

7TH INTERNATIONAL CIVIL ENGINEERING CONGRESS

12TH & 13TH JUNE, 2015



AT IEP CENTRE, KARACHI - PAKISTAN

"SUSTAINABLE DEVELOPMENT THROUGH
ADVANCEMENT IN CIVIL ENGINEERING"

Jointly Organized by

The Institution of Engineers Pakistan
Karachi Centre



NED University of Engineering & Technology
Karachi

in collaboration with



The Asian Civil Engineering
Coordinating Council



Federation of Engineering Institutions of
Islamic Countries (FEIIC)



Federation of Engineering Institutions of
South & Central Asia (FEISCA)

CONGRESS PROGRAM

Day-1: June 12, 2015

Inaugural Session

(9:30 AM to 11:00 AM)

- Qirat
- National Anthem
- Welcome Address: Farhat Adil, Chairman, IEP Karachi Center
- Keynote: Dr. Shahid Alam, Exponent Engineers “Mass Transit System for Karachi.”
- Presidential Address: Jamshed Rizvi, President IEP
- Chief Guest: S.F.A. Rafeeqi, Ex-Pro Vice Chancellor, NED University of Engineering and Technology
- Special Guest: Prof. Dr. Muhammad Afzal Haque, Vice Chancellor, NED University of Engineering and Technology
- Presentation of Shields
- Vote of Thanks: Ayaz Mirza, Secretary, IEP Karachi Center
- Guest of Honor: Zain Malik, Bharia Town
- Group Photo

Refreshment: 11:00AM to 11:30AM

Day-1: June 12, 2015

Technical Session-1 11:30 AM to 1:00 PM

Session Theme: Construction Engineering and Management

Session Chair: Prof. Asad ur Rehman Khan, NED University of Engineering & Technology

Session Co-Chair: Alicia Flores, University of Manchester

1. Construction Safety Research in Pakistan: A Review and Future Research Direction
Hafiz Zahoor, Abert P.C. Chan, Rafiq M. Choudhry, Wahyudi P. Utama, Ran Gao

2. Developing an Expert System for Controlling Cost and Time Overrun (ESCCTO) in Construction Projects
Muhammad Akram, Nafees Ahmed Memon, Tauha Hussain Ali, Fida Siddiqui

3. Study of Merits and Demerits of Appointing the Design Consultant as Supervision Consultant in the Construction Industry in Pakistan
Rafiq M. Choudhry, Muhammad Naseem Khan

4. Review of Financial Practices in Construction Industry of Pakistan
Raza Ali Khan, Uneb Gazder, Ahsan Ali

5. Developing a Standard Safety Manual for Construction Industry in Afghanistan
Mehran Amiri, Mohammad Gul Hamidi

Lunch & Prayers: 01:00PM to 02:30PM

Day-1: June 12, 2015

Technical Session-2 2:30 PM to 4:30 PM

Session Theme: Construction Materials (CMRG Hosted Session)

Session Chair: Prof. Mir Shabbar Ali, NED University of Engineering & Technology

Session Co-Chair: Hassan Akhtar, Director Technical Matrix Company

1. Latest Development in the Structural Material Consisting of Reinforced Baked Clay
Abdul Aziz Ansari, Sajjad Ali Mangi, Salim Khoso, Kanya Lal Khatri, Ghulam Shabir Solangi

2. Numerical Modeling of Masonry Structures
Hafiz Muhammad Zohaib Kabir, Abdul Jabbar Sangi

3. Role of Technical Textiles for Building Sustainable Infrastructure
Sheraz Hussain Siddique

4. Experimental Study on Recycled Concrete Using Dismantled Road Aggregate and Baggase Ash
Salim Khoso, Dr. Abdul Aziz Ansari, Jam Shahzaib Khan, Farhan Hussain Wagan

5. Performance of Blended Cements Exposed to Marine Environment
Asad-Ur-Rehman Khan

Hi – Tea: 05:00 PM to 07:00 PM

Day-2: June 13, 2015

Technical Session-3 9:00 AM to 10:45 AM

Session Theme: Construction Engineering and Management

Session Chair: Prof. Dr. M. S. Makhdoomi, Sir Syed University of Engineering & Technology

1. The use of Building Information Modelling in disaster management
Alicia Flores Salas, Peter Fenn
2. Investigation of Using Personal Protective Equipment at Construction Sites in Herat Province
Mehran Amiri, Mohammad Rasool Safi, Mohammad Shah Moshtaq, Habibullah Eshaqzai
3. Factors affecting BIM use in Construction Organizations
Nida Azhar, Farrukh Arif
4. An Overview of Claims Prevention Strategies in Construction Projects of Pakistan
Farrukh Arif, Muneeb Bin Nadeem, Osama Ahmed
5. Calculating Quantity of Steel Bar Placed In Mesh Form in a Circular Slab Or Dome
Karam Chand Gupta

Refreshments: 10:45 AM to 11:15 AM

Day-2: June 13, 2015

Technical Session-4 11:15 AM to 1:00 PM (EWR)

Session Theme: Environment and Water Resource Engineering

Session Chair: Prof. Dr. Abdullah Saand, Quaid e Awam University of Engineering Science and Technology

Session Co-Chair: Prof. Dr. Asif Ahmed Sheikh, NED University of Engineering and Technology

1. Microbial Contamination in Drinking Water and Incidence of Waterborne Diseases in Mega City of a Developing Country- Karachi, Pakistan
Atif Mustafa, Qudsia Saba, Sadia Khan

2. MHD Maxwell Fluid With Non Linear Velocity Over the Boundary
Muhammad Jamil, Kashif Ali Abro

3. Bio-crude Oil from Microalgal Biomass to Produce Environmentally Friendly Higher Value Fuels and Chemical Compounds
Mehmood Ali, Ian A. Watson, Jaime Tone, Muhammad Saleem

4. Hydrological Trends and Variability in the Mangla Watershed
Muhammad Yaseen, Khalida Khan, Haris Akram Bhatti and Muhammad Afzal

5. Constructed Wetlands for Sustainable Wastewater Treatment
Atif Mustafa

Day-2: June 13, 2015

Technical Session-5 11:15 AM to 1:00 PM

Session Theme: Transportation Engineering

Session Chair: Dr. Rasheed Jooma, Head of Neuro - Surgery, AKUH

Session Co-Chair: Syed Haider Ali, Director Policy, Planning & Design, Transport & Communication Department, KMC

1. Development of Black Spot Identification Criteria for Karachi
Mir Shabbar Ali, Obaid Kahlid
2. Risk Assessment of Construction Projects for Urban Tunnels Using Fuzzy Fault Tree Analysis (FFTA)
Mehran Amiri, Yahya Ghasemi
3. Accident Analysis of Unsignalized Intersections
Uneb Gazder, Ashar Ahmed, Ahmad Farhan Mohd Sadullah, Ahmad Shukri Yahya
4. Critical Geometric Parameters Causing High Fatalities in Karachi Pakistan
Mir Shabbar Ali, Muhammad Adnan, Syeda Batool Shabbar

Day-2: June 13, 2015-Closing Session 1:00 PM-1:30 PM

Lunch and Prayer: 1:30 PM to 2:30 PM