

Organised by: Highway and Transportation Engineering Technical Division

# Webinar

## Talk on CIPR Fundamentals on the Malaysian Road Network

18 AUGUST 2021 | 10:00AM - 12:00PM

*BEM Approved CDP: 2 Hours*  
*Ref. No.: IEM21/HQ/258/T(w)*

**Registration fee**  
**Student Member: Free**  
**IEM Member: RM15.00**  
**Non-Member: RM70.00**



**Mr. Scott Young**

*Technical Manager*  
*Stabilised Pavements of Australia (SPA)*

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# **SYNOPSIS**

The majority of structural road maintenance activities currently executed in Malaysia involve excavation and disposal of the old pavement followed by importing of new pavement materials with asphalt, granular materials (crusher run) or a combination of these. This is an unsustainable practice in terms of the depletion of our natural resources.

The more sustainable approach is to recycle existing and virgin pavement materials which has been carried out successfully in Malaysia since the 1980's using the process of Cold In-Place Recycling (CIPR), particularly in rural locations.

Whilst CIPR is not a new process, the acceptance and use of this technology continues to be significantly under utilised across most states of Malaysia. This is often due to a lack of understanding of the fundamentals associated with how the process works and how a recycled pavement layer is designed.

Scott Young, Technical Manager from Stabilised Pavements of Australia (SPA) will provide practical and technical insights into the fundamentals of CIPR technology, from design through to construction considerations. Maintenance of our road network by increasing the use of CIPR technology utilising more of the materials from within the existing road will provide an economical way to save on the exhaustion of natural resources. There is the added advantage of reducing the impact on our environment and communities by minimising CO2 emissions as a direct result of using CIPR technology. Further, the cost savings are often overlooked and more expensive treatments adopted through a misunderstanding of the benefits of recycling the Malaysian road network.

## **SPEAKER BIODATA**

Scott is currently the National Technical Manager with Stabilised Pavements of Australia (SPA) and also holds the position of Managing Director for the group's Malaysian operations, Stabilised Pavements Malaysia (SPM).

Scott is a Registered Professional Engineer with the Board of Professional Engineer Queensland (RPEQ 19130) and a Registered Professional Engineer with Professionals Australia (RPEng 893759). He holds a Bachelor's Degree in Civil Engineering (Honours) from the University of Newcastle, NSW Australia and a Master of Pavement Technology from the Center for Pavement Engineering Education (CPEE).

Scott is a member of Professionals Australia, REAM, BPEQ and the Australian Chapter of the REAAA and is a current technical committee member with the REAAA. He has been heavily involved in the stabilisation industry for 20 years and during that time held positions of Director, Vice President and President in Australia's national association AustStab.

His experience covers civil and geotechnical engineering, predominantly in pavements with areas of responsibility including asset management, structural design, performance specified maintenance contracts, asphalt production and laying, chip sealing, pavement rejuvenation and pavement recycling.