

ICSDC-2023



16^{тн} - 18^{тн} February 2023

MEHRAN UNIVERSITY OF ENGINEERING AND TECHNOLOGY JAMSHORO

DAY 01 – THURSDAY, FEBRUARY 16, 2023

OPENING CEREMONY, MAIN AUDITORIUM, MUET, JAMSHORO

FROM	ТО				
8:30	9:30	Entry of Participants On Desk Registration and Confirmation of Participants & Seating			
9:30	9:35	Recitation from the Holy Quran			
9:35	9:40	National Anthem			
9:40	9:45	Recognition of Keynote Speakers			
9:45	9:50	Recognition of Sponsors			
9:50	10:00	Welcome By Conference Chair			
10:00	10:10	Conference Overview by Conference Secretary			
10:10	10:25	Speech by Chief Guest/Vice- Chancellor, MUET, Jamshoro			
	HI-TEA (10:30 TO 11:15)				



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PLENARY SESSION-I (MAIN AUDITORIUM)

Tir	TimeChair: Prof. Dr. Rasool Bux Mahar		Co-Chair: Prof. Dr. Agha Faisal Habib		
FROM	то	PLENARY TALK	NAME	AFFILIATION	TITLE
11:15	11:35	Plenary Talk 1	PROF. DR. DOUGLAS BARRETO	FEDERAL UNIVERSITY OF SAO CARLO, BRAZIL	Efficiency of cities and buildings – Mains aspects for achieving the UN Sustainable Development Goals (SDGs)
11:35	11:55	Plenary Talk 2	DR. JAMAL THAEEM	DEAKIN UNIVERSITY, AUSTRALIA	Circular Built Environment – A New Paradigm For Sustainable Construction
11:55	12:15	Plenary Talk 3	DR. NUR IZZI	UNIVERSITI KEBANGSAAN MALAYSIA	Recent Development of Sustainable Asphalt Technology
			PLENAR	Y SESSION-II (MAIN AUDITOR	IUM)
Tir	Time Chair: Prof. Dr. Kamran Ansari		Co-Chair: Prof. Dr. Naeem Aziz Memon		
FROM	то	PLENARY TALK	NAME	AFFILIATION	TITLE
12:15	12:30	Platinum Sponsor Talk	ENGR. AHMED WAHEED BHATTI	M/S D-Baluch	Overview of Various Projects- A Sustainable way
12:30	12:50	Plenary Talk 4	DR. KHAN SHAHZADA	Department of Civil Engineering University of Engineering and Technology, Peshawar	Sustainability-based Innovations in Construction Materials and Structures
12:50	13:10	Plenary Talk 5	DR. KHAN ZAIB JADOON	International Islamic University Islamabad	Implementation of smart groundwater monitoring system for sustainable groundwater management
13:10	13:30	Plenary Talk 6	Dr. SHAMSHER SADIQ	Mirpur University of Science and Technology (MUST), Mirpur, Azad Kashmir	Evaluation of Seismic Site Amplification Characteristics of Shallow Bed Rock Sites Considering local Pakistan's Profile Data
13:30	13:35	Shield Distribution			
13:35	15:00	Prayer & Lunch Break			



