

ICEC 2020 Parallel Technical Sessions
Day 1- Friday, March 13, 2020
PARALLEL TECHNICAL SESSIONS
17:00-18:30

<p style="text-align: center;">Technical Session 1 Structural Engineering Time: 17:00-1830 Venue: Civil Video Conferencing Hall, NEDUET Session Chairs TBD</p>	<p style="text-align: center;">Technical Session 2 Water Resource Engineering Time: 17:00-18:30 Venue: CIS Lecture Hall, NEDUET Session Chairs TBD</p>	<p style="text-align: center;">Technical Session 3 Construction Engineering Time: 17:00-18:30 Venue: Mechanical AV Hall, NEDUET Session Chairs TBD</p>
<p>Seismic Performance of Moment Resisting Reinforced Concrete Frames under Code Compatible Ground Motions</p> <p><i>Naik Muhammad, Abd Ullah, Mahnoor Mirwani, Faiza Nadeem and Saeed Ullah Jan Mandokhail</i></p>	<p>Numerical Modelling of Three-Dimensional Flow Structure in Open Channel having Patches of Aquatic and Riparian Vegetation</p> <p><i>Muhammad Asif and Usman Ghani</i></p>	<p>Comparison of Green Building Rating Tools by Assessment of Residential Apartment</p> <p><i>Usman Hussain and Shujaa Safdar</i></p>
<p>Fire Protection and Safe Evacuation Issues for Congested Areas in Pakistan</p> <p><i>Muhammad Imran</i></p>	<p>Experimental Investigation on Different Geometrical Shapes of Dual Bridge Pier Scouring</p> <p><i>Akhtar Abbas and Usman Ghani</i></p>	<p>Resource Procurment and handling Issues Generating Waste in Construction Projects</p> <p><i>Shahzad Ali, Aftab Hameed Memon, Tauha Hussain Ali, Shabir Hussain Khahro, Nafees Ahmed Memon</i></p>
<p>Condition Assessment of an Aging Bridge: A Case Study</p> <p><i>Rashid Ahmed Khan, Aslam Faqeer Mohammad, Abdul Jabbar Sangi and Amir Nizam</i></p>	<p>A Ninth Century Earthquake induced Landslide Breaching and Downstream flood impact assesment on River Jhelum</p> <p><i>Muntaha Ateeq, Roger Bilham and Imran Ahmed</i></p>	<p>An ultimate Reward-based Blockchain deployment for road user safety</p> <p><i>Muhammad Mursaleen, M. Abdul Aziz ,Ijaz Nazir Mehrr</i></p>
<p style="text-align: center;">Invited Talk from Industry by Engr. Najeeb Haroon</p>	<p style="text-align: center;">Invited Talk from Industry by Engr. Dr. Bashir Lakhani</p>	<p style="text-align: center;">Invited Talk from Industry by Engr. Balal Khawaja</p>

ICEC 2020 Parallel Technical Sessions
Day 2- Saturday, March 14, 2020
PARALLEL TECHNICAL SESSIONS
9:30am to 11:00am

