

KEY SPEAKERS



Mahesh Panchagnula
IIT Madras



Sarma V. Pisupati
Penn State



Samrat Deka
SRD Industries



Satyanarayanan S
IIT Madras



Ashok Sethuraman
Accredited Energy Auditor



Devendra Deshmukh
IIT Indore



Mani Bhushan
IIT Bombay



Naran Pindoriya
IIT Gandhinagar



Ranajit Mondal
IIT Hyderabad



Sadhan Mahapatra
Tezpur University



Shirin Kujur
TVS Motor Company



Subrata Chakrabarti
ISRO



Tarak Mondal
IIT Ropar



R. Anandalakshmi
IIT Guwahati

REGISTRATION FEES

Indian Student: ₹ 4,000
Indian Delegate: ₹ 6,500
Corresponding Author: ₹ 6,500
Non-Corresponding Author: ₹ 4,000
Foreign Delegate: 150 USD
Online Participation: ₹ 2,000

An additional fee of ₹1500 for in-person and ₹1000 for online registration will apply after May 15, 2025.

The registration fee includes 18% GST. Accommodation at Institute's Guesthouse and Hostels is available for a fee. Limited Accommodation

IMPORTANT DATES

Abstract Submission Deadline	May 25, 2025
Registration Deadline	May 30, 2025
Accommodation Request Deadline	May 30, 2025
Conference Dates	June 13 - 14, 2025
Acceptance Date	Within a week of submission

CONVENOR



Dr. R. Anandalakshmi
Department of Chemical Engineering
Indian Institute of Technology Guwahati



+91 86381 52674



ecm25@iitg.ac.in



<https://event.iitg.ac.in/ecm25/>



Department of Chemical Engineering,
IIT Guwahati, Guwahati - 781039



For additional details
and recent updates



INTERNATIONAL CONFERENCE

on

ENERGY & CARBON MANAGEMENT

CASE STUDIES, PROGRESS & FUTURE DIRECTIONS

ECM 2025

HYBRID MODE

June 13 & 14, 2025



Organized by

Department of Chemical Engineering &
School of Energy Science & Engineering
Indian Institute of Technology Guwahati
Guwahati - 781039, Assam

ABOUT ECM 2025

ECM 2025 provides a distinguished platform for advancing discourse and practice in energy efficiency, carbon management, and sustainable industrial development. The conference convenes eminent scholars, industry leaders, researchers, and policymakers to deliberate on real-world case studies, emerging technologies, and implementable strategies aimed at reducing carbon emissions and enhancing energy performance.

In light of the global transition toward sustainable energy systems, ECM 2025 serves as a critical venue for the exchange of knowledge, the cultivation of collaborations, and the formulation of impactful solutions aligned with the United Nations Sustainable Development Goals (SDGs). Through a curated programme comprising keynote lectures, plenary sessions, expert panels & technical presentations, the conference seeks to foster engagement across academia, industry, and government.

With a particular emphasis on practical implementation, ECM 2025 will highlight proven strategies for energy transition, the deployment of low-carbon technologies, and policy mechanisms that support industrial sustainability without compromising economic competitiveness.

The conference offers an unique opportunity for academics, professionals, decision-makers, & early-career researchers to engage with leading experts in the field and contribute to shaping a resilient and energy-efficient future.

ABOUT IIT GUWAHATI

Established in 1994, IIT Guwahati stands as one of India's premier institutions in the field of higher education. Situated along the banks of the mighty Brahmaputra River, the institute offers a conducive environment for academic pursuit and intellectual growth. Renowned for its academic rigor, cutting-edge research infrastructure, and interdisciplinary orientation. The institute fosters innovation that addresses pressing societal and technological challenges. The institute is home to several centres of excellence and maintains robust collaborations with industry and academic institutions around the world.

Join us at IIT Guwahati for an inspiring exchange of ideas, innovations, and initiatives that drive action toward a low-carbon, energy-efficient future.

