



Hydrogen Energy and Sustainability 2025 (HES2025)



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Department of Chemical Engineering and Technology
Indian Institute of Technology (BHU) Varanasi
221005



10th - 12th October 2025



**Paper & Poster
Presentations**



**Start-up Showcase
& Exhibition**



Panel Discussion



**Networking &
Branding**



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Welcome to HES 2025

The International Conference on **Hydrogen Energy and Sustainability 2025** is a premier global event that aims to explore innovative, clean, and scalable energy solutions for a sustainable future. As the world faces unprecedented environmental challenges, this conference seeks to bring together visionaries, researchers, practitioners, and policymakers to address climate change, energy security, and sustainable development.

At the heart of the conference is hydrogen — a versatile and clean energy carrier that holds promise in decarbonizing major sectors such as power generation, transportation, industry, and infrastructure. Alongside hydrogen, the conference also embraces broader themes in sustainability and circular economy. These include advanced technologies for material recycling, converting industrial and agricultural waste into high-value fuels and chemicals, and integrating renewable energy sources like solar, wind, and biomass into modern energy systems.

Conference Theme



Hydrogen Production



Hydrogen Storage



Hydrogen Transportation



Renewable integration



Waste to Energy



Safety & Skilling



Hydrogen Policy and Energy Management



Hydrogen End-Application



Mobility Solutions

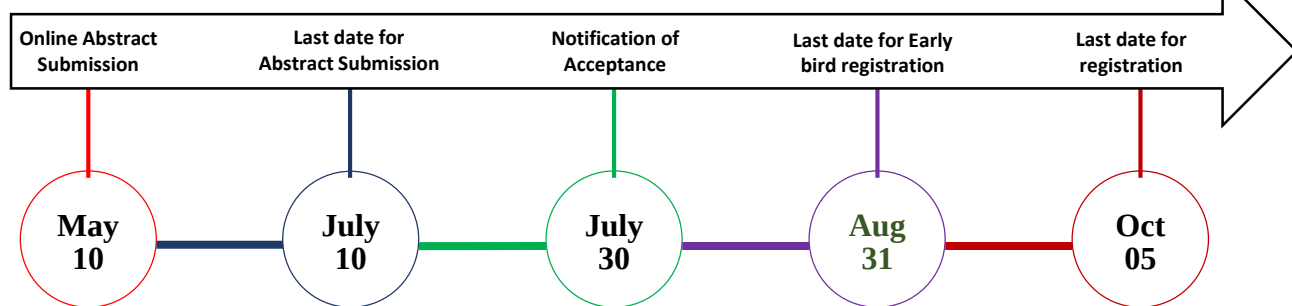


CO₂ Capture and Utilization



Futuristic Technology

Important Dates





Registration

CATEGORY	EARLY BIRD REGISTRATION	LATE REGISTRATION
Industry Delegate	Rs.15000 (\$ 200)	Rs.20000 (\$ 300)
Faculty/Scientist	Rs.8000 (\$ 150)	Rs.10000 (\$ 200)
PG/PhD/Postdoc	Rs.3500 (\$ 70)	Rs.5000 (\$ 90)
Undergraduate Student	Rs.2000 (\$ 50)	Rs.3500 (\$ 70)
Accompanying Person	Rs.4000 (\$ 80)	Rs.5000 (\$ 90)

Sponsorship & Exhibition

Platinum 7,00,000 INR ✓ Registration: 6 delegates	Gold 5,00,000 INR ✓ Registration: 4 delegates	Silver 3,00,000 INR ✓ Registration: 2 delegates
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Hydrogen Energy and Sustainability (HES 2025)



Plenary Speakers



Dr. Vijay Kumar Saraswat
Hon'ble Member, NITI Aayog



Prof. K.K. Pant
Director IIT Roorkee



Prof. Sukumar Mishra
Director IIT (ISM) Dhanbad



Prof. Shantanu Roy
Executive Director
IIT Delhi-Abu Dhabi



Prof. R.R. Sonde
IIT Delhi, BITS Goa



Prof. Neeraj Rai
Mississippi State University, USA



Prof. Vishnu Pareek
Curtin University, Australia

Keynote Speakers



Shri Abhay Bakre
Mission Director, MNRE



Dr. Anirudh Gautam
Center for Railway Research



Mr. Anurag Pandey
Business Head, Reliance



David Cassedy
CEO, Clean Hydrogen Technology, USA



Dr. Ranjith Krishna Pai
Senior Director, DST



Prof. Pratibha Sharma
IIT Bombay



Dr. Ram Ratan Ratnakar
Shell, USA



Dr. Sujay Karmakar
Chief General Manager, NTPC



Prof. Sebastian Peter
JNCASR, Bangalore



Mr. Om Prakash Verma
Prism Johnson Ltd.



Siddharth Mayur
Founder & MD h2e



Prof. Pankaj Tiwari
IIT Guwahati



Prof. Amit Garg
IIM Ahmedabad



Dr. Ashish Pandey
Clean Energy Innovation, Canada



Dr. Swapna Rabha
IIT Madras



Prof. Lingaiah Nakka
IICT Hyderabad



Prof. Vimal C. Srivastava
IIT Roorkee



Prof. Jitendra Sangwai
IIT Madras



Prof. Sasidhar Gumma
IIT Tirupati



Prof. Amit Kumar
IIT Guwahati



Dr. Arvind Chandiran
IIT Madras



Prof. Saroj Kumar Nayak
IIT Bhubaneswar



Prof. Ajay Kumar Dalai
University of Saskatchewan, Canada



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