

Organised by: Highway and Transportation Engineering Technical Division (HTETD)

## **RECORDED WEBINAR TALK ON “EROSION & SEDIMENT CONTROL PLAN: BEST PRACTICES FOR ROADS / HIGHWAYS”**

*Inconjunction with World Engineering Day Celebration from 2<sup>nd</sup> March till 7<sup>th</sup> March 2026*

**DATE: 3 MARCH 2026 | TIME: 2:00 PM - 4:00PM**

BEM Approved CDP: 2 Hours Ref. No.: IEM25/HQ/250/T (w)

### **Synopsis**

This talk is intended to provide aspiring road engineers with an overview of erosion and sediment control processes associated with road and highway projects. Currently, the approval of an Erosion and Sediment Control Plan (ESCP) is a mandatory requirement as part of the Environmental Impact Assessment (EIA) for road and highway developments.

As such, Ir. Pan will discuss the regulatory requirements for erosion and sediment control, and how to apply erosion and sediment control principles using site-specific information to meet these requirements. Key principles to be highlighted include minimizing soil erosion, preserving topsoil and other natural assets, managing access routes and site activities, controlling and managing runoff, implementing earthworks and erosion control measures, preventing sedimentation, stabilizing slopes, and maintaining the site effectively.

To illustrate the practical application of these principles, Ir. Pan will also explain the functions of common Best Management Practices (BMPs) used in road and highway projects, such as silt fences, check dams, earth drains, sediment basins, and others.

### **Speaker's Biodata**



**Ir. Pan Chee Chin**

**Ir. Pan Chee Chin** brings extensive engineering expertise in infrastructure design, with a strong portfolio in both roadworks and development projects. His experience encompasses earthworks planning, hydrological and hydraulic studies for drainage and river systems, water supply and sewerage systems, and utility relocation. In recent years, he has specialized in the planning, design, and coordination of road and highway projects. He has played key roles in numerous major transportation and development projects including the Setiawangsa - Pantai Expressway (SPE), South Klang Valley Expressway (SKVE), the TAR UMT Main Campus Student & Sport Center and multi-stories carparks, the Electrified Double Track Project, Klang Valley Mass Rapid Transit (KVMRT Line 1 and Line 2) etc. He served as the Financial Independent Consulting Engineer on the Duta - Ulu Klang Expressway (DUKE) and Duta - Ulu Klang Expressway Phase II (DUKE 2).

Ir. Pan graduated with a Bachelor of Civil Engineering (Hons.) degree from Universiti Malaya in 2000 and has been actively involved in engineering consultancy works for the past 25 years. He is a Professional Engineer with Practising Certificate (PEPC) and a Certified Professional in Erosion and Sediment Control (CPESC).

He is currently a Director at Perunding ZKR Sdn Bhd. He serves as the Chairman of the Membership Applications Board of IEM. He is also an active member of the PI Development Committee and the Admission & Practical Training Standing Committee of IEM.

### **Registration fee**

**Student Member: Free**

**IEM Member: RM15.00**

**Non-Member: RM70.00**

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