

Fifth International Conference on Infrastructure Engineering in Developing Countries (IEDC-2017)



Organized by
NED UNIVERSITY OF ENGINEERING & TECHNOLOGY
in collaboration with
THE INSTITUTION OF ENGINEERS PAKISTAN

CONFERENCE PROGRAMME DAY-1 FRIDAY 14 JULY 2017

Inaugural Session

- 09:30-10:00 AM Registration and Seating
10:00-10:05 AM Recitation from Holy Quran
10:05-10:15 AM Welcome Address by Prof. Sarosh Hashmat Lodi (VC NEDUET)
10:15-10:35 AM Address by Prof. Dr Sahibzada Farooq Ahmed Rafeeqi (Chairman IEP)
10:35-10:50 AM Inaugural Address by Chief Guest
10:50-11:00 AM Vote of Thanks by Prof. Dr. Mir Shabbar Ali (Conference Chair, Dean CEA)

Technical Session-1: Innovation in Construction Technologies (14 July 2017 11:00 - 12:45)

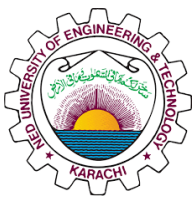
Session Chair: Prof. Dr. Mir Shabbar Ali

Invited Speaker: Dr Said Munir-Modelling Traffic Emissions of PM₁₀ and PM_{2.5} on Six Main Roads
in Makkah – Employing ADMS Urban Dispersion Modelling System

Authors	Paper Title
Waqas Ali Shah, Asfandyar Ahmed, Khan Shahzada, Bora Gencturk and Fazle Wahab	SEISMIC CAPACITY ASSESSMENT OF UNREINFORCED CONFINED BLOCK MASONRY WALLS
Karam-Un-Nisa Choudhary, Sana Muqeem	PREDICTION OF DELAY AND DISRUPTION CLAIMS CONFLICTS IN CONSTRUCTION INDUSTRY USING ARTIFICIAL INTELLIGENCE TECHNIQUE
Abdul Rehman, Mehran Khan and Majid Ali	UTILIZATION OF HIGH STRENGTH COCONUT FIBER REINFORCED CONCRETE IN BRIDGE PIER
Zeshan Liaqat, Mehran Khan and Majid Ali	INCREASING FLEXURAL TOUGHNESS WITH NATURAL FIBERS AND SILICA FUME IN CONCRETE FOR STRUCTURAL APPLICATIONS
Shahzad Mehmood and Uzair Akram	STUDY OF SIZE CONSEQUENCE ON SHEAR STRENGTH OF STEEL FIBER REINFORCED CONCRETE (SFRC) BEAMS
Muhammad Talha Ghafoor, Muhammad Bilal Ashraf and Mehran Khan	COMPARISON OF STEEL AND PRE-STRESSED CONCRETE GIRDERS FOR BRIDGE STRUCTURES USING CSI BRIDGE

LUNCH & PRAYER BREAK (12:45-14:00)





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Technical Session-2: Transport Policies (14 July 2017 14:00 - 15:30)

Session Chair: Dr. Muhammad Irfan

Authors	Paper Title
Zafar Hameed Ismail	THE FAILURE OF KARACHI TRANSPORT CORPORATION (KTC): MAL-GOVERNANCE OR MISMANAGEMENT
Numan Ahmad, Anwaar Ahmed and Akhtar Ali Shah	IS EFFECTIVE ENFORCEMENT OF SEATBELT LAW HELPFUL IN REDUCTION OF ROAD TRAFFIC FATALITIES: A GLOBAL PERSPECTIVE
Mohammad Reza Ahadi, Mahmoud Saffarzadeh and Hamid Reza Behnood	IRAN ROAD SAFETY ACTION PLAN; MANAGING FOR RESULTS BY STRUCTURING THE ROAD SAFETY MANAGEMENT SYSTEM
Hassan Ali and Zahara Batool	PROPOSED ACCESSIBLE PUBLIC TRANSPORT POLICIES FOR DISABLED PERSONS: A CASE STUDY FOR PAKISTAN
Sajjad Ali	ECONOMICAL FRAMEWORK FOR PUBLIC MASS MIGRATION TOWARDS GWADAR: A PROSPECT PORT-CITY
Nadeem Hyder	BENEFITS FOR DEVELOPING STRATEGIC TRANSPORT MODEL FOR KARACHI

Technical Session-3: Urban Mass Transit (14 July 2017 15:30-16:30)

Session Chair: Prof. Dr Abdul Sami Qureshi

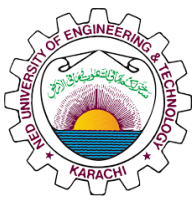
Keynote Speaker: Prof. Dr. Adnan Qadir-FEM Modelling of Tractor Type in ABAQUS

