

Global Conference on Decarbonizing India

ENSURING SUSTAINABILITY FOR GENERATIONS



Venue

Date :
15 - 16 December 2023

1st Day : Le Meridien, CBE
2nd Day : PSG College of Technology, CBE



Organised by

Dr T Prabu

PSG College of Technology Coimbatore, India

Dr S Sankaran

Indian Space Research Organization (ISRO), India

Dr Satyanarayanan Seshadri

Head, Energy Centre and Energy Consortium, IIT Madras

Dr Jayanta Kapat

University of Central Florida, USA

Dr G (Subbu) Subbaraman

GTI Energy, USA

About the Conference

India is emitting 2.9 GtCO₂ e (4.9% of global emissions) annually as the third largest emitter with 1.8 tons CO₂ e per capita emission. As the Indian economy is growing, it has to carefully plan and execute its economic growth while achieving its decarbonizing goals. Power, automotive, aviation, steel, cement and agriculture are the major sectors contributing to around 70% of India's overall emissions. It is to be expected that India could get to its net-zero-by-2070 commitment through technology developments over the next decades. As per the recent (2022) McKinsey report, over three-fourths of the industry in the India of 2050 (and 80+ percent of the India of 2070) are yet to be built. If policies are set in place to create the right demand signals within this decade, then the capacities India adds in the two decades thereafter will be low carbon ones. India may need an estimated US\$7.2 trillion of green investments until 2050 to decarbonise. The technological advancement on improved capture technologies, newer recycling technologies and ocean-based carbon sequestration will help in achieving net zero potential.



Call for Papers

Participants from academia, R & D organizations and industries are invited to submit original and unpublished full research papers on the following topics, but not limited to :

- Energy efficient design of power plant systems
- Solar Energy for Power Generation
- Offshore Wind Generators
- Energy Storage Systems
- Pumped Storage Power plants
- Smart Grids, Decentralised power grids
- Carbon Tax
- Emission Trading Systems
- Roof top Solar PV Systems
- Carbon Capture Technologies
- Reducing emission intensity of steel and cement production
- Cost of CO₂ abatement
- Energy Efficiency of Steel and cement plants
- Energy recovery systems and technologies
- Use of green hydrogen as fuel, Gas recycling blast furnace and smelting reduction
- Production of composite cement using slag and fly ash
- Carbon capture technologies
- Switching to lower carbon fuels and fuel mix
- Improving Vehicle efficiency
- Electrical Vehicles and Renewable Energy
- Battery Charging
- Public Transport Systems
- Water transport systems
- Bio energy from agriculture waste
- Solar Energy pumps and devices
- Micro irrigation and Automation
- Farm equipments and performance
- Energy transition in the process of reducing GHG emissions to net zero
- Products to store carbon
- Transition from linear to circular economy: Batteries
- Battery recommissioning and disassembly processes
- Electrical vehicles and wind power systems
- Novel solvant systems to recover CRMS from waste
- New green technologies for hydrogen production,
- Hydrogen as an alternative fuel
- Redesign of systems for hydrogen fuel
- Economics and efficiency

Publications

All the extended abstracts presented will be published in proceedings of GCDI-2023 with ISBN number & selected papers will be referred for publication

Sponsorship

Sponsorship of GCDI-2023 conference is invited



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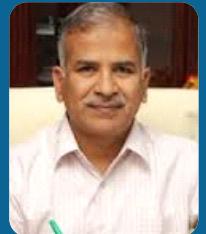
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Professor,
University of Central Florida, USA



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Chief General Manager,
Indian Space Research Organization



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Head Energy Centre and
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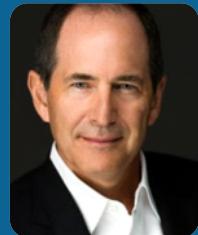
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Registration Fee

	Before 10th Nov 2023	After 10th Nov 2023
Industry	₹ 10000	₹ 12000
Academic Institute	₹ 7500	₹ 9500
Students / Research Scholar for two days	₹ 5000	₹ 7000
*Students / Research Scholar for 16th Dec 2023 alone	₹ 2500	₹ 4000
Add 18% GST to the above fees		

Important Dates

Abstract Submission Opens	July 03, 2023
Registration Opens	September 04, 2023
Early Bird Ends	November 10, 2023
Conference	December 15-16, 2023



Address for Correspondence

Hostel / Guest House,
Accommodation booking, contact :

