

Seminar on The Future of Energy: Innovations in Renewable and Clean Energy Technologies



Tuesday, 30th September 2025



COMSATS University Islamabad (CUI), Park Road, Islamabad



Energy Security is a cornerstone of sustainable development. Access to reliable, affordable and clean energy is fundamental to eradicating poverty, enhancing healthcare, advancing education, and driving industrial growth. However, the reliance on fossil fuels for energy generation poses significant challenges, including environmental degradation, climate change, and energy inequality.

The global energy landscape is undergoing a transformative shift as the world moves toward sustainable and low-carbon solutions to combat climate change and ensure energy security. The integration of ICTs, AI and IoT is revolutionizing the renewable energy systems, contributing to efficiency optimization, predictive maintenance, and grid management. Innovations in emerging technologies are reshaping how energy is generated, distributed, and consumed.

AIM AND OBJECTIVES

Aligned with the UN SDG 7 (Affordable and Clean Energy), the Seminar aims to bring together scientists, researchers, policymakers, and industry experts to discuss the latest advancements in the renewable and clean energy sector, and the related challenges and opportunities. The objectives of the event include:

- Knowledge sharing on the latest trends in the field of renewable energy technologies.
- Discussing the importance of integrating digital technologies to complement the renewable energy systems.
- Promoting collaborative R&D and the Government-Academia-Industry linkages for renewable energy sector.

THEMES

The themes and topics to be covered by the event include, but are not limited to: Solar Power, Wind Energy Innovations, Bioenergy Innovations, Energy Storage Breakthroughs, AI-Driven Energy Systems, Smart Grids Breakthroughs, and Policy interventions to create a conducive environment for renewable energy adoption.

TARGETED AUDIENCE

Representatives of academia & research organizations, technology & industry leaders, government officers & policy makers.

EXPECTED OUTCOMES

The participants are expected to gain insights into latest trends, innovations, cutting-edge technologies, and policy frameworks and strategies related to various forms of renewable and clean energy.

VENUE AND REGISTRATION

- COMSATS University Islamabad (CUI), Park Road, Tarlai Kalan, Islamabad.
- Register: <https://tinyurl.com/irct2025>

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