

CONFERENCE PROGRAM
DAY 01, Monday, 17 January 2022
Inauguration Ceremony
(Venue: USPCAS-W)

08:30	Registration of Participants
09:00	Guests to be Seated
09:30	Recitation of Holy Quran by Prof. Dr. Zeeshan Khatri
09:35	Welcome Address by Prof. Dr. Suhail A. Soomro (Conference Chair)
09:40	Overview Address by Prof. Dr. Khanji Harijan (Secretary EEERG)
10:00	Presidential Address by Prof. Dr. Muhammad Aslam Uqaili , Honorable Vice Chancellor, Mehran University of Engineering & Technology, Jamshoro
10:15	Address by the Chief Guest Prof. Dr. Mujeebuddin Memon
10:30	Plenary talk by Prof. Dr. Jülide Erkmén as a Keynote Speaker (KEYNOTE-1) (<i>Physical</i>)
10:45	Plenary talk by Beth Eden as a Keynote Speaker (KEYNOTE-2) (<i>Online</i>)
11:00	Vote of Thanks by Dr. Faheemullah Shaikh Conference Secretary
Tea Break (11:-05 to 11:30 AM)	

DAY - 1, MONDAY, 17 JANUARY 2022
(Venue: Main Hall, USPCAS-W)

Location→	Main Auditorium HALL	
Timing	Plenary Session Invited Speakers	
	Session Chair Prof. Dr. Jülide Erkmén	Session Secretary Prof. Dr. Sheeraz Memon
11:30 to 11:45	KEYNOTE-3 Circular Economy for Sustainable Development (<i>Physical</i>) <i>By: Dr. Mushtaque Memon</i>	
11:45 to 12:00	KEYNOTE-4 Energy Security Dilemma of Pakistan and the Sustainable Way Out (<i>Physical</i>) <i>Engr. Amjad Awan</i>	
12:00 to 12:15	KEYNOTE-10 Geopolymerization: A Sustainable and Green Synthesis Approach (<i>Online</i>) <i>By: Saeed Gul</i>	
12:15 to 12:30	KEYNOTE-6 Eco-Friendly Hybrid Interlocking Blocks for Sustainable Construction (<i>Online</i>) <i>By: Mohd Haziman Wan Ibrahim</i>	
12:30 to 12:45	KEYNOTE-7 Challenges in Energy and Environmental Sectors: Prospects of Renewable Energy (<i>Online</i>) <i>By: Dr. Hasanuzzaman</i>	
12:45 to 01:00	KEYNOTE-8 Sustainable Nature-based Development in the New Normal and Beyond (<i>Online</i>) <i>By: Dr. Marla Chua Maniquiz-Redillas</i>	
01:00 to 01:15	KEYNOTE-9 Biomass as Renewable Resources for Greener Carbon Dioxide Capture Processes (<i>Online</i>) <i>By: Mohamed Kheireddine Aroua</i>	
01:15 to 01:30	KEYNOTE-11 Artificial Intelligence Impact on Achieving Sustainable Development Goals (SDGs) (<i>Physical</i>) <i>By: Dr. Toufique A. Soomro</i>	
Lunch and Pray Break (01:-30 to 02:30 PM)		

