



# 2<sup>nd</sup> Global Conference on Decarbonizing India (GCDI '25)

Towards Achieving Net Zero

National Institute of Technology Calicut

March 4 - 8, 2025 , NIT Calicut



## Workshop Schedule

Day 1: 4 <sup>th</sup> March, 2025			
08:00-09:00		Registration	
	09:00-10:00	Inauguration	
1	10:00-10:30	Session 1:	Prof.Jayanta Kapat, University of Central Florida
		Topic:	Energy Transition - Towards Lower Emissions while achieving Energy Independence
10:30-10:50		Discussion on Tea/Snacks Break	
2	10:50-11:40	Session 2:	Prof. S L Sinha, NIT Raipur
		Topic:	Energy Systems and Modelling: A new Frontiers
3	11:40-12:20	Session 3:	Dr. Sunita Deb, NIT Andhra Pradesh
		Topic:	Porous Media Combustion - A Pathway to Sustainable Cooking and Cleaner Future
12:20-13:20		Lunch Break	
4	13:20-14:10	Session 4:	Dr. Afzaal Ahmed, IIT Palakkad
		Topic:	Embrittlement in hydrogen storage materials
5	14:10-15:00	Session 5:	Dr. Subith Vasu, University of Central Florida
		Topic:	Supercritical CO2 Oxy Combustion for zero-carbon Power
6	15:00-15:50	Session 6:	Dr. Vinod Kumar Sharma, NIT Calicut
		Topic:	Hydrogen for Future Energy Applications
15:50-17:00		Visit to Patent Mela with Tea/Snacks	
17:00-17:30		Visit to Research Facilities	



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Day 2: 5th March, 2025			
1	9:00-09:50	Session 7:	Dr.Ramees K Rahman, University of Central Florida
		Topic:	Ammonia as a fuel for aviation
2	09:50-10:40	Session 8:	Dr. Naomi Boness, Managing Director, Natural Gas Initiative, Stanford University
		Topic:	Overview of Hydrogen, Natural Gas and CO2 Capture Technolgies
10:40-11:00		Discussion on Tea/Snacks Break	
3	11:00-11:50	Session 9:	Prof. Tangellapalli Srinivas, NIT Jalandhar
		Topic:	Studies on Solar Thermal Polygeneration Systems
4	11:50-12:40	Session 10:	Mr.Santosh Kumar Gurunath, Umegine
		Topic:	Green Hydrogen Economy - Soaring High OR Crash Landing?
12:40-13:40		Lunch Break	
4	13:40-14:30	Session 11:	Dr. Samarjeet, IIT Palakkad
		Topic:	Phase Change Materials and their application to thermal management
5	14:30-15:20	Session 12:	Dr. Arun Muley, Boeing Research and Technology, USA
		Topic:	
15:20-15:40		Discussion on Tea/Snacks Break	
6	15:40-17:00	Session 13:	Dr. Deepa SN, NIT Calicut
		Topic:	AI/ML based Predictive Models for Renewable Energy Applications
7	17:00-17:30	Valedictory Function	