

SESSION PLAN FOR ORAL SESSIONS

Date	Time	Hall-2	Hall-4	Hall-5	Hall-6
TS-1 (5th DEC 2016)	1545 - 1745 hrs (120 Min)	Health, Safety & Environment	Hydrogen and Fuel Cell	Advances in Refining Technology-1	Drilling and Completion Technologies
TS-2 (6th DEC 2016)	0900- 1045 hrs (105 Min)	Project Management	Operational Excellence	Advances in Petrochemicals-1	Innovative Exploration and Development Methods
TS-3 (6th DEC 2016)	1100- 1230 hrs (90 Min)	Pipelines and Structural Engineering	Un- conventional Energy Sources	Advances in Petrochemicals-2	Deep & Ultra Deep Waters –New insights
TS-4 (6th DEC 2016)	1315 - 1445 hrs (90 Min)	Nanotechnol ogy Interventions in Oil & gas Sector	Make in India- Role of R&D	Advances in Refining Technology-2	Upstream production and Flow Assurance -1
TS-5 (7th DEC 2016)	1030 - 1200 hrs (90 Min)	Upstream production and Flow Assurance-2	Bioenergy and Carbon Capture-1	Catalysts – Refining Margin Acceleators-1	Development in a Constraint Environment
TS-6 (7th DEC 2016)	1215 - 1330 hrs (75 Min)	Upstream production and Flow Assurance-3	Bioenergy and Carbon Capture-2	Catalysts – Refining Margin Acceleators-2	Seismic Alternatives for Development

Invited Speaker	25 Minutes (Including Q/A)
Oral Speaker	15 minute (Including Q/A)

Hall-2, 4, 5 & 6 are in the Main Vigyan Bhawan, New Delhi

TECHNICAL SESSION -1

Health, Safety & Environment

Date : 5th December, 2016

Time : 1545 - 1745 hrs

Hall : **Hall-2**

Chairperson : **Shri Anand Kumar, Director, PETROTECH**

Co-Chairperson : **Shri V.J. Rao, ED, OISD**

Invited-1

Arunkumar Arunachalam, DNV GL, Norway

Myth: Functional safety implies having a sil rated component

Invited-2

Pradeep Singh, Plantys, USA

Next frontier in alarm management - automating action generation, action tracking, and workflow

Oral-1 (A-1203)

N.V. Baburajan, ONGC, India

HSE management at sour hydro carbon processing offshore platform with special emphasis to process safety

Oral-2 (A-1691)

Prateek Soni, Fluor Daniel, India

Virtual Reality- A new possibility to Review the 3D model in oil and gas Industry

Oral-3 (A-1972)

Prabhakar Kumar, Indian Oil Corporation Ltd., India

Crisis management and emergency planning to combat large diameter storage tank full surface fires in petroleum industries

TECHNICAL SESSION -1

Hydrogen and Fuel Cell

Date : **5th December, 2016**

Time : **1545 - 1745 hrs**

Hall : **Hall-4**

Chairperson : **Dr. R.K. Malhotra, DG Petrofed**

Co-Chairperson : **Dr. Mathew Abraham, Sr. GM, M&M**

Invited-1

Ross Bailey, Green Light Innovation, Canada

Roll out of Hydrogen fuel cell vehicles and infrastructure in North America

Invited-2

Hack Heyward, Nowogen International, Hong Kong

Methanol reforming hydrogen generators

Invited-3

Christopher Hebling, Fraunhofer Institute for Solar Energy Systems, Germany

Solar Hydrogen from water electrolysis and its usage in the fuel cell mobility and in the synthesis of liquid fuels

Invited-4

Prakash D. Vaidya, ICT, Mumbai

Improved H₂ production from biomass surrogates by reforming

TECHNICAL SESSION -1

Advances in Refining Technology-1

Date : 5th December, 2016

Time : 1545 - 1745 hrs

Hall : Hall-5

Chairperson : Shri Sanjiv Singh, Director (Ref), Indian Oil Corporation Ltd.

