



PROGRAM (TENTATIVE)

Seminar on

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

30th September 2025

COMSATS University Islamabad (CUI), Islamabad Campus, Pakistan

Pakistan Time		OPENING SESSION
1000–1005	Welcome Remarks – Prof. Dr. Sajid Qamar Rector COMSATS University Islamabad (CUI) Pakistan	
1005–1010	Opening Remarks – Ambassador Dr. M. Nafees Zakaria Executive Director Commission on Science and Technology for Sustainable Development in the South (COMSATS)	
1010–1015	Remarks – Prof. Seyed Komail Tayebi President ECO Science Foundation (ECO-SF) Islamabad	
1015–1020	Remarks – Prof. Liu Weidong Executive Director Alliance of National and International Science Organizations for the Belt and Road Regions (ANSO), China	
1020–1035	Remarks by the Chief Guest – H.E. Sardar Awais Ahmad Khan Leghari Federal Minister Ministry of Energy Government of Pakistan	
1035–1040		Group Photo
1040–1100		REFRESHMENTS

TECHNICAL SESSION I:

Latest Technologies in Renewable and Clean Energy

1100–1115	Technological Advancements in Solar Panels Mr. Hammad Ahmed , Manager Operations, Foundation Solar Energy (Pvt.) Limited (FSEL), Pakistan
1115–1130	The Concept of Introducing a Flexible, Reliable and Intelligent Energy Delivery System (FRIENDS) for Dissemination and Indigenization in Syria Prof. Dr. Mohamed Dakkak , Higher Institute for Applied Science and Technology (HIAST), Syria (online)
1130–1145	Unlocking Blue Energy Opportunities by Harnessing Tidal Power for a Green Pakistan Dr. Muhammad Imran Shahzad , Chairman and Associate Professor, Earth & Atmospheric Remote Sensing Lab, Department of Meteorology, COMSATS University Islamabad (CUI), Pakistan
1145–1200	Developing Renewable Power Plants for Low-Income Families: Presenting a Successful Model in Iran Dr. Seyed Moslem Mousavi Dorcheh , Head of New Technologies Studies Department, Iranian Research Organization for Science & Technology (IROST), Iran (online)

TECHNICAL SESSION II:

Futuristic Technologies in Renewable and Clean Energy and Way Forward

1200–1215	Co-Doping Strategy in Garnet Electrolytes for High-Performance Solid-State Lithium Batteries Dr. Ghulam Ali , Associate Professor, National University of Sciences and Technology (NUST), Pakistan
1215–1230	Synthesis & Development of Advanced Materials from locally available Natural Minerals for the Application of Clean Energy Technologies Dr. Chinthan Manoratne , Principal Research Scientist and Director of the Materials Technology Section (MTS), Industrial Technology Institute (ITI), Sri Lanka (online)

1230–1245	Electric Mobility Market Landscape in the ECO Region: Trends and Opportunities in Clean Transport Engr. Khalil Raza , Programs Manager - Energy & Climate, ECO Science Foundation
1245–1300	Driving Sustainability: Pakistan Renewable Energy Perspective Mr. Shah Jahan Mirza , Managing Director, PPIB, Ministry of Energy (Power Division), Government of Pakistan
1300–1400	LUNCH BREAK
TECHNICAL SESSION III: Integration of Digital Technologies in Energy Systems	
1400–1415	AI in Real-Time Energy Monitoring and Forecasting Dr. Serkan Buhan , Group Leader, Energy Monitoring Unit, the Scientific and Technological Research Council of Türkiye (TUBITAK), Türkiye (online)
1415–1430	TeraMed - Fostering Inclusive Resilience and Participatory Renewable Energy Decisions in the Mediterranean Dr. Jauad El Kharraz , Director, Water, Energy and Climate Expert Network & Senior Advisor European Climate Foundation, Morocco (online)
1430–1445	Clean Energy Development with AI and Technology Innovation Mr. Jiao Jiwen Jackson , General Manager, Beijing Tus-Deqing Bioenergy Co. Ltd., China (online)
TECHNICAL SESSION IV: Policy Interventions to Promote Renewable and Clean Energy Adoption	
1445–1500	A Perspective on Clean Technology Innovation Eco-system in Pakistan Mr. Masroor Ahmed Khan , United Nations Industrial Development Organization (UNIDO), Pakistan Office

1500–1515	Carbon Pricing as Instrument for Energy Transition Dr. Irfan Yousaf , Chief Executive Officer, MKAI Climate Consulting, Pakistan
1515–1530	China's Green Energy Transition and Policy Advancement Prof. Bai Yu & Prof. Zhao Daiqing , Guangzhou Institute of Energy Conversion, Chinese Academy of Sciences, China (online)
1530–1545	Pakistan's Solar Revolution: The Paradox of Success Prof. Dr. Saleem H. Ali , Distinguished Professor of Energy and Environment, University of Delaware, USA (online)
1545–1600	Carbon Credit Opportunities in Renewable Energy Projects Mr. Hammad Bashir Saeed , CEO, Antilia Consulting, Pakistan
1600–1630	Discussion Session
1630–1645	CONCLUDING SESSION
1645–1700	REFRESHMENTS