

Continuing Engineering Education Center,
UET, Lahore

PROGRAMME

October 2, 2018 (Tuesday)

Event	Time (Hours)
Registration	0830 – 0900
Recitation from Holy Quran	0900 – 0905
Opening Remarks	0905 – 0915
Research Background of Foam concrete and recycled glass powder	0915 – 1030
Tea Break	1030 – 1100
Mix designs of foam concrete with and without recycled glass powder	1100 – 1230
Lunch/Prayer Break	1230 – 1330
Axial and flexural behaviour of Foam concrete with recycled glass powder: Application in wall panels	1330 – 1430
Award of Certificates	1530 – 1545
Closing Remarks	1545 – 1600



University of Engineering & Technology, Lahore

Continuing Professional Development
(CPD)

A workshop on

**A light weight self-compacting
concrete (Foam concrete) with
recycled glass powder:
Application in wall panels**

On

October 2, 2018 (Tuesday)



Resource Persons

*Dr. Qasim Shaukat Khan &
Prof. Dr. Asad Ullah Qazi*



INTRODUCTION

Foam concrete is light-weight concrete comprising cement paste or mortar and foam in which air voids are entrapped using a suitable foaming agent. Foam concrete possesses characteristics such as low weight, low density, high flowability, self-compacting, low cement content, low aggregate usage and high thermal and acoustic insulation. The foam concrete has been used in diverse applications in civil engineering such as in filling grades, production of light weight blocks, pre-cast panels, road sub-bases, trench reinstatement, soil stabilization, and shock absorbing barriers for airports and regular traffic. Also, foam concrete has been used in semi-structural applications such as in bridge abutments, floor and roof screeding, and bridge arch fills

OBJECTIVES

The aim of this study will be to examine the potential application of recycled glass powder in light-weight foam concrete. The objectives of this study are to investigate the effect of varying cement contents and the replacement of cement with recycled glass powder by mass on the plastic density, dry density and compressive strength of foam concrete. The objective of this study will be to ascertain a most suitable mix design of foam concrete with recycled glass powder for the construction of pre-cast concrete panels.

SPECIAL FEATURES

Certificate of one CPD credit point will be awarded to the participants

WHO SHOULD ATTEND?

- ❖ Early career researchers, faculty members, and professionals doing research and interested in environmental friendly concrete.
- ❖ Postgraduate students of structural engineering, building engineering and material sciences.

COURSE FEE:

Rs. 3000/- (*For professional engineers*)

Rs. 1500/- (*For faculty members*)

Rs. 1000/- (*For students*)

REGISTRATION PROCESS

Application form dully filled along with required documents and Fee in the form of Pay Order/ Bank Draft in favour of "PEB Coordinator" or online payment to Habib Bank Limited, UET Branch, A/C No. **01287902267903** should reach on or before **Monday, October 1, 2018**.

For more information, contact us by phone or email.

Continuing Engineering Education Centre

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The related information can also be found on the website <http://ceec.uet.edu.pk>

VENUE

Seminar Hall, Department of Transportation Engineering,
UET, Lahore

PROFILE OF RESOURCE PERSON

Dr. Qasim Shaukat Khan did his Ph.D. in Structural Engineering from University of Wollongong, Australia. He received his B.Sc. Civil Engineering and M.Sc. Structural Engineering from Civil Engineering Department, U.E.T, Lahore. His research interests include Fibre Reinforced Polymers (FRP) Reinforcement, steel fibre reinforced concrete, environmental friendly concrete and Foam concrete.

Prof. Dr. Asad Ullah Qazi is Head of Structural Engineering Division. He did his PhD in Structural Engineering from Tsinghua University, China. He received his B.Sc. Civil Engineering and M.Sc. Structural Engineering from Civil Engineering Department, U.E.T., Lahore. His research interests include finite element modelling, structural dynamics and properties of concrete.