



International Conference

on Advances in Sustainable Solutions for Energy Transitions

ASSET - 2025

Organized by
School of Energy Science and Engineering,
Indian Institute of Technology Guwahati,
January 2 - 4, 2025

About Conference

International Conference on Advances in Sustainable Solutions for Energy Transitions (ASSET 2025), scheduled for January 2-4, 2025 at the esteemed School of Energy Science and Engineering, IIT Guwahati aims to stand as a cornerstone event in the quest for sustainable energy solutions. This conference, which will bring together top specialists, scholars, decision-makers, and business representatives from around the globe and promises to be a turning point in the conversation around energy sustainability. Keynote addresses, panel discussions, paper presentations, and workshops on a variety of subjects, including renewable energy integration, energy storage, smart grid systems, and policy frameworks for sustainable development, will be included in the conference. Participants will get the chance to participate in multidisciplinary discussions that promote cooperation and knowledge sharing across the government, business, and academic sectors.

About Us

School of Energy Science and Engineering (SESE) at IIT Guwahati was established in May, 2004 to promote multidisciplinary activities focused to various facets of energy technology and systems in the form of research, teaching and consultancy. Looking into the potential and application of different energy resources from the north eastern region of India, SESE laid priority to activities in the field of bio-energy, small hydro-power, alternative fuels, clean coal technology, combustion and energy efficiency of systems etc. At present, there are 7 (seven) core faculty members from various departments of the institute

such as Biosciences and Bioengineering, Chemical Engineering, Electronics and Electrical Engineering, Mechanical Engineering, and Physics are associated with the School for the promotion of interdisciplinary research for sustainable energy. The School has three academic programmes - Doctor of Philosophy (PhD), Master of Science by Research (MS-R) and Bachelor of Technology (B Tech) in Energy Engineering. The facilities available at the centre have been a great support for the students working in different areas at IITG as well for the students of various academic and research institutions of the north east.



About IIT Guwahati



Indian Institute of Technology Guwahati, the sixth member of the IIT fraternity, was established in 1994. At present the Institute has eleven departments, seven inter-disciplinary academic centres and five schools covering all the major engineering, science, healthcare, management and humanities disciplines, offering B.Tech., B.Des., M.A., M.Des., M.Tech., M.Sc., MBA and Ph.D. programmes. Indian Institute of Technology Guwahati's campus is on a sprawling 285 hectares plot of land on the north bank of the river Brahmaputra around 20 kms from the heart of the city.

With the majestic Brahmaputra on one side, and with hills and vast open spaces on others, the campus provides an ideal setting for learning.





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Advances in Sustainable Solutions for Energy Transitions

Expected Outcomes

- Generation of new knowledge, insights, and innovations through research presentations, case studies, and technical sessions, contributing to the advancement of sustainable energy solutions.
- Identification of policy gaps, barriers, and opportunities for promoting sustainable energy transitions, leading to informed policy recommendations and advocacy initiatives.
- Facilitation of technology transfer, commercialization, and deployment of sustainable energy technologies through industry-academia collaborations and partnerships.
- Empowerment of researchers, students, and professionals through capacity-building learning in the field of sustainable energy.
- Establishment of network of stakeholders, fostering collaborations, partnerships, and knowledge exchange to address common challenges and accelerate the transition towards sustainable energy systems

Target Participants

- ▶ Scientist
- ▶ Academicians
- ▶ Research Scholars
- ▶ Entrepreneurs
- ▶ Participants from R&D Organizations and Industries

Major Thematic Areas

- ▶ Biomass, Biofuels & Waste Management
- ▶ Solar, Wind, Hydro, Hydrogen & Fuel Cells
- ▶ Energy-Materials, Storage, Transmission, Distribution & Policies, E-Mobility



Conference Activities

- ▶ Plenary lectures
- ▶ Keynote addresses
- ▶ Paper presentations
- ▶ Panel discussions
- ▶ Poster presentations

Special Features

Best Poster Award in each Thematic Area



Start up and Exhibition Stalls

Panel discussion by eminent industry experts



Networking and Branding



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Important Dates

2024

Abstract submission begins	16th August
Last date for abstract submission	30th September
Intimation of Oral/Poster presentation	15th October
Last date for early bird registration	15th November
Last date for late registration	15th December

2025

Conference Dates	2nd - 4th January
Intimation of selection for Journal/Book	15th January
Last date for full paper submission	15th March

Registration Fees

Early Bird Registration (Before 15/11/2024; 5PM IST)

	Indian (INR)	SAARC Countries (USD)	Non-SAARC Countries (USD)
Student	5900	150	200
Academician	8300	250	300
Industry/Research Lab.	11800	350	400

Late Registration (After 15/11/2024 but before 15.12.2024;

	Indian (INR)	SAARC Countries (USD)	Non-SAARC Countries (USD)
Student	7100	250	300
Academician	9500	350	400
Industry/Research Lab.	14200	450	500

Registration fee includes GST and accommodation charge for 5 days in one of the Hostels of IIT Guwahati. For registering, please visit website <https://event.iitg.ac.in/asset>

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Advertisement in Souvenir

Well wishers (<Rs. 50,000/-) Black & White advertisement of the sponsor inside the conference proceedings

How to reach

CONFERENCE VENUE: CONFERENCE CENTRE, IIT GUWAHATI



The distance from Lokpriya Gopinath Bordoloi International Airport - Guwahati (GAU) to IIT Guwahati is about 22 kms. In the Arrival Lounge (inside Airport), there is a pre-paid taxi counter. You can take a prepaid taxi from the airport to reach IIT Guwahati campus.

The distance from Guwahati Railway Station (GHY) to IIT Guwahati is about 18 kms. If you are arriving at Guwahati Railway Station by rail, come out through Platform No.1 exit gate (Panbazar or Lakhhtokia side). A limited number of IIT buses run regularly from Guwahati city - Lakhtokia (Near Don Bosco School's Church/ Cotton College Boys Hostel, which is about 0.5 km from the Guwahati Railway Station) to IIT Campus. The distance from Kamakhya Railway Station (KYQ) to IIT Guwahati is about 13 kms. For commuting from Kamakya Railway Station, you may have to hire taxi or auto-rickshaws





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