

# R&D Conclave 2017

Theme: Ideas are here

Venue: Jaypee Residency Manor, Mussoorie, Dehradun, Uttarakhand

DATE	TIME	SESSION
16/02/17 (Thursday)	3:00 PM to 4:30 PM (1.5 hr.)	<b>Inaugural Session</b>
		<p><b>Welcome by:</b> Director General, Federation of Indian Petroleum Industry (FIPI)</p>
		<p><b>Futuristic Energy Sources :</b> Dr. S. S. V. Ramakumar, Director (R&amp;D), IOCL</p>
		<p><b>R&amp;D in Upstream:</b> Mr. A.K. Dwivedi, Director (Exploration), ONGC</p>
		<p><b>Inaugural Address by:</b> Chief Guest Dr. Anil Kakodkar, Chairman, Scientific Advisory Committee (SAC) on Hydrocarbons, MoP&amp;NG and INAE Satish Dhawan Chair of Engineering Eminence, BARC</p>
	4:30 to 5:00 PM	Tea Break
	5:00 to 7:00 PM (2.0 hrs.)	<p><b>Session: I - Innovations: New Developments and Commercialization</b></p> <p><b>Chairperson:</b> Mr. Anand Kumar, Director, FIPI and former Director (R&amp;D, IOCL)</p> <ul style="list-style-type: none"> <li>- New Carbon Recycling Technologies Providing Alternate Feedstocks for Energy with Lower Carbon Footprint by Dr. Laurel Harman, Lanzatech</li> <li>- Mongolian Anthracite based Carbon Monoliths for Higher Volumetric Methane Storage by Adsorption: A possible Way for the commercialization of Adsorbed Natural Gas Storage by M.S. Balathanigaimani Ph.D., Associate Professor, Department of Chemical Engineering, RGIPT</li> <li>- Synergizing Research with Commercialization Efforts by Mr. Sanjay Bhargava, Head R&amp;D, BPCL</li> <li>- Aspects of CTL Process with High Ash Indian Coal: An Effort Towards Development of CTL Technology Through Surface Coal Gasification, Dr. R.N. Maiti, DGM (R&amp;D), EIL</li> </ul>
	7.30 PM onwards	Networking Dinner

17/02/17 (Friday)	9:00 to 11:00 AM (2 hr.)	<p><b>Session-II - Refining and Process Intensification</b></p> <p><b>Chairperson: Dr. Anjan Ray, Director, IIP</b></p> <ul style="list-style-type: none"> <li>- Refinery Petrochemical Integration by Dr. Simon Hobbs, UOP</li> <li>- Residue Hydrocracking -Ebullated &amp; Slurry Bed Technologies by Dr. M. Sau, IOC R&amp;D</li> <li>- BPMARRK: An Intelligent Device for Predicting Detailed Refining Characteristics of Crude Oil by Mr. Prashant Parihar, Manager (R&amp;D), BPCL</li> <li>- Development and Demonstration of FunOcare, online Cleaning of Furnace Tubes in Refineries by Mr. Ashok Kumar, Ch. Manager Technical, Mumbai Refinery, HPCL</li> <li>- Computational Fluid Dynamic (CFD) Analysis of Catalytic Cracking Unit's (CCU) Reactor Cyclones Configurations by Dr. Biswanath Saha, Manager (R&amp;D), BPCL</li> <li>- Process Intensification in Corning Advanced Flow Reactor Technology by Mr. Pravin Gosain, Regional Director, Corning</li> </ul>
	11:00 to 11:15 AM (15 minutes)	<b>Session Break</b>
	11:15 to 12:15 PM (1 hrs.)	<p><b>Session-III - Modern Trends in Catalysts in Refining &amp; Petrochemicals</b></p> <p><b>Chairperson: Mr. G Sriganesh, Executive Director HP Green R&amp;D Centre, HPCL</b></p> <ul style="list-style-type: none"> <li>- IndianOil Ziegler- Natta Catalysts Platform by Dr. G.S. Kapur, IOC (R&amp;D)</li> <li>- Service Factor Improvement of Hydroprocessing Units Through Innovative Product "HPDUCER" by Mr. Srinivasa Rao Ganagalla, Sr. Officer R&amp;D, HPCL</li> <li>- Leading Innovations in PO Catalysis by Mr. Yogesh Mishra, Commercial Director, Grace</li> </ul>
	12:15 to 1:45 PM (1.5 hrs.)	<p><b>Session IV - R&amp;D in Upstream</b></p> <p><b>Chairperson: Dr. D.N. Singh, Executive Director, KDMIPE, ONGC (Confirmed)</b></p> <ul style="list-style-type: none"> <li>- Low Salinity Water Flooding as EOR Process for Carbonate Reservoirs: An Experimental Approach by Mr. Dheeraj K. Awasthi, IRS, ONGC</li> <li>- ASP Flooding to Revitalize Oil Production from a Mature Polymer Flooded Field by Mr. Ankit Hanotia, IRS, ONGC</li> </ul>

