

VIRTUAL HALF-DAY SEMINAR ON COLD IN PLACE PAVEMENT RECYCLING FOR PAVEMENT MAINTENANCE WORK

Date : 11 JUNE 2022
Time: 2.00 PM – 6.00 PM
Speaker : Ir. Pok Sum Loong

**BEM Approved CPD/PDP
4 Hours (IEM22/HQ/158/S(w))**

	ONLINE (Log-in for registration & payment: www.myiem.org.my/member/login.aspx)	NORMAL FEE (by fax & email) Payment by cash, credit card and bank-in
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Organized by:
Highway and Transportation Engineering Technical Division (HTETD), IEM

In Collaboration with:
Wirtgen (M) Sdn. Bhd.

Cancellation Policy

No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with 7 days prior notification and substitute will be charged according to membership status.

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SPEAKERS



Ir. Pok Sum Loong is the Managing Director of Wirtgen Malaysia Sdn. Bhd., a subsidiary for The Wirtgen Group since July 2011. The Wirtgen Group is an internationally operating group of companies leading in the construction machinery sector incorporating five product brands namely Wirtgen, Vögele, Hamm, Kleemann and Benninghoven. Wirtgen Group has become a one-stop supplier of leading technologies for the entire road construction cycle starts from processing, mixing, paving, compaction and then the rehabilitation.

Ir. Pok is a Civil Engineer registered with The Board of Engineers, Malaysia. He has a Diploma and Degree of Civil Engineering from UTM (1994) and Master Degree of Highway and Transportation from UPM (2001). He is the Corporate Member of The Institution of Engineers, Malaysia (IEM) and has worked in the pavement industry for nearly 25 years in Malaysia, China and as well as the global environment.

Besides the related academic qualification, Ir. Pok was actively participated in pavement and material technical committees and contributed vastly in the Malaysia pavement industry. He was a committee member for revision of Malaysia Standard MS 124 and MS 512, committee member for drafting of REAM guideline REAM-SP 3/2007 and Committee member for Shell Bitumen Technical Committee East.

SYNOPSIS

Global warming that leads to the extreme weather condition is becoming critical to the environment. The vast development expediting the depletion of our natural resources, and this could accelerate the reverse impact of the environmental issues. Conservation by reuse, recycle and reduce are the solutions to address these issues.

In Malaysia, Reuse and recycle of the old asphalt and granular material into Cold In-place Pavement Recycling Pavement (CIPR) is not new. The industry has been using this concept in many different innovative ways. The recycle concept namely Cold In-place Pavement Recycle (CIPR) using Ordinary Portland Cement (cement) method prevailed in Malaysian road maintenance with large scale of application in many of the Highway, Expressway, Federal and State Road maintenance projects. This technology has been widely capitalised in many of the road maintenance programs exhibiting good performances.

The cement bound CIPR concept used in the Pavement Maintenance Work has been introduced for a long period of time in Malaysia. Combined both the good quality of Recycle Asphalt Pavement (RAP), road base materials and cement that were easily available in the Malaysian Road Pavement, a good quality of cement bound CIPR is easily implemented and proven to be successful. Many promising track records has been recorded and published.

A new technology in constructing CIPR with better efficiency and quality is currently introduced. This new technology is now made available with a flexible paving width up to 3.2m or 3.5m or 3.8m working width pending to the construction needs. This means the pavement rehabilitation work can be done in one single operational process instead of two passes traditionally. Current CIPR practices were mainly using the up-cutting concept, but the newly introduced CIPR method using Wirtgen CR machine is able to work at a down cutting mode. This means a compressive force is applied to break the existing lump of RAP more efficiently with larger content of single granular aggregate being generated. The compressive breaking effort generates a better continuity of gradation line for the road base materials that enhances the mixing of water and bonding agent with the granular materials. As such the recycled road base materials expected to gain a better compaction quality due to the improved workability.

In addition, a new cement spreading concept by incorporating a confined space cement spreading unit into a recycle machine is currently made available. A concept called "S pack" CIPR Recycler is produced to distribute the right quantity of cement and water into the mixing chamber of the CIPR machine. This method reduces the intensity of air-bond cement particle during the cement spreading process and it provides a much healthier working surrounding at the work site. Combined all the above capabilities, the CIPR concept is indeed a technology that improves the productivity and quality of Road-base Rehabilitation.

This One Day Seminar will cover the Pavement Fundamental, Bound and Unbound Road Base Technologies, Work Plan and Procedure in CIPR Construction and The Suitable Construction Equipment such as the latest Wirtgen WR 250 S Pack and Wirtgen W240/380 CR.

In view of that the organizing committee has invited Ir. Pok Sum Loong of Wirtgen Malaysia, to present the information in the respective topic. This One Day Seminar on CIPR for Road Work definitely bring enormous knowledge and value to the road industry.

TENTATIVE PROGRAMME

Time	Programme
02:00 pm – 02:05 pm	Welcoming remark by IEM representative.
02:05 pm – 4:00 pm	- Pavement Fundamental - Mix design and pavement structure for Cement CIPR in Malaysia perspective
4:00 pm – 4:10 pm	Break
4:10 pm – 5:00 pm	Work plan for CIPR Construction.
5:00 pm – 5:30 pm	Equipment and construction procedure.
5:30 pm – 6:00 pm	Q&A and Session End

*** IEM reserves the right to postpone, reschedule, allocate or cancel the cours**

REGISTRATION FORM

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No	Name(s)	Membership No.	Grade	Fee (RM)
SUB TOTAL				
+ 6% SST				
TOTAL PAYABLE				

PAYMENT DETAILS :

FULL PAYMENT must be settled before commencement of the seminar, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. The Registration Fee includes lecture notes, refreshment and lunch.

For **ONLINE REGISTRATIONS**, please note that payment **MUST** be made **BEFORE the closing date**. If payment is not received within the stipulated time, the registration the registration automatically cancels..

Contact Person : _____ Designation : _____

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- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN will be considered as NORMAL REGISTRATION
- The Organising Committee reserves the right to cancel, alter, or change the program due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes. In view of the limited places available, intending participants are advised to send their registrations as early as possible so as to avoid disappointment

FOR FURTHER DETAILS, KINDLY CONTACT:

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