



CONFERENCE PROGRAM

1 st Day – Wednesday, February 19 th , 2025				
Inauguration Ceremony				
Auditorium – USPCAS-W, MUET, Jamshoro				
Time		Program Schedule		
From	To	Activity	Name	Affiliation & Designation
08:30 AM	09:30 AM	Registration of the Participants/Delegates	-	Registration Desk
09:30 AM	09:35 AM	Recitation from the Holy Quran	Hafiz Abdul Aziz Memon Usmani	MUET, Jamshoro
09:35 AM	09:40 AM	National Anthem	-	-
09:40 AM	09:50 AM	Welcome	Prof. Dr. Sheeraz Ahmed Memon	Conference Chair
9:50 AM	10:00 AM	Introduction and Opening Remarks	Prof. Dr. Mohammad Aslam Uqaili	Patron EEERG
10:00 AM	10:10 AM	Keynote Remarks 1	Prof. Dr. Peng Wang	Chinese Academy of Sciences, China
10:10 AM	10:15 AM	Keynote Remarks 2	Prof. Dr. Shafiq Odhano	Newcastle University United Kingdom (UK)
10:15 AM	10:20 AM	Keynote Talk	Engr. Irfan Ahmed (Energy Transition- Make in Pakistan)	Energy Consultant
10:20 AM	10:35 AM	Address by Guest of Honor	Engr. Mahfooz Ahmed Qazi	Director Energy Department, Govt. of Sindh.
10:35 AM	10:45 AM	Address by Guest of Honor	Mr. Noor Mohammad Bajjeer	CEO CSSP Pakistan
10:45 AM	10:55 AM	Presidential address	Prof. Dr. Tauha Hussain Ali	Vice Chancellor, Mehran University of Engineering & Technology, Jamshoro, Pakistan
10:55 AM	11:10 AM	Shield and Souvenir Presentation to the Honorable Guests		
11:10 AM	11:15 AM	Vote of Thanks	Dr. Faheemullah Shaikh	Conference Secretary

Morning Tea (11:15 AM to 11:30 AM)

Time		Technical Session-1 Auditorium (USPCAS-W)			Pannel Discussion
From	To	Session Chair:	Prof. Dr. Peng Wang (University of Chinese Academy of Sciences)		
		Session Secretary:	Prof. Dr. Kafiya Ullah (University of Sialkot)		
11:30 AM	12:00 Noon	Plenary Talk 1	Prof. Dr. Peng Wang	Research the Energy Transition and Security based on Technology Evolution Model for China	Solar Minigrids for a Just Energy Transition: Advancing Renewable Energy in Off-Grid Sindh Time: 11:30 to 13:00 Venue: USPCAS-W (Conference Room) Hosted by: Civil Society Support Program in Collaboration with Mehran University of Engineering & Technology, Jamshoro. Moderator: Dr. Kamleshwer Lohana
12:00 Noon	12:30 PM	Plenary Talk 2	Prof. Dr. Kafiya Ullah	Opportunities & Challenges of ESG adaption in Export Based Industry of Pakistan	
12:00 PM	12:15 PM	Paper ID 03	Atif Zafar and Intikhab Ulfat	Enhancing Energy Efficiency in In-Situ Conversion of Oil Shale Through Stored Heat Recovery	
12:15 PM	12:30 PM	Paper ID 11	Ali Shan, Dr Jam Shahzaib Khan, Engr. Sumra Atique Khan,	“Circular Economy in construction” Current adaptation Challenges and Barriers.	
12:45 PM	13:00 PM	Paper ID 16	Zain Ahmed, Sanjay Kumar, Zaheer Ahmed, Farhatullah Shah, Zulqarnain Hyder and Abdul Nabi	Utilization of sawdust as a bioenergy potential using pelletization and torrefaction process	
13:00 PM	13:15 PM	Paper ID 18	Rizwan Khan, Abdul Rehman and Sheeraz Ahmed	Synthesis and Modification of Agriculture Residue-Based Sorbents for Toxic Dyes Removal from Water	
13:15 PM	13:30 PM	Concluding remarks by the Session Chair			



7TH INTERNATIONAL CONFERENCE ON ENERGY, ENVIRONMENT AND SUSTAINABLE DEVELOPMENT
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Lunch & Prayer Break (13:30 PM to 14:00 PM)

Technical Session-2 Auditorium (USPCAS-W)