		<ul style="list-style-type: none"> <li>- Emerging Applications of Biotechnology in Upstream Hydrocarbon E&amp;P Industry by <i>Mr. M.C. Nihalani, GM (R&amp;D), OIL</i></li> <li>- Artificial lift Challenges for Coal Bed Methane Dewatering by <i>Mr. Avinav Kumar, SE (P), IOGPT, ONGC</i></li> <li>- Corrosion Failure of Pipelines: What Can Go Wrong and Corrective Measures by <i>Dr. Anil Bhardwaj, GM (Chem.), IEOT, ONGC</i></li> </ul>
	1:45 to 2:30 PM ( 45 minutes)	<b>Lunch Break</b>
	2:30 to 4:00 PM (1.5 hrs.)	<p><b><i>Session V - R&amp;D in Upstream</i></b></p> <p><b>Chairperson : <i>Mr. P. Raja, Executive Director (E&amp;D Directorate), ONGC</i></b></p> <ul style="list-style-type: none"> <li>- Advances in Geochemical Techniques for Exploration of Hydrocarbons by <i>Dr. Neeraj Mathur, GM (R&amp;D &amp; CoEES) OIL</i></li> <li>- Fatty acid profiling in Biodegraded oils -A unique tool for oil to oil and oil to source correlation by <i>Mr. S.K. Saxena, DGM Chem.), KDMIPE, ONGC</i></li> <li>- Plasma Processing of Residual Tank Bottom Sludge for Energy Recovery by <i>Mr. S.R. Iyer, DGM (E), IRS, ONGC</i></li> <li>- Application of Non-Seismic Geophysical Techniques in Seismically Challenging Areas for Basin Architecture by <i>Mr. J.N. Prabhakarudu, DGM (G), KDMIPE, ONGC</i></li> </ul>
	4.00 to 4:30 PM	<b>Tea Break</b>
	4:30 to 6:00 PM (1.5 hrs.)	<p><b><i>Session VI - Emerging Technologies (1)</i></b></p> <p><b>Chairperson: <i>Dr. S.K. Majumdar, Executive Director (RT), IOCL</i></b></p> <ul style="list-style-type: none"> <li>- Bottom of Barrel Technology by <i>Mr. George Schlager, President and Sales Manager, LIST Technology</i></li> <li>- Demonstration of BioActiva an Innovative Bioproduct at HPCL's Vizakh Refinery by <i>Mr. S S Nandanwar, Ch. Manager Technical, Visakh Refinery, HPCL</i></li> <li>- Syngas Conversion to Fuels &amp; Chemicals: An Overview of BPCL's Perspective by <i>Dr. V. Ravikumar, DGM (R&amp;D), BPCL</i></li> <li>- Recent Advances on commercialization of R&amp;D Developed Technologies in Reliance Refineries <i>Mr. Manoj Yadav, AVP, RIL</i></li> </ul>
	7:30 PM onwards	<b>Dinner</b>

18/02/17 (Saturday)	9:00 to 10:00 AM (1.00 hrs.)	<b>Session-VII - Emerging Technologies (2)</b>  <b>Chairperson: Mr. Sanjay Bhargava, Head R&amp;D, BPCL</b>  <ul style="list-style-type: none"> <li>- Small Scale Carbon Monoxide Generation Using Electrolytic Process by <i>Mr. Chetan Mittal, Haldor Topsoe</i></li> <li>- Development of Niche Nano-products and their applications by <i>Dr. Samik Hait, IOCL</i></li> </ul>
	10:00 to 11:15 AM (1.15 hr.)	<b>Session VIII - Panel discussion on Issues Related to Policy, Investments and Commercialization</b>  <b>Moderator: Dr. R.K. Malhotra, DG, FIPI</b>  <b>Panelist from :</b>  <ul style="list-style-type: none"> <li>- Mr. Sanjay Bhargava, Head R&amp;D, BPCL</li> <li>- Dr. N.V. Choudary, Scientist Emeritus, HPCL</li> <li>- Dr. Preeti Jain, Jt. Director (EP&amp;P), FIPI</li> </ul>
	11:15 to 11:45 AM (30 minutes)	<b>Tea Break</b>
	11:45 to 12:15 PM (30 minutes)	<b>Conference Brief</b>  <ul style="list-style-type: none"> <li>- Upstream by Mr. S. Rath, Director (E&amp;P), FIPI</li> <li>- Downstream by Mr. N.K. Bansal, Director (Oil Refining &amp; Marketing), FIPI</li> <li>- Midstream &amp; Emerging Technologies by Mr. Ankit Gupta, Dy. Director (Gas), FIPI</li> </ul>
	12:15 to 1:15 PM	<b>Concluding Session with CEOs / R&amp;D Heads on Road map for R&amp;D</b>  <b>Chairperson: Mr. M.A. Pathan, former Chairman, IOCL</b>  <ul style="list-style-type: none"> <li>- Dr. Simon Hobbs, UOP</li> <li>- Mr. G. Sriganesh, ED - HP Green R&amp;D Centre, HPCL</li> <li>- Dr. Anjan Ray, Director, IIP</li> <li>- Mr. M.C. Nihalani, GM (R&amp;D), OIL</li> </ul>
	1:15 to 1:30 PM	Concluding Remarks & Vote of Thanks by DG, FIPI
	1:30 PM onwards	<b>Lunch</b>