Technical Session 4 Water Resource Engineering Time: 9:30am to 11:00am Venue: Engr. Asfia Aleem Hall Session Chairs TBD	Technical Session 5 Structural Engineering Time: 9:30am to 11:00am Venue: IEP Convention Centre Session Chairs TBD	Technical Session 6 Materials Engineering Time: 9:30am to 11:00am Venue: Dr. S.A. Hassan Hall Session Chairs TBD	Technical Session 7 Construction Engineering Time: 9:30am to 11:00am Venue: Seminar Hall Session Chairs TBD
Impact on Local Scouring Around Bridge Pier by Submerged Trapezoidal Broad Crested Weir <i>Muhammad Asadullah and Naeem Ejaz</i>	Effects of Stirrup,s spacing on the confinement, ductility, strength and curvature of circular column using matlab cumbia code <i>Syed Waqar Younas, Dr. Shahid Ullah, Tawqeer Alam and Bilal Siddiq</i>	A review on observed flaws in bricks and their possible sustainable remedies for local construction <i>Waleed Raza, Faiza Khalid and Majid Ali</i>	Adoption of Building Information Modeling (BIM) in Construction Industry of Pakistan: Benefits and Barriers <i>Muhammad Saleem Raza, Danish Kumar, Hassnain Nawab, Aqeel Murtaza, Shoaib Farooq and Zaid Khan Pathan</i>
Investigating the Effects of Finite Length Rigid Emergent Vegetation on Inland Flood Attenuation <i>Kamran Tariq, Ghufran Ahmed Pasha, Norio Tanaka, Usman Ghani and Afzal Ahmed</i>	Comparative study on seismic analysis and design of high-rise building using static and dynamic analysis by Etabs <i>Abrar Ahmad, Mamoon Riaz, Tayyab Zafar and Kanwar Kashif Zulfiqar</i>	A Review On Different Influential Factors And Techniques For Evaluating Bonding Between Asphalt Overlay And Concrete Pavement <i>Muhammad Ali Tariq, Muhammad Usman Farooqi and Majid Ali</i>	Schedule performance in dam construction projects of Sindh <i>Sohail Ali Mallah, Nafees Ahmed Memon, Aftab Hameed Memon, Samiullah Sohu, Naeem Aziz Memon</i>
To Investigate the Breaching Phenomenon of a Fuse plug <i>Zain Ud Din, Ghufran Ahmed Pasha, Usman Ghani and Afzal Ahmed</i>	Improvement In Impact Resistance Of GFRP Reinforced Concrete Wall Panels Using Jute Fibres <i>Shehryar Ahmed and Majid Ali</i>	Effect of Fly Ash and Polypropylene Fiber on Compressive Strength of Concrete at Normal as Well as Elevated Temperatures <i>Ghulam Qanber and Faisal Shabbir</i>	Use of BIM Tools In Highway Transportation System In Developed Countries - A Review <i>Misbah Ur Rehman, M. Usman Farooqi and Majid Ali</i>
	Numerical investigation of GFRP Reinforced Non-Circular Concrete Column with Fibre-glass Grating Mesh (FGM) Ties <i>Muhammad Fawad Rashid, Afaq Ahmad and Mohamed Elchalakani</i>	Utilization of Natural Fibers in Concrete for Improving Behavior of Non-Structural Elements – A Review <i>Ahsan Abbas, Ali Ejaz and Majid Ali</i>	Sustainable Construction in Balochistan: Issues and Challenges <i>Shakeel Ahmed, Syed Abdullah Shah Hashmi, Salah Uddin, Nafees Ahmed Memon</i>
Invited Talk from Industry	Invited Talk from Industry	Invited Talk from Industry	Invited Talk from Industry

ICEC 2020 Parallel Technical Sessions
Day 2- Saturday, March 14, 2020
PARALLEL TECHNICAL SESSIONS
11:15 to 13:15

<p style="text-align: center;">Technical Session 8 Water Resource Engineering Time: 11:15 to 13:15 Venue: IEP Convention Centre Session Chairs TBD</p>	<p style="text-align: center;">Technical Session 9 Structural Engineering Time: 11:15 to 13:15 Engr. Asfia Aleem Hall Session Chairs TBD</p>	<p style="text-align: center;">Technical Session 10 Materials Engineering Time: 11:15 to 13:15 Venue: Dr. S.A. Hassan Hall Session Chairs TBD</p>	<p style="text-align: center;">Technical Session 11 Geotechnical Engineering Time: 11:15 to 13:15 Venue: Seminar Hall Session Chairs TBD</p>
<p>Water Saving Techniques in Civil Engineering Department of Mehran UET Jamshoro <i>Haresh Kumar, Ashfaqe Ahmed Pathan, Abdul Waheed Kalhoro, Jaipal Rathore and Kelash Kumar</i></p>	<p>SFRC specimens under increasing compressive loading rates <i>Laiba Ayub, Minza Mumtaz and Shamsoun Fareed</i></p>	<p>Analysis of Adhesion and Moisture Susceptibility of Different Modified Bitumen Using Bitumen Bond Strength and Rolling Bottle Testing Techniques <i>Muhammad Sohail Jameel, Naveed Ahmad, Syed Bilal Ahmed Zaidi, Hafiz Ammar Zahid, Sohail Iqbal and Muhammad Tausif</i></p>	<p>Soil reinforcement by using geotextile <i>Asif Nazir, Usama Khan, Rana Muhammad Umar Farooq and Muhammad Abrar</i></p>
<p>Integration of Low Head Turbine with Wastewater for Power Generation: A Case Study <i>Musab Waqar, Hammad Khalid and Ibtihaj Ahmed</i></p>	<p>Influence of Asymmetry on Local Damage Response of Plan-Asymmetric Reinforced Concrete Structure <i>Zeshan Alam</i></p>	<p>Use of admixtures in improving bonded asphalt overlay on concrete pavements-A critical review <i>Minhas Shah, Muhammad Usman Farooqi and Majid Ali</i></p>	<p>Treatment of expansive soil by using silica fume <i>Asif Nazir, Usama Khan and Rana Muhammad Umar Farooq</i></p>
<p>Study of the flow characteristics around permeable and impermeable spur dike in an open channel <i>Sohail Iqbal, Ghufraan Ahmed Pasha and Usman Ghani</i></p>	<p>Experimental Research on Post-Fire Repair of RC T-Beams Using Method of Curing <i>Salman Khan, Muhammad Yaqub, Muhammad Noman and Muhammad Usman Rashid</i></p>	<p>Assessment of asphalt overlay performance over concrete bridge deck <i>Syed Zulnorain Ali, Majid Ali and Usman Farooqi</i></p>	<p>Foundation on Swelling Soils <i>Farooq Fazal</i></p>
<p>Effect of submerged vegetation with increasing patch density on the flow structure <i>M. Hasnain Tariq</i></p>	<p>Behavior of interlocking plastic-block wall with opening under harmonic loading using locally developed shake table <i>Mehran Sudheer and Majid Ali</i></p>	<p>Comparative study of concrete properties using different coarse and fine aggregate abundantly available in Pakistan <i>Asif Nazir, Usama Khan and Rana Muhammad Umar Farooq</i></p>	<p>Evaluation of Fatigue Characteristics of Reclaimed Asphalt Pavement (RAP) Binder <i>Muhammad Hammad Hassan</i></p>
<p style="text-align: center;">Invited Talk from Industry</p>	<p style="text-align: center;">Invited Talk from Industry</p>	<p style="text-align: center;">Invited Talk from Industry</p>	<p style="text-align: center;">Invited Talk from Industry</p>