Location→	Main Auditorium HALL		ROOM 2		ROOM 3			
Timing	Technical Session – 1 Energy		Technical Session -2 Special Session		Technical Session – 3 Environment			
	Session Chair Prof. Dr. Zeeshan Khatri	Session Secretary Dr. Samandar Malik	Session Chair	Session Secretary	Session Chair Dr. Toufique A. Soomro	Session Secretary Dr. Naveed Mangal		
Time: 02:30 – 04:00 PM								
02:30 to 02:40	KEYNOTE-12 Nanocomposites for renewable energy (<i>Physical</i>)		Session on Safe Drinking Water in Sindh: Issues and Solutions 1. Screening out the Video Documentary on Solar Powered Drinking Water Supply Schemes in Sanghar by RDF. 2. Panel Discussion on State of Drinking Water in Sindh: • Arsenic Contamination in Ground Water; a Case of District Sanghar, Sindh: Research Study conducted by RDF-USPCAS by Prof. Dr. Rasool Bux, Director USPCAS-W MUET • Drinking Water Issues in Coastal Areas of Sindh; by Zofeen T. Ebrahim • Public Water Supply Schemes; Operation and Maintenance; By Director Public Health Engineering Department. • Ground Water Use and Impacts on Human Health; By Dr. Gulzar Usman, Associate Professor, LUMHS 3. Question & Answers by Participants 4. Concluding Remarks by Session Chair		EESD2022_Paper_23 Relationship between Laboratory Based Electrical Resistivity against Geomechanical properties of soft sedimentary rocks at Thar Formations: A Conceptual Model <i>By: Sunny Dev</i>			
	<i>Dr. Zafar Hussain Ibupoto</i> EESD2022_Paper_4 Power Generation Expansion Optimization Model of Pakistan Under Electricity Demand Constraints For 2020-2030 <i>By: Wajahat Shabbir</i>				EESD2022_Paper_24 Influence of Rockmass Properties on Excavation Performance of Mining Shovel <i>By: Zuhaib Ahmed Shaikh</i>			
02:40 to 02:50	EESD_Paper_148 Selective recovery of fine coal from ash using waste lubricating oil: Evaluation of technical parameters. <i>By: Muhammad Zaman</i>				EESD2022_Paper_36 Bioremediation of Arsenic (As) and Lead through Aspergillus Niger Isolated from Soil <i>By: Hajra kharal</i>			
	KEYNOTE-5 Carbon Literacy Program (<i>Online</i>) <i>Prof. Dr. Petra Molthan-Hill</i>				EESD2022_Paper_43 An Approach to Reduce Environmental Hazards by Reutilization of Solid Waste <i>By: Muhammad Zaid Khan</i>			
02:50 to 03:00	EESD2022_Paper_17 A Review: Radiative Cooling of Solar Cells <i>By: Muhammad Farhan</i>				EESD_Paper_75 Emerging An Approach to Recuperate Condensate Water from Air Conditioners in Karachi, Pakistan. <i>By: Shaheryar Ahmed</i>			
	EESD2022_Paper_19 Improving the Performance of DFIG Based WECS Using Vector Oriented Control Scheme: A Case Study of 49.5MW GE Wind Power Plant Jhimpir <i>By: Shankar Singh Rajput</i>				EESD_Paper_83 Arsenic Removal from Ground Water using Solar Hybrid Capacitive Deionization Electrodialysis Module. <i>By: Muhammad Awais Jamali</i>			
03:00 to 03:10	EESD2022_Paper_31 Effects of Coal Size, Carbonization Temperature and Treatment Time on the Upgradation of Coal Properties <i>By: Shahid Hussain Dahri</i>				EESD_Paper_109 A Study on Existing Mechanism of Municipal Solid Waste Management in Dadu City. <i>By: Rabia Gill</i>			
	EESD_Paper_116 Impact of Future Probabilistic Placement of PV in Gulshan-e-Iqbal Feeder. <i>By: Raveena Kumari</i>				EESD_Paper_129 Making a Case for Remote Working Towards Positive Impact on Environment: Lessons from Covid-19 Lockdown. <i>By: Pirah Subhpoto</i>			
03:10 to 03:20								
03:20 to 03:30								
03:30 to 03:40								
03:40 to 03:50								

03:50 to 04:00	EESD_Paper_134 Analysis of Canal Top Solar Plant.	EESD_Paper_131 Effect of Chlorpyrifos Pesticide on Nitrogen Fixing Bacteria in Soil.
	<i>By: Imran Khan</i>	

