



Research Workshop “Modelling & Analysis of Energy Systems” 10th September 2025



On the eve of
3rd International Conference
on
Energy Resources and Technologies for Sustainable Development
11-12th September 2025

ICERTSD 2025
“*Commitment to Sustainability*”

Venue:

Department of Mechanical Engineering
Indian Institute of Engineering Science and Technology Shibpur

About the Workshop

This workshop is designed to impart modelling and analytical skills and tools for carrying out in-depth assessments of a wide variety of energy conversion systems. Eminent personalities from IITs, NITs, IIST and other reputed institutions and universities will share their research experience and expertise and will guide the scholars and budding researchers in their quest for knowledge and new methodologies.

Tentative Lecture Topics

- Energy & exergy methods applied to energy systems
- Simulation & computational tools for energy systems
- Thermo-economic and exergo-economic assessments
- Environmental impact assessment (EIA)
- Life cycle analyses (LCA & LCCA)
- Carbon emission assessment and De-carbonization
- Multi-objective optimization of energy systems

Who should attend?

Researchers, scholars and industry personnel seeking exposure to theories and practices in energy system modelling and analysis.

Registration Information

Regular Rates:

INR 2000 (incl. of GST)

USD 40 (for foreign participants)

For 3rd ICERTSD participants:

INR 1000 (incl. of GST)

USD 20 (for foreign participants)

Check options during registration

For further details, please visit 3rd ICERTSD website.

3rd ICERTSD 2025

This conference aims to provide an effective platform for the exchange of innovative ideas and research information in energy technologies and related scientific fields. The theme of the 3rd edition of the conference is “*Commitment to Sustainability*”.



About the Department

The Department of Mechanical Engineering, IIST Shibpur was established in 1921 and has earned a name and fame for itself through its century-long existence producing high quality engineering professionals. More information may be found on the department's web pages at IIST website.



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ICERTSD 2025

3rd International Conference on Energy Resources and
Technologies for Sustainable Development

Sept, 11-12

organized by

Department of Mechanical Engineering
Indian Institute of Engineering Science and Technology, Shibpur
West Bengal, India

