



# The Institution of Engineers, Malaysia

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## TALK ON FLYROCK ISSUES AT QUARRIES AND CONSTRUCTION SITES

(Organised by Oil, Gas & Mining Technical Division, IEM)

Date : **8 February 2014 (Saturday)**  
Time : **9.00 am – 11.00 am (Refreshment would be served at 8.00 am)**  
Venue : **TUS Lecture Room, 2<sup>nd</sup> Floor, Wisma IEM, Petaling Jaya**  
Speaker : **Ir. Hj Look Keman Bin Sahari**

**BEM Approved**  
**CPD Hours: 2**  
**Ref No: IEM13/HQ/353/T**

### SYNOPSIS

Flyrock issues had been in the newspapers and other media regularly every year sometimes with fatalities and other times caused serious damages to properties and also serious injuries to people. Rock blasting at quarries and construction sites is actually an essential part of development work and can be done safely even at location very close to properties. However, highly qualified blasting engineers and experience shotfirers are needed to ensure compliance with safety requirements imposed by the authorities. Low vibration limit and almost no airblast are required to ensure minimum disturbance to the public. Only when blasting is not permitted alternative means such as expansive cement and pyrotechnics materials are considered. The talk will discuss the flyrock issues and mean to tackle it and the alternative means to blasting when and where it is possible. The talk can be useful to project managers or engineers who are likely to be responsible for blasting at their sites.

### BIODATA OF SPEAKER

Ir. Hj Look Keman graduated with a degree in Mining Engineering from Strathclyde University in 1979 and M.Sc in Explosives Engineering from Cranfield University in 1991. He initially worked as Research Engineer with Mines Research Institute in Mining Geotechnical Engineering specialising in Slope Engineering for mines, tailing dams etc. Later he worked as Inspector of Mines in Perak, Selangor, Negeri Sembilan and Malacca and after his postgraduate studies. He specialised in Rock blasting in mines quarries and Construction sites. He had been involved in many investigations on flyrock issues from quarries and construction sites since 1991 till now and will discuss on his experience and mitigation techniques to minimise or eliminate the problem. He retired from the Mines Department in 1996 and work as Consultant Engineer.

Ir Hj Look Keman is also a qualified Shotfirer and has been involved in the training of Shotfirer since 1991 and had attended many Blasting Courses locally and overseas.

### **Ir. Razmahwata Mohd Razalli**

Chairman

Oil, Gas & Mining Technical Division, IEM

#### **Announcements to Note:**

1. Talk is **STRICTLY** for IEM members only (walk-in).
2. Telephone and/or fax reservation will **NOT** be entertained.
3. Limited seats are available on a "first come first served" basis (maximum 110 participants).
4. IEM members are required to produce your **membership cards** for confirmation of attendance (CPD purpose).
5. Latecomers will not be allowed to enter if the lecture hall is full nor be entitled to CPD.

**IEM members who fail to produce their membership cards will be charged a fee of RM20.00**

#### **FUNDS FOR IEM NEW BUILDING (WISMA IEM)**

Kindly be informed that participants will be charged RM10.00 administrative fee for talks organized by IEM. The fee will be used for overhead costs, building maintenance expenses as well as to support the purchase of Wisma IEM. However, students are exempted. Your understanding is much appreciated.

#### **CPD HOURS CONFIRMATION**

Name of Member : ..... Signature : .....

Membership No : ..... Date : .....