

# **“TECHNICAL TALK OF GEOSYNTHETIC CEMENTITIOUS COMPOSITE (GCCM)”**



**DATE: 22 JUNE 2021  
(TUESDAY)**

**TIME: 2.15PM – 5.45PM**

**MODE: ONLINE**

**PLATFORM:  
MICROSOFT TEAMS**

Ref. No : IEM21/SWAK/197/T(w)  
CPD: 3.5

## **COURSE SYNOPSIS :**

**Geosynthetic Cementitious Composite Mats (GCCM)** is a revolutionary new class of construction materials for various civil engineering applications. ASTM D8058 – (Terminology 3.2.7) defines GCCM as “a factory-assembled geosynthetic composite consisting of a cementitious layer contained within a layer or layers of geosynthetic materials that becomes hardened when hydrated. Essentially, GCCM is concrete on a roll and it allows concrete construction without the need for plant or mixing equipment. Just add water!

This talk will cover typical properties of GCCM as well as its advantages and limitations in slope/wall reinforcement function. The applications of GCCM are many but the cores are channel lining, bund lining, slope protection, concrete remediation and weed suppression. GCCM installation method will be highlighted in this talk according to ASTM D8173-18 in which various aspects of site preparation, deployment, types of jointing, material selection and hydration will be explained.

Lastly, GCCM testing in accordance to latest ASTM test standards as well as interpretation of test results will be highlighted in this talk

## **SPEAKER PROFILE**



**MICHAEL CHONG IS CURRENTLY WORKING IN CONCRETE CANVAS LTD, UK AS BUSINESS DEVELOPMENT MANAGER FOR FAR EAST ASIA. HE GRADUATED FROM UNIVERSITY SCIENCE OF MALAYSIA (USM) IN 1998 WITH BACHELOR DEGREE IN CIVIL ENGINEERING. HE HAS 18 YEARS OF WORKING EXPERIENCE IN GEOSYNTHETICS INDUSTRY WITH 13 YEARS IN TENCATE GEOSYNTHETIC ASIA AND 2 YEARS IN SAINT GOBAIN - ADFORS MALAYSIA.**

**IN HIS WORKING CAREER, MICHAEL OFTEN GIVE TECHNICAL TALKS TO VARIOUS ORGANIZATIONS, PROFESSIONAL INSTITUTES AND PUBLIC WORK DEPARTMENTS BOTH IN MALAYSIA AND OVERSEA TO PROMOTE USE OF GEOSYNTHETICS TO SOLVE COMMON CIVIL ENGINEERING PROBLEMS.**

**MICHAEL IS A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL OF CPESC, INC USA AND GRADUATE MEMBER OF THE INSTITUTION OF ENGINEERS MALAYSIA (IEM) AND MEMBER OF MALAYSIA STORMWATER ORGANIZATION.**

## **PROGRAMME**

**2.00PM-2.15PM  
REGISTRATION**

**2.15PM-4.00PM GEOSYNTHETIC  
CEMENTITIOUS COMPOSITE MATS  
(GCCM)**

**4.00PM-4.30PM  
INSTALLATION OF GCCM AND CASE  
STUDIES**

**4.30PM-5.15PM  
ASTM STANDARD  
SPECIFICATIONS OR GCCM**

**5.15PM-5.45PM  
Q&A AND END OF TALK**

**FEES**  
**IEM MEMBER : RM30**  
**IEM NON MEMBER : RM60**

**MEETING LINK WILL BE SENT TO THE PARTICIPANTS VIA EMAIL ONCE REGISTRATION AND PAYMENT HAVE BEEN CONFIRMED**

**ALL REGISTRATION FEES MUST BE FULLY PAID BEFORE COMMENCEMENT OF THIS TALK. GOVERNMENT AGENCIES AND STATUTORY BODIES ARE REQUIRED TO PROVIDE LOCAL ORDERS. IEM SARAWAK BRANCH RESERVES TO REFUSE ENTRY FOR PARTICIPANT(S) WHO HAVE NOT PAID THEIR REGISTRATION FEES TO ATTEND THIS TALK. THIS REQUIREMENT WILL BE STRICTLY ENFORCED.**

**REGISTRATION LINK**  
**KINDLY REGISTER BY COMPLETING THE FORM IN THE LINK BELOW;**

**<https://forms.gle/PYKQFRKWXjwM1DQ48>**



**SCAN ME**