THEME

- Industrial Energy Efficiency
- Carbon Footprint Reduction
- Green Hydrogen in Industry
- Energy Storage & Decarbonization
- AI and IoT in Energy Management
- Net Zero Energy Buildings
- Decarbonizing Heavy Industries
- Renewable Energy in Industry
- Sustainable Energy Roadmap
- Energy in Transportation
- Waste Heat Recovery
- Carbon Trading & Policies

CALL FOR PAPERS

Participants are invited to submit their work under two main conference categories:

• **Oral Presentations** •
Participants must submit a full paper or extended abstract review, which will be evaluated for quality, clarity & relevance.

• **Poster Presentations** •
Participants must submit an abstract for review, which will be evaluated based on its conciseness, clarity, and relevance.

Proceedings: Abstracts of both oral and poster presentations will be included in the conference proceedings and will be assigned an ISBN and DOI.

Book Chapter: Selected oral papers will be published as a chapter in a Springer Nature Book (Proposal under review).

Presentation: Oral presenters must present their work at the conference, either in person or virtually. However, poster presenters must attend in person.

BEST THESIS AWARD

Best Thesis Awards will be presented to recognize outstanding work in the field of Energy and Carbon Management. Separate awards will be given to the undergraduate, postgraduate, and doctoral levels, with each category evaluated independently. Theses demonstrating innovation, practical relevance, or significant impact will be considered.

For further details and submission guidelines, please visit the website

COMMITTEE MEMBERS

Patron

Prof. Devendra Jalihal , Director, IIT Guwahati

Advisory Committee

- Mr. Aditya Bhatnagar, The Supreme Industries Limited
- Mr. Aneesh Rajendran, IIT Inodre
- Prof. Anish Modi, IIT Bombay
- Mr. Ankur Patel, Reliance Industries Limited
- Dr. Babu A., UPASI Tea Research Foundation
- Mr. Bajarang Lohia, Lohia Group of Companies
- Prof. Chetan Singh Solanki, IIT Bombay
- Prof. Devendra Laxmanrao Deshmukh, IIT Indore
- Mr. Dilip Kumar Jha, Emami Limited
- Mr. Girja S. Charan, Energy Efficiency Services Limited
- Dr. Jaideep Baruah, Assam Energy Development Agency
- Mr. Jayanta Bordoilo, Hamilton India Private Limited
- Mr. Karthick M., IIT Madras
- Ms. Madhumita Soren, Odisha Power Generation Corp.
- Prof. Mahesh Panchagnula, IIT Madras
- Prof. Mani Bhushan, IIT Bombay
- Prof. Manigandan S., IIT Ropar
- Mr. Nageswara Rao, IIT Hyderabad
- Prof. Naran Pindoriya, IIT Gandhinagar
- Dr. Narsimha Rao, G.R., The Energy and Resources Institute
- Mr. Nikhil Tambe, Energy Consortium, IIT Madras
- Prof. Prakash Kotecha, IIT Guwahati
- Mr. Rahul J. Patel, IIT Gandhinagar
- Mr. Rajesh Bhuyan, Trustea Sustainable Tea Foundation
- Prof. Ranajit Mondal, IIT Hyderabad
- Mr. Renjith Raj, IIT Ropar
- Dr. Rupanjali Deb Baruah, Tocklai Tea Research Institute
- Prof. Sadhan Mahapatra, Tezpur University
- Mr. Sai Kumar Ganna, The Energy and Resources Institute
- Mr. Sai Ramana, IIT Madras
- Prof. Samar Jyoti Hazarika, North-Eastern Hill University
- Mr. Samrat Deka, SRD Industries
- Mr. Senthil T., The Energy and Resources Institute
- Mr. Sikand S. S., Rossell Tea
- Ms. Shirin Kujur, TVS Motor Company
- Mr. Sreekanth P.K., IIT Bombay
- Mr. Subrata Chakrabarti, ISRO
- Prof. Tarak Mondal, IIT Ropar
- Mr. Vinayak Kamat, The Godrej Industries
- Dr Venkatesan Selvaraj, Tocklai Tea Research Institute
- Prof. Viswajeet Mehandia, IIT Ropar