



*Third Edition of*  
International Conference on  
**PETROLEUM, HYDROGEN & DECARBONIZATION**  
**(ICPHD 2025)**

Advances, Challenges & Opportunities for Sustainable Future

November 07-09, 2025 (Friday-Sunday) || RGIPT, Jais, Amethi



[www.icphd2025.com](http://www.icphd2025.com)



Organized by



विद्यारत्नम् महोदयम्

**Department of Petroleum Engineering and Geoengineering**  
Rajiv Gandhi Institute of Petroleum Technology



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## Welcome Note & About ICPHD 2025 Conference

Welcome to the 3rd Edition of the International Conference on Petroleum, Hydrogen, and Decarbonisation

Organized by RGIPT Jais, this conference brings together leading experts, researchers, and industry pioneers to explore cutting-edge developments in the fields of petroleum, hydrogen, and decarbonisation. As we navigate an era marked by the urgent need for sustainable energy solutions, this year's theme—Advances, Challenges & Opportunities for a Sustainable Future—focuses on the critical role these industries play in shaping a low-carbon world.

Over the course of this conference, we aim to highlight recent innovations, tackle the challenges impeding progress, and discuss the vast opportunities for creating a sustainable energy future. Through insightful discussions, collaborations, and knowledge sharing, we are determined to contribute to the global transition towards a cleaner, greener, and more resilient energy landscape.

We invite you to engage, learn, and collaborate, as we collectively move toward a future powered by advanced technologies, innovative solutions, and a commitment to sustainability.

### Highlights of the Conference



Panel Discussion  
by Eminent Industry  
Experts and  
Academics



Keynote  
Sessions



Paper &  
Poster  
Presentations



Best Paper  
Presentation  
Award



Best Poster  
Presentation  
Award



Networking  
and  
Branding

### Who should attend?

- 🔥 Researchers from Universities and R&D Institutes
- 🔥 Oil & Gas Exploration and Production Experts
- 🔥 Drilling Professionals & Technologists
- 🔥 Reservoir Engineers
- 🔥 Process & Production Engineers
- 🔥 Laboratory/testing specialists
- 🔥 Design & Operation Engineers
- 🔥 Asset Managers and Operators
- 🔥 Software specialists for the Digital Oil field
- 🔥 Other relevant professionals

## Conference Theme

### Decarbonisation and Global Sustainability

- Decarbonisation and Climate Technologies
- Carbon Capture, Storage, and Utilisation
- Methane Management and Mitigation
- Storage Resource Management
- Electrification and Decarbonisation of Existing Operations
- Low-Carbon Petroleum Products: Advances and Innovations

### Efficient Drilling and Completion Technologies

- Drilling Technology
- Wells Construction and Completion Technology
- Cementing and Drilling Fluids
- HPHT and Deep-Water drilling

### Flow Assurance

- Fluid Characterization and Transport
- CO<sub>2</sub> transport
- High CO<sub>2</sub> and Contaminated Fields
- Asphaltenes and Wax Mitigation
- Crude Oil Emulsification/Demulsification
- Scale Mitigation
- Corrosion Management

### Health, Safety, Environment (HSE) and Social Responsibility

- Operational HSE
- Minimising Environmental Discharge
- Environmental Stewardship and Sustainability
- Emergency Response and Recovery
- Sensors and Measurements for Environmental Hazards
- Digitalisation in HSE - Remote Inspection, Automation

### Hydrogen: Production, Storage, Transportation and Utilization

- Hydrogen Production
- Hydrogen Storage
- Hydrogen Transportation
- Hydrogen Utilization
- Hydrogen Policy, Economics and Safety

### Geophysics and Geotechnical Engineering

- Seismic Exploration and Interpretation
- Gravity and Magnetics
- Borehole Geophysics and Logging Techniques
- Near Surface Geophysics
- Rock Mechanics
- Remote Sensing and GIS in Geosciences

### Reservoir Engineering and Technologies

- Reservoir Characterisation and Modelling
- Reservoir Simulation
- Reservoir Modelling/Surveillance Technology
- Oil and Gas Field Development
- Flow through Porous Media
- Rock-fluid Interactions

### Improved or Enhanced Oil Recovery (IOR/EOR)

- Thermal EOR
- Chemical EOR
- Gas Injection Techniques
- Microbial EOR
- Emerging Technologies in EOR

### Project Management, Economics, and Contracting

- Project Economics
- Field Development Planning, Strategies, and Methodologies
- EPC Project Management
- Governance, Policy and Regulations

### Petroleum Geoscience

- Petroleum Geochemistry and Geology
- Sedimentology & Stratigraphy
- Structural Geology and Basin Analysis
- Core Sampling & Characterisation

### Petroleum Production Operations

- Integrated Operations
- Artificial Lift
- High CO<sub>2</sub> and Contaminated Fields
- Production Maintenance and Chemistry
- Subsea Production and Processing System
- Water Shut-off operations
- Sustainable Produced Water Management
- Workover & Well Stimulations

### Unconventional Energy Resources

- CBM and Shale
- Gas Hydrates
- Geothermal Energy Resources and Utilization
- Natural Hydrogen
- Fracturing
- Emerging Technologies









### Digitalization and Optimization of Oil & Gas Field operations

- Data Science/Big Data
- Automation and Digital Operation
- Remote Operations
- AI and Machine Learning
- Smart Field Technologies
- Digital Operations/Oilfields
- Computational Fluid dynamics

### Energy Integration and Transition

- Global Energy Transition Outlook and Future
- Renewable Energy Integration in O&G
- Policy Regulation and Market Trends
- Investment, Economics, and Workforce Development

## Schedule

	June 15, 2025	Abstract Submission Starts
	August 30, 2025	Abstract Submission Closes
	September 15, 2025	Notification of Acceptance/rejection (on or before)
	November 01, 2025	Final Registration Deadline for authors/Delegates
	To be announced	Pre-conference Workshop
	November 07, 2025	Inauguration
	November 09, 2025	Valedictory
	December 07, 2025	Full Paper Submission (on call basis)

## Abstract Submission & Registration

Authors are requested to submit their abstracts in the given format.