Tea Break: 04:00 – 04:30 PM

Location→	Main Auditorium HALL		ROOM 2		ROOM 3	
Timing	Technical Session –4 General (Physical)		Technical Session-5 Sustainable Development/ Environment		Session -6 Environment	
	Session Chair Dr. Bushra Jamil	Session Secretary Dr. Iftikhar Sahito	Session Chair Dr. Zafar H. Ibupoto	Session Secretary Dr. Aamir M. Soomro	Session Chair Dr. Abdul Ghafoor Memon	Session Secretary Dr. Laveet Kumar
Time: 04:30 – 06:00 PM						
04:30 to 04:40	EESD_Paper_6 Institutional Structure of Municipal Administration: A Case of District Hyderabad.		EESD2022_Paper_29 Determination of Optimum Coal Blending Ratio for Cement Industries of Pakistan		EESD2022_Paper_48 Green Buildings awareness and adaptability in Construction Industry of Pakistan.	
	<i>By: Samia Arain</i>		<i>By: Hassan Raza Dars</i>		<i>By: Jam Shahzaib Khan</i>	
04:40 to 04:50	EESD_Paper_10 Classification of Proposed Incentives in National S&T Policies of Pakistan (1993, 2012).		EESD2022_Paper_39 Green Technologies & Sustainable Development in Pakistan		EESD2022_Paper_14 A Critical Review of Pakistan's Climate Change Policies from the Lens of UNFCCC's Paris Agreement (COP21) and Glasgow Climate Pact (COP26)	
	<i>By: Warda Farzeen</i>		<i>By: Ahmad faizan</i>		<i>By: Hassam Bin Waseem</i>	
04:50 to 05:00	EESD_Paper_11 To Explore the Factors Leading towards Delayed Completion of Thesis: Students of Master's Degree Program.		EESD_Paper_135 An Investigation of Social Sustainability Awareness in Textile Industry: A Case of Kotri		EESD2022_Paper_15 Effect on Environment due to Covid-19 Restrictions and Remote Working in the New Normal	
	<i>By: Ghazala Kalwar</i>		<i>By: Arti Bai Lohana</i>		<i>By: Pirah Subhpoto</i>	
05:00 to 05:10	EESD_Paper_22 Use of Taguchi Experimental Design in an Offline Optimization Estimation of Surface Finish in Machining.		EESD_Paper_153 Lignin Extraction and Valorization using Crops Biomass under Varied Temperature and Time Steps.		EESD2022_Paper_26 Development of Biodegradable and Edible Films from Papaya Fruit Extract	
	<i>By: Anis Fatima</i>		<i>By: Mohammad Siddique</i>		<i>By: Jaweria Ashfaq</i>	
05:10 to 05:20	EESD_Paper_34 Fungal Assessment and Covid-19; A Retrospective Study from Hyderabad, Pakistan.		EESD_Paper_139 Critical analysis of microfinance to empower rural woman		EESD2022_Paper_27 Assessment of Selective and flexible solar based multistage membrane model for the purification of Sea water	
	<i>By: Arsalan Ali Bughio</i>		<i>By: Nazia Bhutto</i>		<i>By: Waseem Ahmed Langah</i>	
05:20 to 05:30	EESD_Paper_80 Analyzing the Applications of JIT Towards Customer Satisfaction by Using Takt Time.		EESD_Paper_155 Principal Component Analysis: Development of Educational Index Equation for Secondary Schools.		EESD_Paper_3 Applied Artificial Intelligence as Event Horizon of Cybersecurity.	
	<i>By: Zeeshan Hyder</i>		<i>By: Habiba Khan</i>		<i>By: Atif Ali</i>	
05:30 to 05:40	EESD_Paper_82 Relationship of Production control with Time, Cost and Quality.		EESD_Paper_156 Principal Component Analysis: Computation of Latent Roots and Latent Vectors for Index Equation of Higher Secondary Schools.		EESD2022_Paper_35 Evaluating the Characteristics of Cotton Stalks Ash and its Pyrolyzed Bio-Char for Soil Fertility Improvement	
	<i>By: Fakhrun Nisa Bhutto</i>		<i>By: Ariba Shan</i>		<i>By: Manthar Manghwar</i>	
05:40 to 05:50	EESD_Paper_90 Application of Agile Project Management Approach in		EESD_Paper_158 Quantifying oil supply security of Pakistan		EESD2022_Paper_41 Determination of Water Quality of Groundwater in Taluka Lakhli Ghulam Shah District Shikarpur	