Time		Session Chair:	Prof. Dr. Shafique Odhano (Newcastle University United Kingdom (UK))	
From	To	Session Secretary:	Prof. Dr. Faisal Ahmed Khan (COMSATS University Islamabad, Abbottabad Campus, Pakistan)	
14:00 PM	14:30 PM	Plenary Talk 1	Prof. Dr. Shafique Odhano	Power Electronics, Machines and Drives for Sustainable Electric Propulsion
14:30 PM	15:00 PM	Plenary Talk 2	Prof. Dr. Faisal Ahmed Khan (Online)	Design and Development of Counter Rotating Wind Turbine Applications
15:00 PM	15:15 PM	Paper ID 08	Muneeb Ur Rehman, M Shaheryar and Yaqoob Ali Baloch	Addressing the Dual Challenges of Resources Scarcity & Transforming Waste into Fuel.
15:15 PM	15:30 PM	Paper ID 20	Nisar Ahmed, Beenish Jatoi, Emmy Mahar and Waheed Ali, Khokhar	Development & Evaluation of Coal-Ash Based Ceramic Membrane
15:30 PM	15:45 PM	Paper ID 22	Sikandar Khan, Abdul Rafay Panhwar, Shahzaib Dahri, Abeer, Yaseen and Waheed Ali Khokhar	Sustainable Approach: Zeolite Synthesis from Coal Fly Ash for Hardness Removal in Wastewater Treatment
15:45 PM	16:00 PM	Paper ID 24	Ahram Mehran	Reducing Space Debris: High-Altitude Balloons as Green Alternatives to Satellite Technology
16:00 PM	16:15 PM	Paper ID 48	Sadaf Gul Unar, Dr. Shoaib Ahmed Khatri, Dr. Nayyar Hussain Mirjat	Investigation of Air Flow and Temperature impact on Thermal Efficiency of Solar Dryer: An Experimental Study
16:15 PM	16:20 PM	Concluding remarks by the Session Chair		

Tea Break (16:20 PM to 16:30 PM)

Technical Session-3 Auditorium (USPCAS-W)

		Session Chair:	Prof. Dr. Kishan Chand Mukwana (QUEST, Nawabshah)	
		Session Secretary:	Dr. Dur Mohammad (DHA SUFFA, Karachi)	
16:30 PM	16:45 PM	Plenary Talk 1	Prof. Dr. Kishan Chand Mukwana	Sustainable Approach for Managing Waterbodies of Sindh
16:45 PM	17:00 PM	Plenary Talk 2	Dr. Dur Mohammad Soomro	Electrical Power Engineering: Driving Sustainable Energy Transition and Climate Resilience with SDG
17:00 PM	17:15 PM	Paper ID 12	Zain Ul Abideen Laghari, Zahir Ali, Rabia Soomro and Sanghar Bhutto	Eco-Friendly Reinforcement in Concrete with Insights on Bamboo's Flexural Strength, Economics and Material Properties
17:15 PM	17:30 PM	Paper ID 09	Altaf Alam Noonari	Smog and Agricultural waste burnings: Pakistan needs to fix it
17:30 PM	17:45 PM	Paper ID 28	Aftab Ahmed and Ahmar Jamal	Reexamining Heinrich's Triangle: Unveiling Overlooked Wisdom and Applications in Modern Safety Practices
17:45 PM	18:00 PM	Paper ID 45	Shahjahan Baloch, Shoaib Ahmed Khatri, Mohammad Aslam, Uqaili, Nayyar Hussain Mirjat and Musavir Hussain	Assessment of wind power potential and energy estimation of different wind turbine classes for low wind speed region of Pakistan
18:00 PM	18:15 PM	Paper ID 49	Ashfaque Ahmed Baloch, Dr. Fahad Azim, Dr. Muhammad Yousuf Irfan Zia,	Optimizing Power Quality in Grid-Connected PV Systems through MPPT Control and Harmonic Mitigation
18:15 PM	18:30 PM	Concluding remarks by the Session Chair		



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2nd Day – Thursday, February 20th, 2025

Technical Session- 4A Auditorium (USPCAS-W) (09:00 AM – 11:45 AM)					Special Sessions Conference Room (USPCAS-W)		
Time		Session Chair: Engr. Aijaz Mangi (Pakistan Nuclear Regulatory Authority, Pakistan) Session Secretary: Dr. Pervez Hameed Shaikh (Mehran UET, Jamshoro)			Session-1 09:30 AM to 10:30 AM Identifying Challenges and Solutions to the Implementation of Sindh Climate Change Policy Moderator: Dr. Zulfiqar Ali Umrani (Ziauddin University, Karachi)		
From	To	ACTIVE Presentation (09:00 AM – 09:15AM): Master in Climate Change Informatics and Sustainability Curriculum under ACTIVE PROJECT (Dr. Marium)					
09:00 AM	09:15 AM	09:15 AM	09:30 AM	Plenary Talk 1		Engr. Aijaz Mangi	Nuclear Renewable Integrated Energy System: Regulatory & Technical Perspective
09:30 AM	09:45 AM	09:30 AM	09:45 AM	Plenary Talk 2		Mr. Saquib Saeed	Condition monitoring of wind farms
09:45 AM	10:00 AM	09:45 AM	10:00 AM	Paper ID 07		Yaqoob Ali Baloch, Abdul Mateen Shahzaib Asad, Maham, Mahnoor,	Automated Image Dataset Collection System for Cotton Crop Leaves
10:00 AM	10:15 AM	10:00 AM	10:15 AM	Paper ID 25		Laveet Kumar, Ahmad Khalaf Sleiti and Wahib Ahmed Saleh Ahmed Al-Ammari	Effects of various Gaseous Inhibitors on Hydrogen Flammability for Safe Hydrogen Transportation and Storage
10:15 AM	10:30 AM	10:15 AM	10:30 AM	Paper ID 50		Shakir Ali Soomro, Nayyar Hussain Mirjat, Naveed Arshad and Muhammad Aslam Uqaili	Importance of Data Cleaning and Feature Engineering in Developing Wind Forecasting System with Sparse Data
10:30 AM	10:45 AM	10:30 AM	10:45 AM	Paper ID 39		Abdul Jaleel Laghari, Abdul Hayee Soomro, Muhammad Yameen,	Synthesis CO ₃ O ₄ Nanostructure Using Rotten Malus Pumila Extract As Green Capping And Reducing Agent For Oxygen Evolution Reaction
10:45 AM	11:00 AM	10:45 AM	11:00 AM	Paper ID 32		Shakir Ali Khokhar, Qaimuddin Mahar, Muhammad Rizwan, Kamran Ansari,	Assessment of Economic Impact on Waterborne Diseases in Lahore, Punjab, Pakistan
11:00 AM	11:15 AM	11:00 AM	11:15 AM	Paper ID 51		Dr. Abdul Khaliq Ansari	Why do we need a “Sustainability Management Plan”?
11:15 AM	11:30 AM	-	-	-	-	-	
11:30 AM	11:35 AM	Concluding remarks by the Session Chair			-	-	