Co-Chairperson :

Invited-1

Sandro Macchietto, Imperial College, London

Refinery pre-heat train monitoring, predictive performance and cleaning management: Innovation pays

Invited-2

Gary M. Sieli, CB&I, USA

Emerging refining technologies and initiatives for meeting new fuel standards

Invited-3

Manuel Steiner, LIST, Switzerland

Kneader reactor technology for residual oil upgrading

Oral-1 (A-1765)

Joseph C. Gentry, GTC Technology, USA

Sulphur; Octane; and Petrochemicals

Oral-2 (A-2194)

Varun Ginotra, Axens, India

Expanding the value chain: Vertical integration of refining & petrochemicals

TECHNICAL SESSION -1

Drilling and Completion Technologies

Date : 5th December, 2016

Time : 1545 - 1745 hrs

Hall : Hall-6

Chairperson : Shri V P Mahawar, Director(Onshore), ONGC

Co-Chairperson : Shri Sujit Kumar, Schlumberger, India

Invited-1

Clifford Lang, Cairn India

'Drilling ourselves back into business'- An insight into one operators changes and innovations in order to lower costs of well construction

Invited-2

AbdulQawi Al Fakih, Schlumberger, Saudi Arabia

Driving performance improvements in drilling and completions

Invited-3

Martin Culen, Blade Energy, Canada

From concept to execution: Planning and delivering the first underbalanced drilling project in India

Invited-4

Vineet Sharma, OWS Technical Services, India

Improve drilling performance and hydraulic fracturing monitoring

TECHNICAL SESSION -2

Project Management

Date : 6th December, 2016

Time : 0900-1045 hrs

Hall : **Hall-2**

Chairperson : **Shri Ashutosh Karnatak, Director (PJ), GAIL**

Co-Chairperson : **Shri Rajeev Khanna, ED (F), IOC-R&D**

Invited-1

Navtej Garewal, AVEVA, UK
Asset assurance and integrity

Oral-1 (A-2278)

Rahul Talreja, Schlumberger, India

Geomechanics aided solutions for improving drilling and completions by integrating advance acoustics measurements: A case study from Malleswaram field, onshore KG-PG basin, India

Oral-2 (A-1723)

Bharat Bhushan, ONGC, India

Protection of vulnerable gas pipeline from severe wave and tidal forces by rerouting a section using innovative methods in a very tight schedule.

Oral-3 (A-1767)

Urvesh Shah, CAIRN, India

A case study: Installation; Commissioning and safe operation of engine driven reciprocating compressor for gas lift injection at unmanned offshore platform

Oral-4 (A-1680)

Naim Hossain, Fluor Daniel, India

Modularization: A construction & procurement driven project execution

TECHNICAL SESSION -2

Operational Excellence

Date : 6th December, 2016

Time : 0900-1045 hrs

Hall : Hall-4

Chairperson : Shri B.S. Canth, Dir (M), Indian Oil Corporation Ltd.

Co-Chairperson : Shri S.M. Vaidya, GM (I/c), MR, Indian Oil Corporation Ltd.

Invited-1

Thomas Brandén, AVEVA, UK

Operational excellence using advance technology

Invited-2

Adriaan Tange, Lloyd's Register Energy – Drilling, Singapore

PSE - An innovative solution to achieve and maintain operational integrity and excellence

Invited-3

Richard Elsdon, ROSEN Europe B.V., UK

Observations on the implementation of asset integrity management systems

Oral-1 (A-1157)

Sander Zwanenburg, Ampelmann, Singapore

Ampelmann improving reliability and safety in offshore personnel access

TECHNICAL SESSION -2

Advances in Petrochemicals-1

Date : **6th December, 2016**

Time : **0900-1045 hrs**

Hall : **Hall-5**

Chairperson : **Mr. Brijesh Kumar, ED(CHT), Indian Oil Corporation Ltd**

Co-Chairperson : **Shri A.N. Jha, ED-PC (BD), Indian Oil Corporation Ltd.**

Invited-1

Tine Rorvik, Norner, Norway

From CO₂ to Polymers -Technology status and future potential

Invited-2

Wen-Hua Sun, Chinese Academy of Sciences, China

Late-transition metal precatalysts toward ethylene oligomerization and polymerization: From bench-top experiments to pilot processes