	Construction Projects: An Experimental Research. <i>By: M. Ahsan Raza Siddiqui</i>	<i>By: Amina Hafeez</i>	<i>By: Maryam Memon</i>
05:50 to 06:00	EESD_Paper_94 Aids & Barriers towards Online Education in Era of COVID 19: A Force Field Analysis. <i>By: Saira Mujawar</i>	EESD_Paper_101 Collaborative Solar Power Sharing Mechanism for Small Networks Using Integrated Control System. <i>By: Umer Iqbal</i>	EESD_Paper_84 Role of Billion Tree Tsunami Project in Cleaning the Environment of Pakistan. <i>By: Aqeela Saghir</i>
END OF DAY-1			

DAY 2 – TUESDAY, 18 JANUARY 2022

(Venue: USPCAS-W)

Location→	Main Auditorium HALL		ROOM 2		ROOM 3
Timing	Technical Session – 7 Multitopics (Online)		Technical Session -8 Energy/ Environment		General
	Session Chair Prof. Dr. Khadija Qureshi	Session Secretary Dr. Shuaib Shaikh	Session Chair Prof. Dr. Rizwan Memon	Session Secretary Dr. Fahad Irfan Siddiqui	
Time: 10:00 – 11:30 AM					
10:00 to 10:10	KEYNOTE-13 Eco-Friendly Hybrid Interlocking Blocks for Sustainable Construction <i>By: Prof. Dr. Muhammad Ikhsan Setiawan</i>		KEYNOTE-15 Entrepreneurship in STEM: Opportunities and Challenges <i>By: Bushra Jamil</i>		EESD_Paper_1 Application of Computational Intelligence and Machine Learning to Conventional Operational Research Methods. <i>By: Atif Ali</i>
	10:10 to 10:20	KEYNOTE-16 Fault Detection and Diagnosis based on Artificial Intelligence Machine Learning in Nonlinear Dynamic Distillation Column <i>By: Dr. Syed Ali Ammar Taqvi</i>		KEYNOTE-14 Characterization and Capacitive Performance Assessment of Potato Peels derived salt-induced porous Carbons <i>By: Prof. Dr. Najma Memon</i>	
10:20 to 10:30		EESD2022_Paper_21 Countermeasures of abutment scouring-An experimental approach <i>By: Zaka Ullah Khan</i>		KEYNOTE-17 Karachi Institute of Power Engineering (KINPOE) <i>By: Abdul Rehman Abbasi</i>	
	10:30 to 10:40	EESD2022_Paper_20 Experimental Investigation of Energy Dissipation through Mixed Densities of Vegetation <i>By: Sher Ali Khan</i>		EESD_Paper_141 The Network of Livestock Movements within Hyderabad Region: A Study of Temporary Livestock Market Projects. <i>By: Muhammad Azharuddin</i>	
10:40 to 10:50		EESD2022_Paper_51 Optimizing Fuel Generation Cost of Thermal Power Plants using Grasshopper Optimization Algorithm. <i>By: Waleed</i>		EESD_Paper_132 Assessment of Human Resource Management Function Deployment and Green HRM Initiative in Public Sector Higher Education Institutions (HEIs). <i>By: Muhammad Amin Junejo</i>	
	10:50 to 11:00	EESD2022_Paper_50 Study on Sustainable Mechanized Farming of Vegetables in Pakistan <i>By: Mahmood Riaz</i>		EESD_Paper_154 Development of Coal Briquettes from Coal Dust for Improving the Efficiency of Coal Fired Burner. <i>By: M. Huzaifa</i>	
11:00 to 11:10		EESD2022_Paper_55		EESD2022_Paper_9	

