

THE 10TH INTERNATIONAL CONFERENCE ON ADVANCES IN ENERGY RESEARCH

Hosted by Indian Institute of Technology Bombay
under the auspices of Synergetic Hub for Research and Education in Energy (SHREE)

CALL FOR PAPERS

The 10th International Conference on Advances in Energy Research (ICAER) is being organized by IIT Bombay from 16th to 19th December, 2025 under the auspices of the Synergetic Hub for Research and Education in Energy (SHREE). Full-length papers (10-page limit in Springer format) are invited on the following topics. The key words are mentioned as suggestions for the authors. Submissions are welcome in any research topics pertaining to the areas mentioned below. Please visit the website <https://www.es.e.iitb.ac.in/icaer2025/> for more information and the submission process.

Conventional Energy

- Coal
- Oil & Natural Gas
- Nuclear Energy

Solar Photovoltaics

- Silicon Solar Cells
- Perovskite-based Solar Cells
- Organic Solar Cells
- Solar PV Module Reliability

Electrochemical Energy Storage

- Li-ion / Na-ion / New Generation Batteries
- Solid-state Batteries
- Flow Batteries

Electrochemical Hydrogen Production and Utilization

- Electrolyzers
- Fuel Cells
- Photoelectrochemical Hydrogen Production

Hydrogen Production and Storage

- Hydrogen Production from Biomass
- Blue/Gray Hydrogen Production Methods
- Materials-based Hydrogen Storage
- Compressed and Liquid-state Hydrogen Storage
- Large scale/duration storage

Sustainable Fuels and Process Integration

- Bio-fuels
- Waste to Energy
- Carbon Capture, Utilization and Sequestration

Electrical Energy Systems

- Micro Grids and Smart Grids
- Grid Integration of Renewables
- Power Electronics for Grid Integration

Thermal Energy, HVAC and Combustion Systems

- Solar Thermal Energy
- Thermal Energy Storage
- Alternate Fuels for IC Engines
- Building Energy Systems

Micro Energy Harvesting

- Piezoelectric Energy Harvesting
- Thermoelectric Energy Harvesting
- Indoor Photovoltaics

Fluid Energy Technologies and Systems

- Wind Energy
- Hydro Energy
- Ocean Energy

Electric Mobility

- Battery Management Systems
- EV Chargers
- Electrical Machines and Drives

Energy Economics and Policy

- Energy Systems Modeling and Analysis
- Energy Management
- Energy Efficiency & Optimization
- Sustainability Analysis
- Energy Access and Energy Poverty

Paper submission portal - <https://meteor.springer.com/icaer2025>

IMPORTANT DATES

FULL PAPER SUBMISSION DUE	15 AUGUST, 2025
NOTIFICATION OF ACCEPTANCE	15 SEPTEMBER, 2025
EARLY BIRD REGISTRATION	16 SEP - 1 NOV, 2025
PRE-CONFERENCE WORKSHOP	16 DEC, 2025
CONFERENCE DATES	17 - 19 DEC, 2025



Springer

The proceedings of the conference will be published as a book volume in Springer Proceedings, which is SCOPUS-indexed.