

# Advancements in Hydrogen and Ammonia for Green Energy Transition

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**September 22–26, 2025**  
**IIT Bombay, India**

## Conveners

**Prof. Sudarshan Kumar – IIT Bombay**

Micro combustion, flameless combustion, MILD combustion, Emission reduction

**Prof. Salvatore Iavarone – Centrale Sup lec**

Uncertainty Quantification, CFD, Combustion modeling



## Coordinators

**Dr. Paramvir Singh – NIT Agartala**

**Dr. K Narayanan – HPCL Green R&D Centre**

## Workshop Tracks

- Gas-Phase Reaction Kinetics
- Flame Dynamics and Transport Processes
- Turbulent Flames, Detonation, Explosion
- Supersonic Combustion
- Numerical Combustion
- Low-Carbon Technologies

This workshop aims to strengthen Indo-French academic and industrial collaboration in the field of decarbonized combustion, focusing on hydrogen and ammonia as sustainable alternative fuels for a low-carbon future

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