



CONFERENCE PROGRAM

Joining MS team (08:30 HRS TO 09:00 HRS)

Platform: CSCE-Session1

Session Chair: Engr. Iqbal Ahmad

Assistant: Engr. Sana Gul

Note: All participants are requested to join the online session.

INAUGURATION (09:00 HRS TO 09:15 HRS)

Platform = CSCE-Session1

Session Chair: Engr. Dr. Ishtiaq Hassan
Assistant: Engr. Muhammad Usman Farooqi

Time	Activity
09:00 to 09:05	Opening and Recitation
09:05 to 09:10	Welcome by VC, CUST

KEYNOTE LECTURES (09:15 HRS TO 10:15 HRS)

Platform = CSCE-Session1

Session Chair: Engr. Dr. Syed Shujaa Safdar Gardezi
Assistant: Engr. Abdul Qadeer

09:15 to 09:35	The impact of Civil Engineering on Humanity	Dr. Qaisar Ali VC <i>UET Peshawar, Pakistan</i>
09:35 to 09:55	Current trends of Bridge Engineering in Pakistan	Dr. Shahid Nasir Director <i>FE (Pvt.) Ltd, Islamabad, Pakistan</i>
09:55 to 10:15	Towards Green Procurement Practices in Infrastructure Construction Projects: A Sustainable Approach to Manage Eco-Sensitive Projects in Pakistan	Dr. Muhammad Waris Ali Khan P.E. PMP <i>Universiti Malaysia Pahang, Malaysia</i>



Oral Presentations - Technical Session I (10:30 HRS TO 12:30 HRS)

Parallel Session 1-1 Platform = CSCE-Session1		
Session Chair: Engr. Talha Bin Tahir Assistant: Engr. Faiza Khalid		
Time	Paper	First Author
10:30 to 10:45	Assessment of reinforcement layout on the capacity of existing reinforced concrete half-joint structures using the plastic redistribution method (Paper ID: 209)	Eirini Balantina <i>WSP</i> <i>UK</i>
10:45 to 11:00	Significance of Incorporating Steel Fiber and Polyvinyl Alcohol Fiber in Cement Based Composites Under Static and Dynamic Load (Paper ID: 101)	Mehran Khan <i>DUT</i> <i>China</i>
11:00 to 11:15	Effect of U-Shaped GFRP Shear Keys on The Bond Between GFRP Plate and Concrete (Paper ID: 102)	Hu Yi <i>Zhengzhou University</i> <i>China</i>
11:15 to 11:30	Effect of Waste Foundry Sand (WFS) On Strength and Durability of Pressed Fired Clay Bricks (Paper ID: 110)	Luqman Ali <i>NUST</i> <i>Risalpur</i>
11:30 to 11:45	Efficiency of XRD Method for Studying FRC Composites – A Review (Paper ID: 118)	Haroon Imtiaz <i>Faryal B&C</i> <i>Islamabad</i>
11:45 to 12:00	Comparative Study on The Seismic Performance of Bare Frame and Infilled Frame RC Structures with Brick Masonry and Low Strength Concrete Block Masonry Infills (Paper ID: 111)	Raheel Asghar <i>Comsats</i> <i>Abbottabad</i>
12:00 to 12:15	Effect of Addition of Different Percentages of Bentonite and Fly Ash on Compressive Strength of Concrete (Paper ID: 213)	Asif Nazir <i>UoL</i> <i>Lahore</i>
12:15 to 12:30	Fresh and Mechanical Properties of Ambient Cured Ternary Blended Geopolymer Concrete Reinforced with Steel Fibers (Paper ID: 215)	Muhammad Ibraheem <i>UET</i> <i>Taxila</i>



Parallel Session 1-2 Platform = CSCE-Session2		
Session Chair: Engr. Huzaifah Zahran Assistant: Engr. Wajahat Ali Khawaja		
Time	Paper	First Author
10:30 to 10:45	Explaining success in Green Building projects using Transformation-Flow-Value-Generation Theory (Paper ID: 342)	Tayyab Ahmad <i>Melbourne University Australia</i>
10:45 to 11:00	A Review of Virtual, Augmented and Mixed Reality Technologies for Construction (Paper ID: 325)	M. Abubakar Tariq <i>IU Islamabad</i>
11:00 to 11:15	Sustainable Construction Risk Assessment Through Dynamic Site Layout Planning and Simulation by Building Information Modelling (Paper ID: 319)	Alina Mahmood <i>UET Lahore</i>
11:15 to 11:30	Sustainable Construction and Demolishing Waste Management: A Case Study in Pakistan (Paper ID: 310)	Fahad Amin <i>Comsats Abbottabad</i>
11:30 to 11:45	Sustainability Assessment of Construction Projects in Pakistan and Geo-Sat (Paper ID: 316)	Faisal Raza <i>NUST Islamabad</i>
11:45 to 12:00	Sustainable Buildings and Infrastructures Development Using Innovative Material and Advance Technologies-A Review (Paper ID: 301)	Hammad Bashir <i>Engg Services Consultant Islamabad</i>
12:00 to 12:15	Passive Design Features for Energy Efficient Residential Building in Hot Climate (Paper ID: 320)	Khushbakht <i>UET Lahore</i>
12:15 to 12:30	Critical Success Factors for Sustainable Building Constructions-A Review (Paper ID: 302)	Ali Rehman <i>Comsats Abbottabad</i>