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TECHNICAL SESSION 1				
	AUTHORS	AND PARTICIPANTS SEATING (15:00 - 15:15)		
SESSION NUMBER	TECHNICAL SESSION 1A	TECHNICAL SESSION 1B	TECHNICAL SESSION 1C	
VENUE	Software Laboratory-II	Seminar Library	Seminar Hall	
THEME	Sustainable Construction and Project Management	Sustainable Material and Innovative Structures	Smart Methods of Irrigation, Public Health, and Geotechnical Engineering	
SESSION CHAIR	Dr. Mohsin Soomro	Prof. Dr. Khan Shahzada	Prof. Dr. Khan Zaib Jadoon	
SESSION CO-CHAIR	Dr. Aftab Hameed	Prof. Dr. Fareed Memon	Prof. Dr. Ashfaque Memon	
TIME SLOT		PAPERS TO BE PRESENTED		
15:00-15:15	ID: 10 Sustainability Assessment of Civil Engineering Projects: The Case of Pakistan Asmat Ali, Ameer Haider, Raja Fahad Khalid and Ejaz Ahmed	ID: 19 Effect of industrial waste products on Mechanical and durability performance of concrete <i>Abdul Salam Buller, Fahad Ul Rehman Abro, Tariq Ali</i> <i>and Muhammad Nadeem</i>	Keynote Talk by Prof. Dr. Ing. Saqib Ehsan (online) Detailed Study To Investigate Possible Groundwater Recharge Options For Cities In Pakistan	
15:15 - 15:30	ID: 30 Green Retrofitting of an existing building envelope by integrating 6D BIM-based energy optimization model: A case study Shizra Mughal, Tauha Hussain Ali, Ali Raza Khoso, Haris Najeeb and Muhammad Sufyan Noor Khan	ID: 21 Effect of magnetically treated water on workability and Compressive strength of concrete <i>Maroosha Larik and Fareed Ahmed Memon</i>	ID: 15 Water Monitoring System Using Internet of Thing IOT: Critical Review Malaika Shaikh, Azad Ali, Riaz Ahmed and Babar Ali Shaikh	
15:30 - 15:45	ID: 56 Construction Waste Management Potentials of Building Information Modelling (BIM): A State- of-the-Art Review <i>Mahweer Kumar, Muhammad Saleem Raza and Asif</i> <i>Shah</i>	ID: 36 Finite Element Analysis: Method, Verification and Validation Darya Memon, Shazia Paras Shaikh and Muneer Anees	ID: 33 Impact of Lime on Compaction Characteristics of Jamshoro Shale shiah, Nouman Ali, Muhammad Behram and Aneel Kumar	



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15:45 - 16:00	ID: 34 Adaptive and sustainable design for building construction in the face of climate change Hifza Miss and Hassan Tariq	ID: 37 Properties of concrete incorporating Recycle Concrete Aggregates: a sustainable approach Najia Siddiqui, Darya Memon and Javeria Manzoor Shaikh	ID: 60 Geotechnical properties of expansive soil treated with alkali-activated brick dust Arshad Ullah, Sarfraz Ahmed and Muhammad Saqib
16:00 - 16:15	ID: 57 Building Information Modelling (BIM) based Framework for Construction and Demolition Waste Estimation and Management Abdul Mueed Yousfani, Muhammad Saleem Raza, Muhammad Ali Moriyani and Tauha Hussain Ali	ID: 39 Effect of Coir fiber on Flexural Strength of Concrete maintaining Uniform Workability <i>Muhammad Farhan, Fahad Ali Shaikh, Muhammad</i> <i>Amaan and Sarfaraz Ahmad</i>	ID: 81 Determination of Water Requirements and Irrigation Scheduling for Some Major Crops In Sindh Pakistan Using Cropwat Model <i>Ateeque Rehman Sarki, Dr. Ashfaque Ahmed Memon</i> <i>and Dr. Shafi Muhammad Kori</i> ID: 108 Reservoir Modeling By Using HEC-ResSim - A Case Study Of Tarbela Reservoir
16:15 - 16:30	-		Saqib Ehsan, Muhammad Usman, Muhammad Ahmed Munir, Abdullah Akram, Muhammad Taqi
16:30 - 16:45		CERTIFICATE DISTRIBUTION	
16:45 - 17:15	TEA SERVING		
19:00 - 22:00		MUSICAL NIGHT AND GALA DINNER	



