

## TALK ON “ETFE – Building Envelopes”

Organised by the Civil and Structural Engineering Technical Division (CSETD)

**BEM Approved CPD/PDP: 2 Hours**

**Ref No: IEM17/HQ/391/T**

Date : **27 SEPTEMBER 2017 (Wednesday)**  
Time : **05.30 p.m. – 7.30 p.m.**  
Venue : **Auditorium Tan Sri Prof. Chin Fung Kee,  
3<sup>rd</sup> Floor Wisma IEM, Petaling Jaya, Selangor**  
Speaker : **MR. MATTHEW G. PENROSE**

### SYNOPSIS



Singapore national stadium's moving roof.

ETFE (Ethylene Tetra Fluoro Ethylene) is a fluoropolymer product. In foil form, it can be used roofs, atrium, facades and canopies.

This talk gives an introduction to technology, details and advantages for ETFE structures.

With a case study of the design of Singapore National Stadium's moving roof.

### SPEAKER BIODATA

**MATTHEW PENROSE** is the Vice President of Vector Foiltec the inventor and world leader of ETFE Building Envelope Systems. Matthew has worked for Vector Foiltec Asia-Pacific for the past 7-years working on iconic ETFE projects using such as Resorts World Sentosa, Universal Studios, Singapore National Stadium Moving Roof, KL Pavilions Hotel Royale, KL Gateway, Ocean Park Hong Kong. Majority of these projects are total solution including steelwork design, supply, fabrication, installation, authority submission and future maintenance.

Matthew is a British Structural Engineer and over the past 21-years working throughout Asia-Pacific has become a specialist in lightweight, long span, architecture steelwork used for Roofs, Facades, Atriums and canopies. Developers, Government Agencies and Contractors consult with Matthew during the earliest stages of project design to develop the concept design and performance specifications to ensure the most efficient, coordinated and aesthetically pleasing solutions for both steelwork and ETFE. Matthew is also involved with tendering and pricing of the total solution directly to Developers and Main-Contractor providing solution for detailing, interfacing, method of installation, scheduling etc.

**Ir. Dr. Ng Soon Ching**  
**Chairman**  
**Civil and Structural Engineering Technical Division**

### ANNOUNCEMENT TO NOTE

#### FEES

**(Effective 1<sup>st</sup> October 2017)**

#### Members

Registration Fee : FOC  
Administrative Fee :

Online RM15  
Walk In RM20

#### Non-Members

Registration Fee : RM50  
Administrative Fee : RM20

- Limited seats are available on a "first come first served" basis (maximum 100 participants).
- **To secure your seat, kindly register online at [www.myiem.org.my](http://www.myiem.org.my)**

### PERSONAL DATA PROTECTION ACT

I have read and understood IEM's Personal Data Protection Notice published on IEM's website at [www.myiem.org.my](http://www.myiem.org.my) and I agree to IEM's use and processing of my personal data