Invited Speaker: Prof. Dr. Abdul Sami Qureshi-Operating speed models for two-lane rural roads in Pakistan

Authors	Paper Title
Salman Zubair, Lubna Ghazal, Muhammad Ahmed and Syed Jamil Hasan Kazmi	SPATIAL EFFICIENCY OF PUBLIC TRANSPORT SYSTEM IN KARACHI: A GIS VIEWPOINT.
Ravindar Kumar Khiani and Saveeta Khiani	RICKSHAW TO RAPID TRANSIT RAILWAYS: A QUEST FOR PUBLIC TRANSPORT POLICY IN KARACHI, SINDH, PAKISTAN

TEA BREAK (16:30-17:00)





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Technical Session-4: Urban Resilience (14 July 2017 17:00-18:30)

Session Chair: Mr. Hasan Akhtar

Authors	Paper Title
Sidra Jamshed and Khuram Rashid	EFFECT OF SHEAR WALL LOCATION IN MEDIUM RISE BUILDING FOR ACTIVE SEISMIC ZONES
Farooq Khan and Laila Khalid	EFFECT OF COMPACTION ENERGY ON SWELLING CHARACTERISTICS OF EXPANSIVE SOILS
Abdul Waheed, Shareef Hussain and Asghar Naeem Malik	URBAN RESILIENCE: IN-TERMS OF DISASTER RISK REDUCTION AND CLIMATE CHANGE ADAPTATION. A REVIEW OF LITERATURE
Sughra Aleem	POST EARTHQUAKE DAMAGE ASSESSMENT OF BAGH DISTRICT, AJK THROUGH GEOSPATIAL TECHNOLOGIES
Sajan Shaikh, Mir Aftab Hussain Talpur and Sehar Sarki	SETBACK VIOLATION AND RESIDENT'S PERCEPTION ABOUT LIVING CONDITIONS IN VERTICAL BUILDINGS OF QASIMABAD HYDERABAD
Lubna Ghazal, Salman Zubair and Jamil Kazmi	NEED ASSESSMENT OF SUSTAINABLE URBAN GROWTH AND PERI-URBAN RESILIENCE IN MEGA CITY KARACHI

DAY-2 SATURDAY 15 JULY 2017

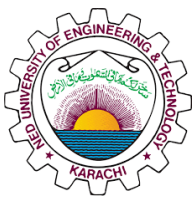
Technical Session-5: Road Safety and Hazardous Materials (15 July 2017 9:30 - 10:45)

Session Chair: Dr. Said Munir

Authors	Paper Title
Fatimah Azhar, Rubab Khaskheli, Qurat-UI-Ain Siddiqui and Dr. Sohail Abdul Sattar	IDENTIFYING RISK FACTORS IN ROAD ACCIDENTS USING DATA MINING
Arian Khan and Mir Shabbar Ali	ACCIDENT PREDICATION MODEL ALONG WITH ACCIDENT SEVERITY INDEX AND TIME OF OCCURRENCE OF ACCIDENTS FOR KARACHI.
Kaiser J. Khatana	SPEEDING – SAFE DRIVING – ROAD CRASHES
Engr Muhammad Mujtaba Asad, Razali Hassan, Zainab Sherwani, Fahad Sherwani and Qadir Mehmood Soomro	IDENTIFICATION AND CATEGORIZATION OF OIL AND GAS HAZARDOUS ACTIVITIES CORRELATED WITH DRILLING EQUIPMENT MAINTENANCE OPERATION: A CROSS-SECTIONAL APPROACH
Muhammad Mujtaba Asad, Razali Hassan, Bisma Sherwani, Fahad Sherwani and Qadir Mehmood Soomro	KNOWLEDGE BASE AND RULE BASE SAFETY MANAGEMENT SYSTEMS DEVELOPMENT STRATEGIES AND APPLICATIONS FOR PETROCHEMICAL INDUSTRIES: A BRIEF OUTLINE

TEA BREAK (10:45-11:00)





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Keynote Speaker: Prof. Nasir Shafiq “Sustainability issues in infrastructure planning, design and construction”
(11:00 – 11:30)

Technical Session-6: Integrated Urban Water Management (15 July 2017 11:30 - 12:15)