Parallel Session 1-3 Platform = CSCE-Session3		
Session Chair: Engr. Shujaa ul Hassan Assistant: Engr. Umer Jadoon		
Time	Paper	First Author
10:30 to 10:45	Stability Analysis of Slopes Using Limit Equilibrium and Finite Element Methods (Paper ID: 602)	Sohaib Naseer <i>Nottingham Trent University UK</i>
10:45 to 11:00	Consequences of Poorly Compacted Backfill Material on Concrete Retaining Walls (Paper ID: 604)	Dr. Qazi U. Farooq <i>Islamic Uni of Madinah Saudi Arabia</i>
11:00 to 11:15	Application of PLAXIS For Calculating the Construction Stability and Soft Embankment in Protecting Ha Thanh River, Binh Dinh Province (Paper ID: 613)	Thanh Nhan Duc Tran <i>The University of Danang Vietnam</i>
11:15 to 11:30	Experimental Study of Shrinkage in Mud Bricks and Its Control (Paper ID: 601)	Mudassir Qasim <i>UET Peshawar</i>
11:30 to 11:45	Characterization and Standardization of Sand for Laboratory Testing in Pakistan (Paper ID: 610)	Engr. Allah Ditta Kaleem <i>UET Taxila</i>
11:45 to 12:00	Effect of Sawdust- Lime and Sawdust Ash-Lime on The Geotechnical Properties of An Expansive Clayey Soil (Paper ID: 606)	Abbas Khan <i>CECOS Peshawar</i>
12:00 to 12:15	Investigating the Suitability of In-Situ Soils of Peshawar For Un-Stabilized Rammed Earth Construction (Paper ID: 603)	Amina Durrani <i>UET Peshawar</i>
12:15 to 12:30	Effectiveness of Stone Dust as an Expansive Soil Stabilizer (Paper ID: 608)	Muhammad Bilal <i>UET Taxila</i>



Poster Presentations Session 1 (12:45 HRS TO 13:45 HRS)		
Platform = CSCE-Session1		
Session Chair: Engr. Iqbal Ahmad		
Assistant: Engr. Sana Gul		
Time	Paper	First Author
12:45 to 12:50	The Use of PALSAR (D.E.M.) for Mega Fracture Analysis of Dabbar Anticline, Sulaiman Fold Belt, Pakistan (Paper ID: 614)	Mohsin Tariq <i>G D' Annunzio Chieti-Pescara Uni Italy</i>
12:50 to 12:55	One Part Geopolymer Using Rice Husk Ash and Metakaolin (Paper ID: 112)	Ammar Iqtidar <i>Comsats Abbottabad</i>
12:55 to 13:00	Challenges in Adoption of Big Data in Construction Industry of Pakistan (Paper ID: 317)	Sulaiman Javed <i>NUST Islamabad</i>
13:00 to 13:05	Different Techniques for Enhancing Durability of Natural Fibers in Cementitious Composites - An Overview (Paper ID: 119)	Arif Ahmadzai <i>SAS Construction Company Islamabad</i>
13:05 to 13:10	The Effect of Using Steel Fiber on Deformation Resistance of Asphalt Concrete (Paper ID: 505)	Muhammad Fawad Rashid <i>UET Taxila</i>
13:10 to 13:15	Studying Behavior of Fiber Reinforced Composites Using Scanning Electron Microscopy Analysis - A Review (Paper ID: 115)	Safeer Ullah <i>Comsats Abbottabad</i>
13:15 to 13:20	Solution to Foundation Problems in Collapsible Soils of Kallar Kahar, District Chakwal, Punjab, Pakistan (Paper ID: 612)	Rais Agha <i>UET Taxila</i>
13:20 to 13:25	Drinking-Water Quality Assessment: A Case Study of Sadiqabad City (Paper ID: 704)	Faraz Ul Haq <i>UET Lahore</i>
13:25 to 13:30	One-Part Geo-Polymer Concrete Using Wheat Straw Ash and Bentonite (Paper ID: 124)	Asfandiyar khan <i>Comsats Abbottabad</i>
13:30 to 13:35	Spreading of Covid'19 Through Wastewater in Underprivileged Societies - An Overview (Paper ID: 706)	Aruba Waqar <i>NUST Islamabad</i>
13:35 to 13:40	Bond of Natural Fibers with Surrounding Cementitious Matrix-A Review (Paper ID: 117)	Kaynat Arooj <i>Right Constructions Gujrat</i>
13:40 to 13:45	Evaluating the Blend of Naoh And Koh Activators for Eco-Friendly Geo-Polymer Cement Mortar (Paper ID: 212)	Lahiba Imtiaz <i>Comsats Abbottabad</i>