R. Shanthamani

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For more details, psgtech.edu/gcdi2023

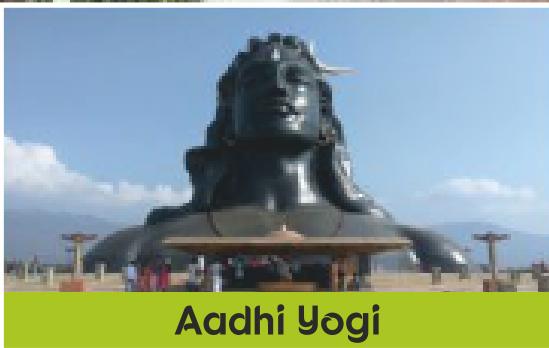
Attractions in and around Coimbatore



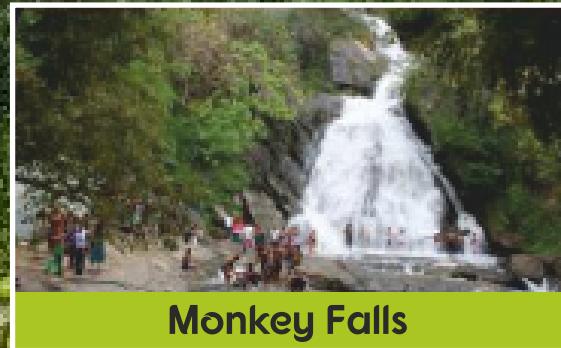
Perur Temple



Maruthamalai Temple



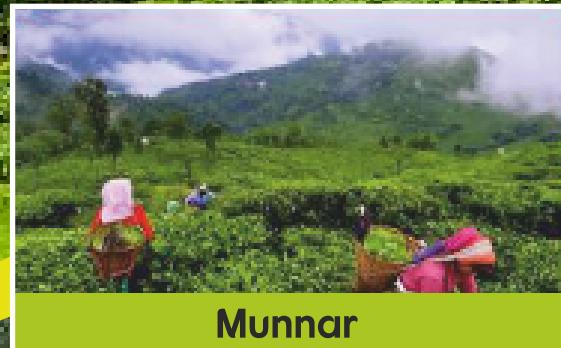
Adhi Yogi



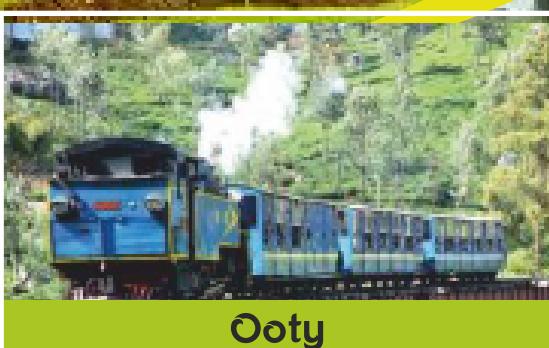
Monkey Falls



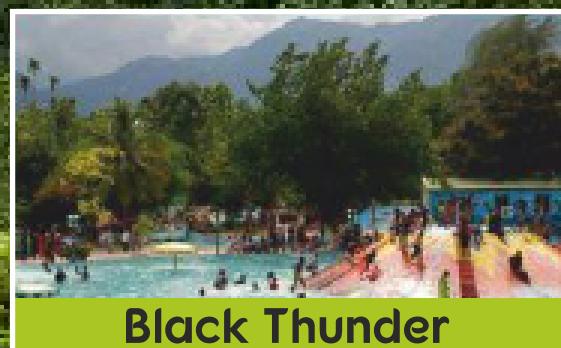
Kovai Kutralam



Munnar



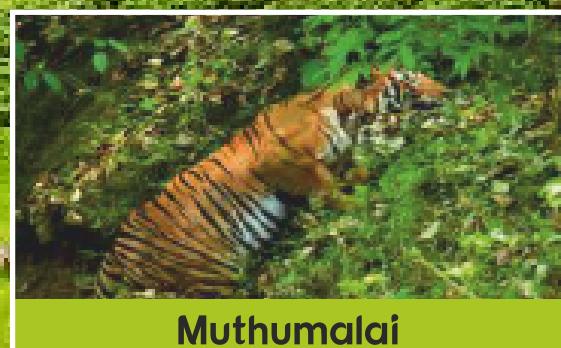
Ooty



Black Thunder



Top slip



Muthumalai