	Development and Performance Analysis of Photovoltaic Thermal Hybrid Solar Collector. <i>By: Abdul Haseeb</i>	Revamping Science Curriculum for Awareness of Renewable Energy Technology in Sindh <i>By: Bakhtawer Mallah</i>	Region: A Study of Temporary Livestock Market Projects. <i>By: Muhammad Azharuddin</i>
11:10 to 11:20	EESD2022_Paper_56 IOT based Smart Garbage Monitoring and Waste Collection System with Garbage Sorting Feature for Recycling. <i>By: Ghulam Shabir Memon</i>	EESD2022_Paper_32 Efficiency Analysis of a Small Vertical Axis Wind Turbine Using QBlade <i>By: Arshad Hussain</i>	EESD_Paper_60 A Review on Congestion Pricing Solutions to Tackle the Urban Traffic Congestion. <i>By: Zaid Khan</i>
11:20 to 11:30	EESD_Paper_74 The Impact of Wheat Straw Ash as a Partial Cement Replacement Material on Concrete Properties. <i>By: Ayaz Ahmed Babar</i>	EESD2022_Paper_38 Automatic Tripping and Resting of Fault Diagnostics Methods in Power System. <i>By: Syed Abid Ali Shah</i>	EESD_Paper_61 Smart Inclusive Cities: Transformative Worldview Based on Content Analysis Technique. <i>By: Rizwan Ali Memon</i>
Tea Break: 11:30 – 12:00 NOON			

Location→	Main Auditorium HALL		ROOM 2		ROOM 3	
Timing	Session – 9 Environment (Online)		Session – 10 Energy/ General		Session-11 Sustainable Development	
	Session Chair Prof. Dr. Arabella Bhutto	Session Secretary Dr. Awais Khatri	Session Chair Prof. Dr. Abdul Sattar Larik	Session Secretary Dr. M. Saad Memon		
Time: 12:00 NOON – 01:30 PM						
12:00 to 12:10	EESD_Paper_57 Experimental Study of Swirl Flow in a Cylindrical Container using Particle Image Velocimetry. <i>By: Tahir Javed</i>		EESD_Paper_72 Ecological Footprint Analysis in Academia: A case study of Mehran University of Engineering and Technology, Pakistan. <i>By: Uroosha Memon</i>		EESD2022_Paper_42 Does corporate social responsibility act as a catalyst in companies to maintain Sustainable development? An India Study <i>By: Kiran Batool</i>	
12:10 to 12:20	EESD_Paper_113 Techno-Economic Analysis of Standalone/Grid Connected Renewable Energy (Wind/Solar) System Using Hybrid Energy Modeling Tools Along China Pakistan Economic Corridor (CPEC) Route in Hunza District of Gilgit-Baltistan, Pakistan. <i>By: Muhammad Saadullah Khan</i>		EESD_Paper_89 Assessing the Factors of Green Supply Chain Management Practices in the Context of SMEs of Sindh. <i>By: Tanzeela Solangi</i>		EESD2022_Paper_62 On the Sustainable Air-Conditioning System for Cattle Farming in Pakistan <i>By: Hafiz M. U. Raza</i>	
12:20 to 12:30	EESD_Paper_120 Experimental Investigation of Evacuated Flat Plate Collector coupled with a Calorifier. <i>By: Hamza Saeed</i>		EESD_Paper_142 The Current Scenario of Renewable Energy Resources in Sindh. <i>By: Syed Abid Ali Shah</i>		EESD2022_Paper_71 Enhance the Sustainability by SDG 8 Initiative in Manufacturing Process of Textile Industry <i>By: Zehra K.</i>	
12:30 to 12:40	EESD_Paper_122 Design of Renewable Based Micro-grid for Remote Region in Pakistan. <i>By: Saleem Ullah</i>		EESD_Paper_145 Analysis of Nuclear Energy in Pakistan: Current, Future Challenges and Recommendations. <i>By: Zahid Hussain</i>		EESD2022_Paper_87 Sustainability Assessment Framework for Water and Sanitation Services in Pakistan <i>By: Muhammad Younas</i>	
12:40 to 12:50	EESD_Paper_126 Simulation of Geothermal Energy Obtained from Potential Oil and Gas Wells for Power Production Analysis. <i>By: Tahir Hussain Soomro</i>		EESD_Paper_146 Comparison of Stress and Deformation between Crane Hook with Various Cross Section. <i>By: Rajnesh Kumar</i>		EESD2022_Paper_95 Site Suitability Analysis for a Combined Cycle Power Plant in Shaheed Benazirabad using GIS based AHP Technique <i>By: Zain Ul Abidin Siyal</i>	
12:50 to 01:00	EESD_Paper_136		EESD_Paper_149		EESD2022_Paper_99	