Session Chair: Prof. Dr. Adnan Qadir

Authors	Paper Title
Rabia Tabassum and Mudassar Arsalan	CONJUNCTIVE MANAGEMENT APPROACH OF SURFACE AND GROUND WATER FOR DHA CITY KARACHI
Faiza Abbasi, Mir Aftab Hussai Talpur, Tariq Aziz and Gopal Das Menghwar	ANALYSING PHYSICO-CHEMICAL PARAMETERS OF DRINKING WATER IN HYDERABAD CITY AND COMPARING THEM WITH WHO STANDARDS.
Dr. Muhammad Shafqat Ejaz, Haris Akram Bhatti and Sohail Tariq	DEVELOPMENT OF INTENSITY DURATION FREQUENCY CURVE FOR HUB CATCHMENT USING SATELLITE RAINFALL DATA AND PROBABILITY DISTRIBUTION TECHNIQUE

Technical Session-7: Novel Ideas and Innovative materials (15 July 2017 12:15 - 13:15)

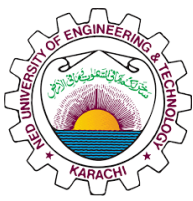
Session Chair: Prof. Nasir Shafiq

Invited Speaker: Dr Aneel Kumar-Effects of Acoustics on Desorption of Zinc from Illite and Silica

Authors	Paper Title
Khuram Rashid, Hafiz Abrar Ahmad and Rizwan Hameed	EVALUATION OF BOND INTEGRITY BETWEEN OLD CONCRETE OVERLAID BY PCM AT ELEVATED TEMPERATURE IN SHEAR
Jiandong Tang, Hussain Shah, Enxian Xie and Wei Zou	UNDERWATER PIPELINE PROTECTION FOR PORT RENOVATION PROJECT
Madiha, Karam Un Nisa Choudhary and Madiha Zaidi	LABORATORY INVESTIGATION OF SOIL PROPERTIES BY USING FLY ASH

LUNCH & PRAYER BREAK (13:15-14:00)





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Technical Session-8: Road Pavement (15 July 2017 14:00 - 15:00)

Session Chair: Dr Aneel Kumar

Invited Speaker: Dr. Muhammad Irfan-Integrating Structural Evaluation of Highways in Overall Pavement Management System Using Non-Destructive Testing

Authors	Paper Title
Muhammad Usman Farooqi and Majid Ali	SHORT-TERM DURABILITY OF WHEAT STRAW REINFORCED CONCRETE FOR PAVEMENT APPLICATIONS
Arshad Hussain, Hasseeb Ali Khan and Muhammad Arif	EVALUATION OF PERMANENT DEFORMATION USING LIME MODIFIED BINDER
Prof. Dr. Adnan Qadir, Prof. Dr. Amanullah Marri and Syed Abdul Ghafar	CBR IMPROVEMENT OF ROAD SUBGRADE CLAYEY SOIL WITH GEOTEXTILES

Technical Session-9: Traffic Flow Dynamics (15 July 2017 15:00 - 17:30)

Session Chair: Prof. Dr. Mir Shabbar Ali

Authors	Paper Title
Afrae Zunaira, Imtiaz Ahmed Chandio and Mir Aftab Hussain Talpur	SATURATION FLOWS AND PASSENGER CAR UNIT FOR NON-LANE BASED HETEROGENEOUS TRAFFIC
Osama Ali, Afzal Ahmed, Mir Shabbar Ali and Ahsan Naqvi	CALIBRATION OF CELL TRANSMISSION MODEL FOR HETEROGENEOUS TRAFFIC
Pirah Siyal, Rasool Bux Khoso and Sunbal Siyal	STUDY ON TRAFFIC CONGESTION AND ITS IMPACTS ON TRAFFIC FLOW A CASE STUDY OF HYDERABAD CITY
Muhib Ullah Ullah and Prof. Dr. Mir Shabbar Ali	QUEUEING ANALYSIS OF AN UN-SIGNALIZED INTERSECTION
TEA BREAK (16:00-16:30)	
Talha Saeed, Kafeel Raza, Sohail Asghar, Muhammad Awais Shafique and Saadia Tabassum	DETECTION OF MOTORIZED AND NON-MOTORIZED MODES USING SMARTPHONES
Muhammad Awais Shafique and Eiji Hato	PREDICTING THE MODE OF TRANSPORTATION USING GPS DATA, FOR VEHICULAR CARBON FOOTPRINT DETERMINATION
Afzal Ahmed, Syeda Ofaq Zaidi and Palwasha Awan	MODE CHOICE MODELLING USING STATED PREFERENCE SURVEYS TO ESTIMATE DEMAND FOR PROPOSED MASS TRANSIT LINES
Mir Shabbar Ali, Sana Muqem, Syed Muhammad Raza Jafri and Karam Un Nisa Choudhary	PREDICTION OF TRAFFIC CONGESTION IN KARACHI USING ARTIFICIAL INTELLIGENCE

Concluding Remarks and Discussion- Prof. Dr. Mir Shabbar Ali (17:30-18:00)