**Title:** Times New Roman; 14 Font, Bold

**Author:** Times New Roman; 12 Font, Bold

**Affiliations:** Times New Roman; 11 Font, Bold, Italic

**Abstract:** Times New Roman; 12 Font, 300 – 400 words

**Keywords:** Times New Roman; 11 Font, Italic, 3-5 Number of keywords

**Paragraph:** 1.5 spacing

**Margin:** Normal

**Format:** MS Word- compatible file

Selected abstracts may be provided the opportunity to publish a full-length paper in a reputed journal/proceedings.

Abstract Submission  
Link:



## Registration Fee

Delegate Type	Indian (including GST) (INR)		International (USD)
	On or before October 15, 2025	After October 15, 2025	
Industrial	₹ 14,160/-	₹ 15,576/-	200
Start-up Companies/ R&D Labs	₹ 11,800/-	₹ 12,980/-	150
Academicians	₹ 8,260/-	₹ 9,086/-	120
Post-Doc, PhD, & PG Students	₹ 4,720/-	₹ 5,192/-	50
UG Students	₹ 2,360/-	₹ 2,596/-	30

The registration fee can be remitted in the following account:

**A/c Name:**

Rajiv Gandhi Institute of Petroleum Technology

**A/c No.:**

59480100000382

**IFSC:** BARBOJAICAM

**Bank Name:**

Bank of Baroda, RGIPT Jais Campus MICR: 227012204

## Organizing Committee Invites Sponsors and Exhibitors for the ICPHD 2025!

Organizations and industry leaders are invited to partner with us as sponsors and exhibitors for this prestigious event. Please contact us at [icphd@rgipt.ac.in](mailto:icphd@rgipt.ac.in) for more information

**Diamond**  
**5 Lacs**

**Gold**  
**2.5 Lacs**

**Silver**  
**1 Lacs**

### Exhibition Stall

Diamond	Gold	Silver
150 sq. ft.	100 sq. ft.	50 sq. ft.

### Complementary Registration

Diamond	Gold	Silver
8 delegates	4 delegates	2 delegates

### Advertisement in Conference Abstract Book

Diamond	Gold	Silver
One & Half A4 page	One A4 full page	Half A4 page

**Company's name and logo will be displayed in the conference website, brochure and banners**

### Exhibition Booth

**100 sq. ft.**  
**Rs. 50,000/-**

**50 sq. ft.**  
**Rs. 30,000/-**

### Advertisement in Abstract Book

Back Cover (Colour)	Inside Front Cover	Inside Back Cover	Inside Full Page	Inside Half Page
70,000 INR	50,000 INR	40,000 INR	30,000 INR	15,000 INR

### Sponsorship for Meal

Tea Break	High Tea	Conference Breakfast	Conference Lunch/Dinner	Gala Dinner
25,000 INR/ Session	50,000 INR/ Session	50,000 INR/Day	1,00,000 INR/Day	1,50,000 INR

### Sponsorship for Delegate Kit/Conference Sessions

Delegate Kit*	Plenary Lectures/ Keynote Session	Oral presentation Session	Poster Presentation Session	Gala Dinner
50,000 INR	50,000 INR per session	40,000 INR per session	20,000 INR per session	1,50,000 INR

**\* Company logo to be printed on every delegation kit and the conference website alongside other sponsors**



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### **The Institute**

The Ministry of Petroleum and Natural Gas (MoPNG), Government of India, set up the Rajiv Gandhi Institute of Petroleum Technology at Jais, Amethi, Uttar Pradesh, by an Act of the Parliament. The institute has accorded the status of an Institution of National Importance along with the lines of the Indian Institutes of Technology (IITs). The institute is empowered to award degrees in its own right and is co-promoted as an energy domain specific institute by six leading oil public sector units (Oil and Natural Gas Corporation Limited, Indian Oil Corporation Limited, Oil India Limited, Gail (India) Limited, Bharat Petroleum Corporation Limited and Hindustan Petroleum Corporation Limited) in association with the Oil Industry Development Board. The institute is associated with the leading International Universities/Institutions specializing in the domain of Petroleum Technology and Energy Sector.

The prime objective of the institute is to provide excellent education, training, and research to roll out efficient human resources, and to meet the growing requirements of the Petroleum and Energy industry. The institute is offering a number of Bachelor's and Master's Degree Programmes, Postgraduate Diploma Courses and Doctoral Programmes in Science, Engineering, Mathematics and Management.

### **Department of Petroleum Engineering and Geoengineering**

The department is focused on facilitating the flow of knowledge in the domain through its advanced pedagogy and state-of-the-art research facilities to the students. It enables them to understand, develop and apply the knowledge gained in the fields of Geology, Geophysics, Reservoir, Drilling, Production Operations, and Economics required in the Petroleum Industry. The department hosts a number of laboratories for undergraduate studies and research in Reservoir Engineering, Drilling Fluid design and analysis, Enhanced oil recovery, Flow assurance, Reservoir modelling and simulation, Gas Hydrates, Geology, Geophysics, and Rock mechanics.