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	DAY 02 – FRIDAY, FEBRUARY 17, 2023				
	TECHNICAL SESSION 2				
SESSION NUMBER	TECHNICAL SESSION 2A	TECHNICAL SESSION 2B	TECHNICAL SESSION 2C		
VENUE	Software Lab-II	Seminar Library	Seminar Hall		
THEME	Sustainable Construction and Project Management	Sustainable Material and Innovative Structures	Sustainable Urban Planning and Architecture		
SESSION CHAIR	Dr. Saad Memon	Dr. Shamsher Sadiq	Prof. Dr. Ashfaque Pathan		
SESSION CO-CHAIR	Dr. Jam Shahzaib	Dr. Zaheer Almani	Prof. Dr. Mir Aftab Talpur		
TIME SLOT		PAPERS TO BE PRESENTED	-		
09:00 - 09:15	Keynote Talk by Dr. Norwati Binti Jamaluddin (online)- Universiti Tun Hussein Onn Malaysia Research and design developments in concrete filled steel tube column structures	ID: 46 Structural Performance of GFRP Reinforced Concrete Frames Sana, Rabinder Kumar and Irtaza Anwar Mughal	ID: 25 Measuring the Covid-19 Impact on Urban Development Patterns Considering Spatial Modelling Sana Safdar Arain, Hina Waheed Jokhio, Muhammad Yousif Mangi, Vinesh Soniya Kumar and Ruqia Sangrasi		
9:15- 9:30	Keynote Talk by Dr. Rizwan Farooqui (online) Construction 4.0 – Concepts and Emerging Technologies	ID: 47 Determination of Pozzolanic Activity of Buffalo Dung ash to Utilize as Cement Replacement Material in Concrete Mashood Rehman, Fahad Ali Shaikh, Abdul Rehman, Talha Hussain and Abdul Manan	ID: 118 Window Views in Urban Setting: Impact on Apartment Dwellers in Hyderabad Sara Tanveer, Dr. Sabeen Qureshi		
9:30 – 9:45		ID: 49 Effect of Various Cement Brands On The Properties Of Concrete Abhishek Kumar, Azizullah Jamali, Faique Ali and Mubashir Sheikh	ID: 52 Analytical Assessment of Urban Stress in Public and Cooperative Housing Schemes with Perspective on Neuro-Urbanism: Case Studies of Johar Town and WAPDA Town, Lahore City, Pakistan Amna Azeem and Moosa Lakhani		
9:45-10:00	ID: 62 Cost Analysis and Economical Suitability of Prefabricated Concrete Structures in Building Construction	ID: 51 Effect of Cow Dung Ash and Recycled Coarse Aggregate on Hardened Properties of Concrete Abdul Manan, Azizullah Jamali, Talha Hussain and Mashood Rehman	ID: 75 Measuring the Impact of Urbanization and Land Use Changes on Agricultural Land: A Case Study of Qasimabad Taluka, Hyderabad City		