Invited-3 (A-2170)

Siddhartha Saha, Axens, India

Feedstock options for petrochemicals: will today and tomorrow options remain the same

Oral-1 (A-2274)

Yogesh Mishra, W R Grace, USA

Ziegler-Natta PP-CONSISTA® Catalyst – First 6th

TECHNICAL SESSION -2

Innovative Exploration and Development Methods

Date : 6th December, 2016

Time : 0900-1045 hrs

Hall : Hall-6

Chairperson : Shri Atanu Chakraborty, DG-DGH

Co-Chairperson : Shri Sudhir Sharma, Director (E), OVL

Invited-1

Hemanta K. Sarma, University of Calgary, Canada

Smart Waterflooding process: A promising low-cost IOR method?

Invited-2

Andrew Webb, CGG France

A standardized approach to the economic assessment of exploration acreage with a limited dataset

Invited-3

Nikolay P. Zapivalov, Novosibirsk State University, Russia

Petroleum geology: Science and practice in the 21th centur., New ideas and paradigms

Oral-1 (A-1942)

Priyabrata Chatterjee, Cairn, India

Basin scale quantitative reservoir quality assessment for exploration a case study of lower Paleocene cretaceous sands in Barmer basin; India

TECHNICAL SESSION -3

Pipeline and Structural Engineering

Date : 6th December, 2016

Time : 1100 - 1230 hrs

Hall : **Hall-2**

Chairperson : **Shri Anish Aggarwal, Director (PL), Indian Oil Corporation Ltd.**

Co-Chairperson :

Invited-1

Peter Roberts, South Asia Gas Enterprise, VerdErg Ltd., UK

The development and application of compression-ring production testing for ultra-deepwater marine pipelines

Invited-2 (A-2361)

P. Lakshmi Narayan, DNV-GL, Norway

Cross-Country pipeline quantitative risk assessment

Invited-3

C. Kannan, Indian Oil Corporation Ltd., India

R&D efforts for enhanced pipeline operations and integrity management

TECHNICAL SESSION -3

Un- conventional Energy Sources

Date : **6th December, 2016**

Time : **1100 - 1230 hrs**

Hall : **Hall-4**

Chairperson : **Shri Sudhakar Mahapatra, Director(E&D), OIL**

Co-Chairperson : **Shri Arun Kumar, GGM, ONGC**

Invited-1

Timothy S. Collett, US Geological Survey, USA

Indian National Gas Hydrate Program Expedition 02 Technical Contributions

Invited-2

Christopher Fredd, Schlumberger, USA

Addressing basin complexity for effective exploration and development of tight and unconventional resources

Oral-1 (A-2174)

Anurag Mangal Pandey, Indian Oil Corporation Ltd., India

Integrated approach for Shale gas reservoir characterization: Montney case study

Oral-2 (A-1265)

Kutbuddin Bhatia, Halliburton, India

First successful application of NRT-mapping technology in an unconventional CSG reservoir: Learnings from central India

TECHNICAL SESSION -3

Advances in Petrochemicals-2

Date : 6th December, 2016

Time : 1100 - 1230 hrs

Hall : Hall-5

Chairperson : Shri A.M. K. Sinha, former Director (P&BD), Indian Oil Corporation Ltd.

Co-Chairperson : Shri M Venkatesh, Dir (R), MRPL

Invited-1

Mark Morgan, IHS, U.K.

'Linear Alpha Olefins - Facts, figures and future'.