Oral Presentations - Technical Session II (14:00 HRS TO 16:00 HRS)

Parallel Session 2-1 Platform = CSCE-Session1		
Session Chair: Engr. Talha Bin Tahir Assistant: Engr. Faiza Khalid		
Time	Paper	First Author
14:00 to 14:20	The Use of Basalt Fibers Reinforced Polymers BFRP in Concrete Structures (KEYNOTE LECTURE)	Dr. Rabee Shamass <i>London South Bank University</i> <i>UK</i>
14:30 to 14:45	Evaluation of Half-Through Bridge Load-Carrying Capacity by Use of Non-Linear Analysis Methods – Case Studies (Paper ID: 204)	Furqan Qamar <i>WSP</i> <i>UK</i>
14:45 to 15:00	Detection of Bug holes Using Image Processing Technique in Hybrid Concrete (Paper ID: 207)	Allah Nawaz <i>UET</i> <i>Taxila</i>
15:00 to 15:15	Experimental Determination of the Mechanical Properties of Brick Masonry and Low Strength Concrete Block Masonry (Paper ID: 202)	Raheel Asghar <i>Comsats</i> <i>Abbottabad</i>
15:15 to 15:30	Fresh, Mechanical and Durability Properties of Eco-Friendly Concrete Containing Sugarcane Bagasse Ash and Wood Saw Dust (Paper ID: 214)	Syed Muhammad Mudassir Zia <i>UET</i> <i>Taxila</i>
15:30 to 15:45	Bond Performance of Sustainable Repairing Materials with Steel Reinforcement (Paper ID: 210)	Miral Fatima <i>UET</i> <i>Lahore</i>
15:45 to 16:00	Machine Vision Based Crack Detection for Structural Health Monitoring Using Haralick Features (Paper ID: 206)	Arif Zafar <i>UET</i> <i>Taxila</i>



Parallel Session 2-2 Platform = CSCE-Session2		
Session Chair: Engr. Huzaifah Zahran Assistant: Engr. Wajahat Ali Khawaja		
Time	Paper	First Author
14:00 to 14:20	Civil Engineering Vigilance in COVID'19 Era (KEYNOTE LECTURE)	Dr. Irfan Yousuf <i>NEPRA</i> <i>Islamabad</i>
14:30 to 14:45	Development of a Shear Thickening Fluid and its Use as a Modifier in Asphalt Binder (Paper ID: 502)	Tanveer Hassan <i>UET</i> <i>Taxila</i>
14:45 to 15:00	Driver and Pedestrians Interactions Characterization (Paper ID: 501)	Gauhar Amin <i>UET</i> <i>Peshawar</i>
15:00 to 15:15	Influence of Banana Fibers on Asphalt Binder (Paper ID: 503)	Junaid Khan <i>UET</i> <i>Taxila</i>
15:15 to 15:30	Development of Automated Resource Management System (ARMS) (Paper ID: 327)	Qasim Jilani Farooqi <i>NUST</i> <i>Islamabad</i>
15:30 to 15:45	The Effect of Using Polypropylene Fiber on Deformation Resistance of Asphalt Concrete (Paper ID: 504)	Muhammad Fawad Rashid <i>UET</i> <i>Taxila</i>
15:45 to 16:00	Influence of Moringa Oil on Adhesion and Moisture Susceptibility of Reclaimed Asphalt Pavement (Paper ID:506)	Muhammad Akhtar <i>UET</i> <i>Taxila</i>