Tea Break (11:35 AM to 11:45 AM)

Technical Session- 4B Conference Room (USPCAS-W) (09:30 AM – 11:45 AM)						
Time		Session Chair: Prof. Dr. Bhawani Shankar Chowdhry (Mehran UET, Jamshoro) Session Secretary: Dr. Amanullah Mahar (University of Sindh)				
From	To	ICT applications in Environmental Sustainability				
09:30 AM	09:45 AM	09:30 AM	09:45 AM	Plenary Talk 1	Prof. Dr. Bhawani Shankar	
09:45 AM	10:00 AM	09:45 AM	10:00 AM	Plenary Talk 2	Engr. Abubakar Ismail	
10:00 AM	10:15 AM	10:00 AM	10:15 AM	Paper ID 13	Zulqamain Hyder, Abdul Ahad Noohani, Zain Ahmed, Sameer Uddin,	Performance analysis of solar photovoltaic panel integrated with phase change material
10:15 AM	10:30 AM	10:15 AM	10:30 AM	Paper ID 26 (Online)	Danish Akbar and Faisal Shabir	Combined Performance of Synthetic and Natural Fibers in Concrete
10:30 AM	10:45 AM	10:30 AM	10:45 AM	Paper ID 33 (Online)	Shakir Ali Khokhar, Alina Tariq, Muhammad Rizwan, Waheed Ali Khokhar, Tanveer Ahmed Chandio and Maryam Bibi	Assessment of Water, Sanitation, and Hygiene (WaSH) and Management Practices in Basic Health Unit, Hyderabad, Sindh, Pakistan
10:45 AM	11:00 AM	10:45 AM	11:00 AM	Paper ID 43 (Online)	Abaid Ullah, Syed Muhammad Affaq, Mehwish Afsheen and Hafiza Irsa Ashraf	Integrating IoT-based E-inspection for real-time safety monitoring in oil and gas industrial setup
11:00 AM	11:15 AM	11:00 AM	11:15 AM	Paper ID 52	Sana Sultan, Ghaus Bakhsh Narejo, Fawad Azeem	Simulation and Modelling Techniques for Multi-objective Optimization of Hybrid Fast EV Charging Station
11:15 AM	11:30 AM	-	-	-	-	-
11:30 AM	11:35 AM	Concluding remarks by the Session Chair			-	-

Tea Break (11:35 AM to 11:45 AM)



Closing Ceremony				
Auditorium – USPCAS-W				
Time		Program Schedule		
From	To	Activity	Name	Affiliation & Designation
11:45 AM	12:00 Noon	Guests to be seated	-	-
12:00 Noon	12:05 PM	Recitation from the Holy Quran	Hafiz Abdul Aziz Memon Usmani	MUET, Jamshoro
12:05 PM	12:10 PM	National Anthem	-	-
12:10 PM	12:20 PM	Welcome Remarks	Prof. Dr. Abdul Razzaque Sahito	Conference Co-Chair
12:20 PM	12:40 PM	Conference Recommendations	Dr. Nayyar Hussain Mirjat	Conference Co-Chair
12:40 PM	12:50 PM	Conference Remarks	Guest of Honor	Guest of Honor
12:50 PM	13:10 PM	Concluding Speech	Prof. Dr. Khanji Harijan	Dean faculty of MP&EE, MUET, Jamshoro
13:10 PM	13:30 PM	Address by Chief Guest	Address by Chief Guest	Address by Chief Guest
13:30 PM	13:45 PM	Shield and Souvenir Presentation to the Honorable Guests		
13:45 PM	14:00 PM	Vote of Thanks and Concluding Remarks	Dr. Shoab Ahmed Khatri	Co-Secretary