Invited-2

Manu Rego, WR GRACE, USA

Leading innovations in PO catalysis

Invited-3

R. Kulkarni, LIST Technology AG, India

Solvent-free, energy-efficient polymer processing

TECHNICAL SESSION -3

Deep & Ultra Deep Waters- New insights

Date : 6th December, 2016

Time : 1100 - 1230 hrs

Hall : Hall-6

Chairperson : Shri Shashi Shanker, Director (T&ES), ONGC

Co-Chairperson : Shri Ajay Khandelwal, Reliance

Invited-1

John R. Dribus, Schlumberger, USA

Risk analysis of deep water turbidite plays using seismic data

Invited-2

Nikhil Khurana, GE, India

Next gen digital industrial technologies as applicable to oil & gas industry

Oral-1 (A-1844)

Nishant Kumar, Reliance Industries Limited, India

Drill stem test challenges and best practices: Examples from deepwater India

Oral-2 (A-1557)

Simanta Hazarika, ONGC, India

Impact of riser profile on multiphase flow in flowline-riser system of a deep water oil field in KG basin of India

TECHNICAL SESSION -4

Nanotechnology Interventions in Oil & Gas Sector

Date : 6th December, 2016

Time : 1315 - 1445 hrs

Hall : **Hall-2**

Chairperson : **Shri R Suresh, ED (I/C) -R&D, Indian Oil Corporation Ltd.**

Co-Chairperson : **Dr. N.V. Choudary, Scientist Emiretus, HPCL-R&D**

Invited-1

SSV Ramakumar, Indian Oil Corporation Ltd., India

Nanointerventions in Petroleum sector including alternative energy sector

Invited-2

Praveen Gosain, Corning Reactor Technologies, India

Nano particle synthesis and industrial applications of corning advanced flow reactor technology

Oral-1 (A-1757)

Dipesh Nihalani, GSPC. India

An experimental study to evaluate the potential of hydrophilic silica nanoparticle to form in-situ emulsion in presence of co-surfactant

Oral-2 (A-2244)

Dr. Atindra Shukla, Shah-Schulman Center of Surface Science and Nanotechnology, Gujarat, India

Experimental investigation on stability of silica nanoparticle dispersion at reservoir condition

TECHNICAL SESSION -4

Make in India- Role of R&D

Date : 6th December, 2016

Time : 1315 - 1445 hrs

Hall : Hall-4

Chairperson : Dr. SSV Ramakumar, Dir (R&D)-Designate, Indian Oil Corporation Ltd.

Co-Chairperson: Ms. Vartika Shukla, ED,EIL

Invited-1

Raghu Yabaluri, Deloitte Touche Tohmatsu, India

Making “Make in India” for oil & gas a reality by strengthening 5 foundational areas – Regulatory, Technology, Skills, Financing & Infrastructure

Invited-2

Ajay Deshpande, ENGINEERS INDIA LTD., India

Make in India – Indigenizing technology and plant hardware in hydrocarbon industry

Invited-3

Sujit Kumar, Schlumberger, India

Make in India – past, present and future

TECHNICAL SESSION -4

Advances in Refining Technology-2

Date : 6th December, 2016

Time : 1315 - 1445 hrs

Hall : Hall-5

Chairperson : Shri C Manoharan, Director (Refinery), Essar Oil

Co-Chairperson : Shri B.V. Ramagopal, ED-I/c, PR, Indian Oil Corporation Ltd.

Invited-1

Bharat Goenka, SHELL, USA

Frontiers in Refining & Petrochemical Technologies

Invited-2

Soumendra Banerjee, HITC, UOP, India

Opportunity of the IIOT, data monetization, privacy, and security and its significance in the oil and gas industry and Honeywell's perspective

Invited-3

D. Bhattacharya, Indian Oil Corporation Ltd.

Maximizing light olefins through Indmax technology

TECHNICAL SESSION -4

Upstream Production and Flow Assurance-1

Date : 6th December, 2016

Time : 1315 - 1445 hrs

Hall : Hall-6

Chairperson : Shri T K Sengupta, Director (Offshore), ONGC

Co-Chairperson : Shri Jayakrishnan G Kurup, Artificial Lift Manager,
Baker Hughes

Invited-1

....., Venezuela

Secondary recovery by water injection in the reservoirs

Invited-2

Lars Evensen, NORNER, Norway

Advanced materials for O&G

Invited-3

Tim Bellion, KBC Advanced Technologies, U.A.E.