Parallel Session 2-3 Platform = CSCE-Session3		
Session Chair: Engr. Shujaa ul Hassan Assistant: Engr. Umer Jadoon		
Time	Paper	First Author
14:00 to 14:20	Monitoring and Modelling of Ground Water Recharge Through Recharging Wells (KEYNOTE LECTURE)	Dr. Habib Ur Rehman <i>UET Lahore</i>
14:30 to 14:45	Application of Hydrodynamic Modelling to Assess the Efficiency of Hurricane Protection Measure at Xom Ro Dike, Phu Yen Province, Vietnam (Paper ID: 406)	Thanh Nhan Duc Tran <i>The University of Danang Vietnam</i>
14:45 to 15:00	Economic Comparison of The Geothermal Heat Pump System and Conventional Water Heaters for Hot Water Supply in Apartment Buildings (Paper ID: 701)	Rehan Jamil <i>IAU Saudi Arabia</i>
15:00 to 15:15	Physicochemical and Biological Assessment of Potable Water of Sahiwal City (Paper ID: 703)	Syeda Aqsa Gillani <i>QCET Sahiwal</i>
15:15 to 15:30	Industrial Waste Water Analysis: A Case Study of Chashma Suger Mills, D.I Khan (Paper ID: 702)	Liaqat Ali khan <i>UET Peshawar</i>
15:30 to 15:45	Different Perspectives on Water Quality of Local Filtration Plants in Pakistan (Paper ID: 705)	Aruba Waqar <i>NUST Islamabad</i>
15:45 to 16:00	Applying Semi Distribution Hydrological Model to Assess Hydrological Regime in Lai Giang Catchment, Binh Dinh Province, Vietnam (Paper ID: 404)	Zeeshan Ahmed <i>GCIS Islamabad</i>



Poster Presentations Session II (16:10 HRS TO 16:45 HRS)

Platform = CSCE-Session1

Session Chair: Engr. Iqbal Ahmad

Assistant: Engr. Shaheed Ullah

Time	Paper	First Author
16:10 to 16:15	Second Stage Stilling Basin as A Solution for Chashma Barrage Due to Damage Caused by Retrogression Phenomenon (Paper ID: 408)	Ijaz Ahmad <i>UET Lahore</i>
16:15 to 16:20	Damage Assessment of Historical Buildings: A Case Study of Historic Shrine of Multan (Paper ID: 323)	Sunera Imtiaz <i>BZU Multan</i>
16:20 to 16:25	Assessment of Adhesion and Moisture Susceptibility of Waste Plastic and Crumb Rubber Modified Bitumen (Paper ID: 508)	Hafiz Ammar Zahid <i>UET Taxila</i>
16:25 to 16:30	Effect of Transport Infrastructure Development on Health of Natives: A Case Study of Lahore Orange Line Metro Train Project (Paper ID: 507)	Zeeshan Ullah <i>NUST Islamabad</i>
16:30 to 16:35	Investigating multiple debris impact load and role of vegetation in protection of house model during floods (Paper ID: 411)	Muhammad Asghar <i>UET Taxila</i>
16:35 to 16:40	Provision of Subsidiary Weir as A Solution for Damages Caused by Retrogression at Jinnah Barrage (Paper ID: 410)	Ijaz Ahmad <i>UET Lahore</i>
16:40 to 16:45	Design and Probable Improvement of Fiber-Reinforced Concrete Canal-Lining by Role of Roughness Coefficient (Paper ID: 128)	Haroon Imtiaz <i>Faryal B&C Islamabad</i>



Poster Presentations Session II (16:10 HRS TO 16:45 HRS)

Platform = CSCE-Session2

Session Chair: Engr. Wajahat Ali Khawaja

Assistant: Engr. Sana Gul

Time	Paper	First Author
16:10 to 16:15	Achieving the Sustainability in Construction by Using Artificial Aggregates in Concrete (Paper ID: 329)	Zeeshan Ullah <i>NUST Islamabad</i>
16:15 to 16:20	Sustainable Design of Buildings Through BIM: A Comprehensive Review (Paper ID: 324)	Abrar Ahmad <i>Comsats Abbottabad</i>
16:20 to 16:25	The Chiniot Dam – Sheet Pile Design Aspect (Paper ID: 409)	Ijaz Ahmad <i>UET Lahore</i>
16:25 to 16:30	Utilization of Waste Plastics Aggregate in Concrete: A Review (Paper ID: 133)	Safeer Ullah <i>Comsats Abbottabad</i>
16:30 to 16:35	Analyzing Factors Influencing Construction Labor Productivity Using Fuzzy Analytical Hierarchy Process (FAHP) (Paper ID: 322)	Muhammad Nizar Alam <i>NUST Risalpur</i>
16:35 to 16:40	Characterization of Brick Masonry of Old and New Building Blocks at GCT Rasul (Paper ID: 216)	Asif Nazir <i>UoL Lahore</i>
16:40 to 16:45	Cost Comparison of Concrete Framed Structure Using Natural and Artificial Coarse Aggregates (Paper ID: 330)	Zeeshan Ullah <i>NUST Islamabad</i>

Closing Ceremony (16:45 HRS TO 17:00 HRS)

Platform = CSCE-Session1

Session Chair: Engr. Dr. Majid Ali; Session Co-Chair: Engr. Dr. Syed Shujaa Safdar Gardezi