



About the Collaboration

Under the SPARC-UKIERI initiative, IIT Kharagpur and the University of Birmingham have collaborated to organize the workshop that adopts an interdisciplinary approach to sustainable energy transitions. The program will focus on advancing equitable energy systems through the lens of solar energy and thermal storage technologies, with a specific emphasis on the UK-India context.



3rd Indo-UK Workshop

Sustainable Energy Transition: Engineering, Entrepreneurship, and Wellbeing

1-14 August, 2025

Organized by
Indian Institute of Technology
Kharagpur, India
&
University of Birmingham,
United Kingdom
Under the Scheme for
Promotion of Academic and
Research Collaboration
SPARC-3

About the Workshop

This workshop will be led by renowned national and international experts in the fields of renewable energy and sustainability. Designed for students, postdoctoral researchers, and professionals from both academia and industry, the week-long program will take place at the School of Energy Science and Engineering, IIT Kharagpur. The workshop will feature a rich blend of lectures, hands-on training sessions, panel discussions, and laboratory visits. Participants who successfully complete the program will receive an official certificate of participation.

Workshop Theme

- **Solar Energy and the Net Zero Transition: Aligning with the UN Sustainable Development Goals**
- **Renewable Energy Futures: Current Trends and Emerging Pathways**
- **The Energy Trilemma: Balancing Affordability, Sustainability, and Energy Security**
- **Climate Change, Health, and Wellbeing: Interconnected Challenges**
- **Digitalization and AI/ML in Shaping Future Energy Policies**
- **Policymaking in Practice: Insights from the UK and Indian Parliaments**
- **Foundations of Project Valuation and Financing for Sustainable Energy Systems**



Call for Participation

Eligibility:

Faculty members, research scholars, and postgraduate/undergraduate students from Engineering, Science, Management, or Law backgrounds are welcome to apply.

Registration (FREE):

Register now at:

<https://forms.gle/f3N7cG64prgEHqLY8>

Accommodation Request:

Participants are required to arrange for their own accommodation.

For Queries:

Email us at: thermalsee@gmail.com

Key dates

Registration Opens:

21 July 2025

Registration closes:

26 July 2025

Announcement of selection:

29 July 2025



Chief Patron

Prof. Suman Chakraborty
Director, IIT Kharagpur

Patron

Prof. Rabibrata Mukherjee
Dean R&D, IIT Kharagpur

Workshop Chair

Prof. Debaprasad Kasta
Head, School of Energy Science
and Engineering, IIT Kharagpur

Convener

Dr. Chirodeep Bakli
School of Energy Science and
Engineering, IIT Kharagpur