Production and flow improvements of asphaltene and waxy crudes

TECHNICAL SESSION -5

Upstream Production and Flow Assurance-2

Date : 7th December, 2016

Time : 1030 - 1200 hrs

Hall : **Hall-2**

Chairperson :

Co-Chairperson : **Sh. Rajesh Kakkar, ED, ONGC**

Invited-1

Alfredo Mendez, Baker Hughes, U.A.E.

A quantum leap on hydraulic fracturing channel designs

Invited-2

Karthik Annadorai, GATE Inc, USA

Full spectrum solution to pipeline blockage remediation and mitigation

Oral-1 (A-1282)

U. K. Jain, ONGC, India

Flow assurance challenges and innovative chemical solutions for deep water oil field development; A case study of eastern off-shore area; India

Oral-2 (A-1192)

P.K.Mahato, ONGC, India

Development of novel FHGG; A Viscosifier advantageous over existing gelling agent for hydraulic fracturing: An integrated laboratory and case studies of Indian reservoirs

TECHNICAL SESSION -5

Bioenergy and Carbon Capture-1

Date : 7th December, 2016

Time : 1030 - 1200 hrs

Hall : Hall-4

Chairperson : **Dr. Varsha Joshi, JS, MNRE**

Co-Chairperson : **Shri P. Padmanabhan, Managing Director, NRL**

Invited-1

Stanley J. Frey, UOP, USA

Managing the dual challenge of low cost and low carbon transportation fuel

Invited-2

D.K. Tuli, IOC-DBT, India

Cellulosic ethanol- Indian Perspective

Invited-3

Alan Del Paggio, SHELL, USA

IH2 Technology- Preparing for scale

TECHNICAL SESSION -5

Catalyst- Refining Margin Accelerators-1

Date : 7th December, 2016

Time : 1030 - 1200 hrs

Hall : Hall-5

Chairperson : Dr. M. O. Garg, Former Director, IIP-Dehradun

Co-Chairperson : Shri U.Venkata Ramana, Director(T), CPCL

Invited-1 (A-1118)

Martin Evans Johnson Matthey, USA

New insights into Hydrogen transfer impact on ZSM-5 chemistry

Invited-2

Alessandro Riva, Albemarle, USA

Flexible, robust catalyst solutions for FCC pretreatment and middle distillates Hydrotreating

Invited-3

Joris Thybaut, Ghent University, Belgium

Opportunities for automation in the microkinetic assessment of complex reactions: From conventional to renewable feeds

TECHNICAL SESSION -5

Development in a Constraint Environment

Date : 7th December, 2016

Time : 1030 - 1200 hrs

Hall : Hall-6

Chairperson : Shri P K Rao, Director(Ops), OVL

Co-Chairperson : Shri Sidharth Sur, ED, ONGC

Invited-1

Javier Franquet, Baker Hughes, U.A.E

Multi-stage hydraulic fracturing design in horizontal wellbores drilled in tight formations

Invited-2

Jay Kapadia, Quanta Process Solutions, India

Integrated planning for development of Oil & Gas fields

Oral-1 (A-1350)

Nandini Nag Choudhury, Cairn, India

Discovery to development of Guda - A case study of marginal field development

Oral-2 (A-1747)

Saurabh Pandey, ONGC, India

Development of Cluster-7 marginal field; A case history of Mumbai offshore ;Approach; Challenges and best practices