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	Fatima Naz, Safeer Ahmed, Nafees Ahmed Memon and Noman Ahmed		Rabia Gill, Saima Kalwar and Noman Sahito
10:00-10:15	ID: 64 Green Retrofitting Of An Existing Building Envelope By Integrating BIM-Based Maximum Thermal Comfort Model: A Case Study <i>Muhammad Sufyan Noor Khan, Tauha Hussain</i> <i>Ali, Ali Raza Khoso, Muhammad Saleem Raza,</i> Haris Najeeb and Shizra Mughal	ID: 72 To investigate the effect of locally available jute on Properties of concrete. <i>Muqadas Thebo, Samar Hussain Rizvi and Muhammad</i> <i>Rashid</i>	ID: 79 Urban Renewal of the Commercial Areas: A Case Study of Jhelum Cantonment Shaharyar Brohi, Muhammad Yousif Mangi, Abdul Latif Mari, Mehtab Abbasi and Muneeba Chhipa
10:15 - 10:25	ID: 71 Framework for Enhancing Adoption of Green Buildings Construction in Pakistan Raheel Ahmed Shahani, Anees Ahmed Vighio, Naveen Jaisani, Ali Raza Khoso and Dilsher Khan Odho	ID: 73 Effect Of Silica Fume As Partial Replacement Of Cement On Compressive Strength Of Concrete Shahzad Ali, Muhammad Fahad Ali and Absar Amir, Muhammad Ammar	ID: 44 Bio-Climatic Architecture For Rural Area Of Hyderabad Asifa Rasool, Sara Tanveer and Raheela Laghari
10:25-10:40	ID: 110 Challenges in Implementing Constructability in Construction Industry – A Systematic Review. <i>Amir Hamza Rashdi, Dr. Ali Raza Khoso, Dr.</i> <i>Rizwan Ul Haque Farooqi</i>	ID: 74 Exact solution of Timoshenko beam equations subjected to varying loads - a generalization Hafeezullah Channa, Muhammad Mujtaba Shaikh and Kamran Malik	ID: 111 USPCAS-W Initiative of Bicycle & Its Closure Rida Zaman, Arabella Bhutto, Adnan Pitafi, Fabiha Khan, Aifaz Ahmad Uqaili
10:40 - 10:55	ID: 117 Limitations in Current Construction Practices of Public Sector Building Projects in Sindh Jazib Bashir Shaikh, Dr Nafees Ahmed Memon, Anees Ahmed Vighio, Aftab Hameed Memon, Zubair Ahmed	ID: 76 Determination Of Manning's Roughness Coefficient Of Locally Manufactured Pressed Clay Brick And First-Class Brick Muhammad Musawir Ali Rajpar, Ashfaque Ahmed Memon, Bilal Ahmed Shaikh and Ashhad Hussain Memon	ID: 17 Sustainable Solution For Uplifting Of Local Markets Of Hyderabad Ammara Kaynat, Mazhar Rizvi, Ali Raza Khoso
10:55 - 11:10	ID: 119 E-Procurement And Supply Chain Performance In The Construction Industry Of Pakistan Zubair Ahmed, Dr Nafees Ahmed Memon, Anees Ahmed Vighio, Jazib Bashir Shaikh, Abdul Rehman Kori	ID: 84 Experimental Investigation of Eco-Friendly Concrete Made Of Bentonite And Dolomite (Muzaffarabad Kamsar Quarry Dust) Israr Ahmad Awan, Syed Saqib Mehboob and Raja Wajahat Zahoor Khan	
11:10 - 11:30		TEA BREAK	



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	DAY 02 - FRIDAY, FEBRUARY 17, 2023				
	TECHNICAL SESSION 3				
SESSION NUMBER	TECHNICAL SESSION 3A	TECHNICAL SESSION 3B	TECHNICAL SESSION 3C		
VENUE	Software Lab-II	Seminar Library	Seminar Hall		
THEME	Sustainable Construction and Project Management	Sustainable Material and Innovative Structures	Intelligent Systems in Highway and Traffic Engineering		
SESSION CHAIR	Prof. Dr. Nafees Ahmed Memon	Prof. Dr. Abdullah Sand	Prof. Dr. Agha Faisal Habib		
SESSION CO- CHAIR	Dr. Jam Shazaib	Prof. Dr. Zaheer Almani	Prof. Dr. Naeem Aziz Memon		
TIME SLOT		PAPERS TO BE PRESENTED			
11:30 - 11:45	ID: 122 Causes Of Conflicts Due to Contractual and Technical Problems In Building Construction Projects Saifullah Abbasi, Nafees Ahmed Memon, Anees Ahmed Vighio, and Marina Stoian	ID: 85 Design And Comparison of RCC Building Using Integrated BIM-Based Design Workflow Muhammad Yousaf, Muhammad Habib, Mohammad Sohaila, Muhammad Tayyaba, Muhammad Javedan	Keynote Talk by Prof. Dr. Naveed Ahmed (online) Durability/Moisture Susceptibility Of Asphalt Concrete		
11:30- 11:45	ID: 123 Tasks And Practices Involved In Conceptual Phase To Improve Construction Productivity <i>Kanwar Ram, Aftab Hameed Memon, Nafees Ahmed</i> <i>Memon, Satram Das, Nicolae Postavaru</i>	ID 97 Effect of Recycled Porcelain-Ceramic Aggregates on Concrete: A Review <i>Mohsin Ali Bhutto and Mehran Sudheer</i>	ID: 11 Exploring The Issue of Transportation Within MUET, Jamshoro Rida Zaman, Prof Dr Arabella Bhutto, Dr Adnan Pitafi, Fabiha Khan and Aifaz Uqaili		
11:45- 12:00	ID: 125 Quantification of the Non-Biodegradable Waste Through Empirical Model Maham Imtiaza and Abdul Razzaque Sahito	ID: 112 Utilization Of Bacterial Concrete for Repair Works Syed Rafay Ali Bukhari, Syed Talha Ahmed, Ali Raza Khoso, Muhammad Taha	ID: 28 Development of Guidelines for Road Safety Education – A Way Forward Approach in Motorizing Countries Khawaja Sheeraz, Dr. Naeem Aziz Memon, Dr. Nafees Ahmed Memon, Dr. Aftab Hameed Memon and Khawaja Jamal Ahmed		