	FPGA Based Multi-Algorithm Relay for Anti-Islanding Protection in Smart-Grids. <i>By: Usman Ahmed</i>	Enhance the Sustainability by SDG-8 Initiative in Manufacturing Process of Textile Industry <i>By: Kanwal Zehra</i>	Sustainable and Lean Management Practices in Construction Industry of Pakistan <i>By: Asadullah</i>
01:00 to 01:10	EESD_Paper_147 Experimental Investigation of Off-Grid Solar Thermal Water Heating System Integrated with Thermal Energy Storage System. <i>By: Hafiz Danish Bilal</i>	EESD2022_Paper_40 Bio Desulfurization of High Sulfur Lakhra Coal using Newly Isolated Bacteria. Optimization of Process Parameters. <i>By: Abdul Sattar Jatoi</i>	EESD_Paper_117 The Handicraft Industry is a Source of a Sustainable Economy and Its Impacts on the Socio-Economic Condition of Rural Women. <i>By: Komal Solangi</i>
01:10 to 01:20	EESD_Paper_107 A Proposed Underground Medium Voltage Feeder-Design Considering Ampacity and Temperature of Cable for High Rise Buildings in Pakistan <i>By: Muhammad Asif</i>	EESD2022_Paper_53 Wireless Electrical Power Transfer Using Resonance Method. <i>By: Syed Abid Ali Shah</i>	EESD_Paper_151 Simulation and Thermodynamic Analysis of ORC for Heat Dissipation from Gas Engine. <i>By: Masoud Taghavi</i>
01:20 to 01:30	EESD_Paper_118 Incipient Fault Detection in Active-Distribution Networks based on Time-varying Kalman Filter. <i>By: Faisal Mumtaz</i>	EESD2022_Paper_54 Renewable and Emerging Technologies. <i>By: Syed Abid Ali Shah</i>	EESD_Paper_152 Environmental Scio Economic Impacts of Thar Coal Dewater Mining Activity Sindh Pakistan. <i>By: Naeem A Mughal</i>
Lunch and Pray Break: 01:30 – 02:30 PM			

Location→	Main Auditorium HALL			
Timing	Session – 12 Multi-topics (Online)		Session – 13 Energy	Session – 14 Environment
	Session Chair Prof. Dr. Fareed Memon	Session Secretary Dr. Zulfiqar Ali Bhatti		
Time: 02:30 – 04:00 PM				
02:30 to 02:40	EESD_Paper_133 Assessing the Opportunity Cost of not Having a Home. <i>By: Rabel Ahmed Memon</i>	EESD2022_Paper_5 Energy from Crop Residues: Methane Generation, Potential, and Current Practices in Pakistan <i>By: Altaf Alam Noonari</i>	EESD2022_Paper_44 Effect of Temperature and its Duration on the Compressive Strength of Fly Ash based Geopolymer Concrete <i>By: Salman Ahmed Pathan</i>	
02:40 to 02:50	EESD_Paper_123 Optimal Sizing and Allocation of Black Start with Optimal Transmission Path Using Genetic Algorithm. <i>By: Saad Ullah Aftab</i>	EESD2022_Paper_7 Study of Physiochemical Characterization of Lignite Coal and Rice Husk Blends <i>By: Tarique Ahmed Memon</i>	EESD2022_Paper_65 Eco-Friendly Flame Retardant Finishing of Cotton by Using Banana Waste (i.e., Pseudo Stem Sap). <i>By: Pardeep Kumar Gianchandani</i>	
02:50 to 03:00	EESD_Paper_157 Techno-Financial-Environmental Analysis of Solar PV and Wind Power by using Levelized Cost of Electricity Approach <i>By: Nargis Rajput</i>	EESD2022_Paper_8 Electricity Power Transmission from Wind Power Plants of Jhampir Corridor, Prospects and Challenges <i>By: Faqeer Muhammad Laghari</i>	EESD_Paper_81 Manganese Oxide Coated in Granular Activated Carbon for Catalytic Decomposition of Aqueous Hydrogen Peroxide. <i>By: Asif Raza</i>	
03:00 to 03:10	EESD2022_Paper_46 Study on Assessment Methods for Human Thermal Comfort in Vehicles.	EESD2022_Paper_16 Performance Analysis of Combined Organic Rankine - Vapor Compression Refrigeration System Operated by Low Grade Thermal Energy	EESD_Paper_85 An Analysis of Rooftop Solar Photovoltaic Potential and Carbon Emission Reduction.	

