	Adding value to refinery LPG streams : Propane/Butane dehydrogenation and Polypropylene	Mcdermott Technology
	10.4	Accelerating digital Transformation	Aspentech	11.4	Refinery Offgas Cracker	RIL
	10.5	Digital mission for downstream : Next generation advance plant analytics	TCS	11.5	HPPO-The leading PO technology	EVONIK
	10.6	Digitisation in Petroleum Refineries: A way forward	Yokogawa	11.6	Evaluating Revamp Configuration Using Catalytic Olefins Technology	KBR

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Time	Technical Sessions					
	Grande A			Grande B		
0830-1030	Technical Session - 12			Technical Session - 13		
	Catalyst : Next Generation 2			Best Operational Practices		
	12.1	Luminate -Latest catalyst Innovation to Maximise Value addition in FCC units	BASF	13.1	Paraxylene Generator -Tatoray regeneration	OMPL
	12.2	Hydroprocessing of renewable Feedstocks- Challenges and Solutions	HTAS	13.2	Virtualisation Technology for Process units	OMPL
	12.3	Real time Optimization of FCC Catalyst Selectivity	Johnson Matthey	13.3	Robotic Technique for Processing API separator sludge	HPCL -M
	12.4	Accu Spheres Technology	Saint Gobin	13.4	Towards Hyrogen Economy -Opportunities and challenges	GAIL
	12.5	Catalysts and Process Technologies for Olefin Derivatives -Aligning Refineries towards an Economically Sustainable Future	REZEL	13.5	Centralised Mvar and MW control of generators in CPP through Electrical control system	BPCL-K
12.6	FCC catalytic solutions	KNT Russia	13.6	How Green, cool and energy efficient is your cooling system ?	Armec	
1030-1045	Tea Break					
1045-1215	Technical Session - 14			Technical Session - 15		
	Benchmarking			Operational Risk Management in Petrochemical units		
	14.1	Insights into Pipeline Benchmarking	Solomon	15.1	Improving Business Success Through Operational Risk management	Dupont
	14.2	Improving project performance through Benchmarking : A Refining & Petrochemical Perspective	IPA	15.2	Safety Design Practices followed for Extrusion Buildings in a US polyolefin plant -A case study	Bechtel
	14.3	Safety Benchmarking : Insights from Oil&Gas Industry Experience	Dupont	15.3	Operator Training and Certification -a vital component for safe operations of a Petrochemical plant	IFP Training
14.4	Global strategies for successful execution of Mega Petrochemical project	Fluor Daniel	15.4	Case studies of the Industrial Disaster (Dust Particle Explosion)	OMPL	
1215-1300	Vote of Thanks (Central Hall)					
1300-1400	Lunch					