ICEC 2020 Parallel Technical Sessions
Day 2- Saturday, March 14, 2020
PARALLEL TECHNICAL SESSIONS
14:00 to 16:00

Technical Session 12 Structural Engineering Time: 14:00 to 16:00 Venue: Engr. Asfia Aleem Hall Session Chairs TBD	Technical Session 13 Materials Engineering Time: 14:00 to 16:00 Venue: Dr. S.A. Hassan Hall Session Chairs TBD	Technical Session 14 Structural Engineering Time: 14:00 to 16:00 Venue: Seminar Hall Session Chairs TBD	Technical Session 15 Infra-structure Engineering Time: 14:00 to 16:00 Venue: IEP Convention Centre Session Chairs TBD
A critical review on limitations of non-linear analysis of multi-storey structures <i>Asma Bashir, S ana Gul and Majid Ali</i>	Effect of Rice Husk Ash on Properties of Self Compacting Concrete Containing Marble Powder <i>Muhammad Hamza Irshad and Ayub Elahi</i>	Energy Dissipation in 3D Structure With Multiple Uplifts at Column Bases <i>Hassam Ud Din and Majid Ali</i>	Analyzing the mobility of multi-lane highway using travel time as a performance measure <i>Jamal Khan, Muhammad Khurshid, Arshad Hussain and Muhammad Iqbal</i>
Influence of Jute Fibre and GFRP Rebars in Compressive and Dynamic Behavior of Prototype Thin Shear Concrete Walls <i>Abaid Ur Rehman and Majid Ali</i>	Effect of Heavy Weight Magnetite Aggregate on Mechanical and Radiation Shielding Properties of Concrete <i>Muhammad Umair Anwar and Ayub Elahi</i>	Performance Comparison of Circular and Rectangular Cross-Sectioned FRP Stirrups <i>Muhammad Tahir and Zhenyu Wang</i>	PERFORMANCE EVALUATION OF MRF UNDER REAL AND ARTIFICIAL GROUND MOTIONS: A Study of Quetta Region Baluchistan <i>Naik Muhammad, Farhad Khan, Muhammad Umar, Abdul Samad, Muhammad Ibrahim, Najeebullah</i>
Identification of cracks in concrete by visual inspection and recommendation for their repair - case studies <i>Kapil Dev</i>	Effect of Waste Glass Powder on the Fresh and Hardened Properties of Concrete <i>Naraindas Bheel, Santosh Kumar Meghwar, Zubair Hussain Shaikh, Rameez Ali Abbasi, Irfan Ali Shar, Ali Aizaz Dayo</i>	Out-of-plane behavior of mortar-free interlocking solid-walls under seismic loading – A review <i>Sohail Afzal and Majid Ali</i>	Seismic Analysis and Design of Elevated Water Tower – A Review <i>Muhammad Bahram Tufail Kiani and Majid Ali</i>
Finite element modelling of uplift in structures - a review <i>Irfan Waris and Majid Ali</i>		Performance evaluation of moment resisting frame under real and synthetic ground motions <i>Naik Muhammad, Farhad Khan, Muhammad Umar, Abdul Samad, Muhammad Ibrahim, Najeeb Ullah and Saeed Ullah Jan Mandokhail</i>	
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