	<i>By: Mahmood Riaz</i>	<i>By: Mohammad Ibrahim Soomro</i>	<i>By: Khubaib Zafar</i>
03:10 to 03:20	EESD_Paper_49 Study on Performance Evaluation of Cotton Boll Stripper.	EESD2022_Paper_25 Solar Powered Water Pump System	EESD_Paper_93 Natural Organic Matter Removal from Surface Water using Bio Adsorbent.
	<i>By: M. Abdul Haye Faisal</i>	<i>By: Syed Abid Ali Shah</i>	<i>By: Kanwal Asan Das</i>
03:20 to 03:30	EESD_Paper_108 Design and Modelling of Water Filtration Assembly Incorporating Graphene Embedded Membrane.	EESD2022_Paper_58 Design & Development of a New High Speed, Low Cost Switched Reluctance Motor Converter system for Electric Vehicle.	EESD_Paper_97 Indoor Air Quality Assessment of Residential Buildings in Cold Semi-Arid Climates.
	<i>By: Hira Amjad</i>	<i>By: Syed Abid Ali Shah</i>	<i>By: Waqas Ahmed Mahar</i>
03:30 to 03:40	EESD_Paper_45 Artificial Neural Network (ANN) for Analyzing the Dehumidification Performance of Desiccant Air-Conditioning System.	EESD2022_Paper_59 Renewable Energy and Emerging Technology.	EESD_Paper_98 Enviro-economic Analysis of Solar Thermal-PV Operated Multi-commodity Cold Storage.
	<i>By: Muhammad Uqba Bin Ubaid Butt</i>	<i>By: Syed Abid Ali Shah</i>	<i>By: Malik Shahzaib</i>
03:40 to 03:50		EESD2022_Paper_63 Current Scenario of Renewable Energy Resources in Sindh.	EESD_Paper_100 Influence of Ternary Blends in Compression Ignition Engine on Exhaust Gas Temperature.
		<i>By: Syed Abid Ali Shah</i>	<i>By: Faheem Ahmed Solangi</i>
03:50 to 04:00		EESD_Paper_64 Improving the Performance of DFIG Based WECS Using Vector Oriented Control Scheme: A Case Study of 49.5MW GE Wind Power Plant Jhampir.	EESD_Paper_103 Assessment of Groundwater Quality using Water Quality Index for Drinking Purpose: A case study of Manchar Lake.
		<i>By: Shankar Singh Rajput</i>	<i>By: Sultan Shaikh</i>
CONCLUDING CEREMONY: 04:00 – 05:30 PM			

PROGRAM CONCLUDING CEREMONY

04:00	Guests to be Seated
04:15	Recitation of Holy Quran by Hafiz Abdul Aziz Memon
04:20	Conference Report and Recommendation by Prof. Dr. Tanweer Hussain , (Conference Co-Chair)
04:30	Presidential Address by Prof. Dr. Muhammad Aslam Uqaili , Honorable Vice-Chancellor, Mehran University of Engineering & Technology, Jamshoro
04:45	Address by Vice-Chancellor Ziauddin University, Karachi
05:00	Address by the Chief Guest Mr. Imtiaz Ahmed Shaikh , Honorable Minister for Energy, Government of Sindh
05:15	Vote of Thanks by Dr. Samandar Ali Malik , Conference Co-Chair
05:30	Hi-Tea

DAY 3 – WEDNESDAY, 19 JANUARY 2022
FIELD VISIT
END of Conference