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12:00-12:15	ID: 126 Development of the Model to Estimate the Biodegradable Solid Waste Generation Rate <i>Saheba Memon and Abdul Razaque Sahito</i>	ID: 114 Enhancing Mechanical Properties of Concrete Using Industrial Waste Materials Engr Norheen amina, Engr Habiba Mohsin, Engr Amna Irfan, Engr Hira Ishtiaq, Ihsan Shahbaz	ID: 29 Comparative Analysis for Base Materials of Flexible Pavement through Standard Combinations of Aggregates and Lab Procedures Syed Faraz Jafri, Dr. Naeem Aziz Memon, Dr. Rizwan Ali Memon and Kamran Khan
12:15-12:30	ID: 127 Barriers towards the Adoption of E-Procurement in Construction Industry of Sindh Pakistan Raja Zulquarnain Nizakat , Anees Ahmed Vighio, Dr. Nafees Ahmed Memon and Danish Talpur	ID: 107 Effect of Acid and Chloride Attack on Durability Properties of Mortar Containing Fly Ash <i>Raja Wajahat Zahoor Khan, Muhammad Yaqub, Raja</i> <i>Shujahat Zahoor Khan</i>	ID: 38 A Review on Congestion Pricing Solutions to Tackle the Urban Traffic Congestion Zaid Khan
12:30-12:45	ID: 128 An empirical study on the cost of collection of the MSW - A case study of Hyderabad Siddiqa Soomro, Abdul Razzaque Sahito, Maham Imtiaz, Sahiba Memon	-	ID: 59 Effects Of Waste Engine Oil And Crumb Rubber On Physical Properties Of Bitumen <i>Muhammad Fahad Ali, Dr. Rizwan Ali Ali Raza</i> <i>Lashari, Muhammad Hamza Siddiquia, Aisha Ahmed</i>
12:45-13:00	ID: 109 An Expert System for Disputes Avoidance in Highways, Public Sector Projects of Pakistan Construction Industry Saeed Ahmed, Nafees Ahmed Memon, Tauha Hussain Ali, Aftab Hameed Memon, Ali Raza Khoso	-	ID: 61 Empirical Analysis of Level of Service Based on Users Perception at Hyderabad Toll Plaza <i>Aisha Ahmed, Muhammad Fahad Alia and Shoaib</i> <i>Abdullah</i>
13:00-13:15		CERTIFICATE DISTRIBUTION	
13:15 - 15:00		PRAYER & LUNCH BREAK	



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DAY 02 – FRIDAY, FEBRUARY 17, 2023

CONCLUDING CEREMONY - USPCAS-W AUDITORIUM, MUET JAMSHORO

Time		Activity		
From	То	Activity		
15:00	15:05	Guests to be seated		
15:05	15:10	Recitation of Holy Quran		
15:10	15:25	Keynote Talk by Sheikh Muhammad Farooq		
15:25	15:30	Conference Achievements by Conference Co-Secretary		
15:30	15:35	Conference Recommendations by Conference Co-Chair		
15:35	15:50	Speech by Chief Guest		
15:50	16:00	Announcement & Shield Distribution for the Best Paper Award, Shield Distribution to Conference Sponsors		
16:00	16:15	Shield & Certificate Distribution to Conference Organizing Team		
16:15	16:20	Vote of Thanks by Conference Patron- Dean Faculty of Architecture & Civil Engineering		
	TEA SERVING (16:20 TO 16:40)			
	DAY 03 – SATURDAY, FEBRUARY 18, 2023			
	FIELD VISIT (08:30 TO 16:30)			