TECHNICAL SESSION -6

Upstream Production and Flow Assurance-3

Date : 7th December, 2016

Time : 1215 - 1330 hrs

Hall : **Hall-2**

Chairperson : **Shri P K Sharma, Director(Ops),OIL**

Co-Chairperson : **Shri Yash Malik, ED, ONGC**

Oral-1 (A-1665)

Abhishek kumar Gupta, Cairn, India

Diagnosis of downhole sensor data for well test interpretation in PCP wells

Oral-2 (A-1057)

Meeta Lavania, The Energy and Resources Institute, India

Potential of viscosity reducing thermophillic anaerobic bacterial consortium TERIB#90 in upgrading

Oral-3 (A-1595)

Saurabh Anand, Cairn India

Optimization of Hydro-fracturing fluid for enhanced well performance in deep volcanic gas reservoir

Oral-4 (A-1420)

Abhishek Thakur, ONGC, India

Monitoring SRP through open source technology

TECHNICAL SESSION -6

Bioenergy and Carbon Capture-2

Date : **7th December, 2016**

Time : **1215 - 1330 hrs**

Hall : **Hall-4**

Chairperson : **Dr. Anjan Ray, Director, IIP-Dehradun**

Co-Chairperson : **Dr. Arvind Lali, Head, DBT-ICT Centre for Energy**

Biosciences

Oral-1 (A-2152)

Shveta Soam, Indian Oil Corporation Ltd., India

Life cycle assessment of green house gas (GHG) emissions and energy use during second generation ethanol production using steam explosion pretreatment

Oral-2 (A-1777)

Vineet Bakshi, ENIGEERS INDIA LTD., India

Gasification & LNG Integration: Alternate feedstock options & value-addition opportunities - Case study

Oral-3 (A-1565)

Dharmesh Mahajan, Honeywell UOP, India

FCC Co-processing of biomass-derived liquid to produce renewable fuels - An attractive alternative to ethanol blending for refiners

Oral-4 (A-1709)

Ajay Kumar Arora, Indian Oil Corporation Ltd., India

Carbon dioxide a potential feedstock for production of value added chemicals

TECHNICAL SESSION -6

Catalyst- Refining Margin Accelerators-2

Date : 7th December, 2016

Time : 1215 - 1330 hrs

Hall : Hall-5

Chairperson : Shri V. S. Shenoy, Director (R), HPCL

Co-Chairperson : Shri M. Pramanik, ED (Digboi Ref), Indian Oil Corporation Ltd.

Invited-1

MK Prabhu, Indian Oil Corporation Ltd., India

Latest development in Fluid catalytic cracking catalyst additive technology

Oral-1 (A-1490)

Chiranjeevi T, BHARAT PETROLUUM CORPORATION LTD., India

Characterization and evaluation of clay adsorbent materials for removing olefins from aromatic hydrocarbon streams in a refinery

Oral-2 (A-1748)

A K Sinha, IIP, Dehradun, India

Improved Hydroprocessing using novel Sulfur resistant Pt@SOD incorporated inside conventional sulfided catalyst

TECHNICAL SESSION -6

Seismic Alternatives for Development

Date : 7th December, 2016

Time : 1215 - 1330 hrs

Hall : Hall-6

Chairperson : Shri A K Deivedi, Director(E), ONGC

Co-Chairperson : Shri B Anantha Krishanan, Director(E), CAIRN

Oral-1 (A-1865)

Parinay Jain, Cairn, India

Emerging Syn-rift play de-risked by broadband processed seismic imaging in Krishna sub-basin

Oral-2 (A-1837)

Priyanka Bhattacharjee, CGG Services, India

3D Wide azimuth land seismic processing experience in India

Oral-3 (A-1585)

B. S. Haldia, ONGC, India

Mapping of diagenetic corridor using well logs for inferring migration paths in carbonate reservoirs of middle pays of D1 field - A case study

Oral-4 (A-2260)

Manish Kumar Singh, Schlumberger, India

Validation of high resolution stochastic inversion through dynamic reservoir simulation: A Case study from Upper Assam Basin, India