



The Institution of Engineers Pakistan, Karachi Centre

Organizing

Webinar on Sustainable Building Construction Material with Fiber Reinforcement"



Saturday 28th October, 2023 at 4:30 pm

at Council Hall, 4th Floor, IEP Building, Shahrah-e-Faisal
Opp: Hotel Regent Plaza, Karachi

Abstract

Civil engineering and the building industry are an integral part of the development of human society as they involve the planning, design, building, operation, and maintenance of infrastructure. The applications related to the construction industry have a vital involvement of composite materials over the past decade due to their multifold advantages. Textile reinforced concrete (TRC) is an innovative high-performance composite material consisting of textiles embedded in a fine-grained concrete matrix. Textile Reinforced Concrete (TRC) is rapidly replacing conventional materials due to its promising features. Fibers and waste materials of different types are added as partial replacements of cement and aggregates in concrete to improve the properties of the concrete and to reduce environmental pollution. The use of waste material in concrete reduced the landfilled waste and in addition, improves some properties of the concrete.



Engr. Dr. Hafsa Jamshaid
Associate Professor at National Textile University.

Presentation through Zoom form Faisalabad

Eng. Dr. Hafsa Jamshaid C Text FTI is working as Professor (Associate) at National Textile University. She is an experienced textile professional in the field of weaving, knitting technologies for technical fabrics and composites. Her textile engineering education is from Technical University of Liberec, Czech Republic (Europe) and University of Engineering and Technology, Lahore. Dr. Hafsa is teaching undergraduate, MSc. and PhD level classes and doing research on composites and protective textiles. She has teaching experience of more than 19 years. She has supervised many of the research projects as head of her department. s. She is reviewer of PSF and HEC for the award of projects. Her research papers are published in many reputed journals with impact factor. She has authored several chapters in book on technical textile applications. She has authored 3 books and two are in process, one of them is "Knitting Science, Technology, Process and Materials" under the banner of Springer 2023. She has worked for industrial engineering projects for improve productivity of organizations. She has worked in several international projects for development of industrial fabric. She is owrking with industries for strong industry -academia linkage. Trainer/ expert in Faisalabad Chamber of Commerce (FCCI).Master trainer of HEC for collage teachers . Working as Pakistan Engineering council, Program evaluator (PEVs) and worked as Textile institute council (UK)member. Awarded Fellowship from Textile Institute, Manchester, UK. Awarded Fellowship of Institution of Engineers, Pakistan and The Pakistan Academy of Engineering., Awarded Associate Fellow (AFHEA) by Advance HE, UK, and member of IEEE. Awarded medal by Textile Institute, (Lahore section) in recognition of services and achievement. Pakistan Higher education womenleadership U.S residency ,2022.

Topic: Sustainable Building Construction Material with Fiber Reinforcement

Time: Oct 28, 2023 4:30 pm Asia/Karachi

Join Zoom Meeting

[https://us06web.zoom.us/j/88237953783?](https://us06web.zoom.us/j/88237953783?pwd=3NncZzL2Qp2GOV4YxCymu7Rjg7HaeX.1)

Meeting ID: 882 3795 3783

Passcode: 458654



E-Certificate will be sent to particip who will attend the webinar (Physically or Zoom)

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CPD Participants will receive 0.5 CPD credit point (Subject to the approval of PEC).