

## **THE SRMEG SHOTCRETE COMMITTEE**

The SRMEG Shotcrete Committee is a sub-committee under the Society of Rock Mechanics & Engineering Geology, Singapore (SRMEG) and was created in May 2009.

It is currently lead by GAN Cheng Chian (BEKAERT) and supported by the following members: ONG Perng Fey (MONOLITHIC), LEE Kah Fai (TAM), YAP Yew Kam (TAM), CHUNG Swee Yit (DSTA) and Associate Professor Francis LOK Tat Seng (NTU). This committee reports to the SRMEG Main Committee.

Each committee member specializes in an area of shotcrete technology as follows:

GAN Cheng Chian – Shotcrete reinforcing  
ONG Perng Fey – Engineering geology  
LEE Kah Fai/YAP Yew Kam – Shotcrete mix designs  
CHUNG Swee Yit – Shotcrete QA/QC  
Francis LOK Tat Seng – Shotcrete structural behaviour

The use of shotcrete has been growing in Singapore and in the South East Asian region. With such growth comes the need to ensure that every cubic meter of shotcrete placed is of a confident quality. One way to ensure confidence of quality in the placed shotcrete is to use certified shotcrete nozzleman to place the shotcrete. Back in May 2009, the shotcrete committee was initially formed to bring the ACI Shotcrete Nozzleman Certification Scheme to Singapore. By Oct 2009, the committee had successfully organized & completed the 1<sup>st</sup> ACI Shotcrete Nozzleman Certification Program in Singapore. Although it was initially intended only for Singapore, shotcrete nozzlemen from Hong Kong, Australia, Thailand & Philippines also applied to join the certification. Hence, for the 2<sup>nd</sup> ACI Shotcrete Nozzleman Certification Program to be held in April 2010, shotcrete nozzlemen from all over Asia are welcomed to join.

With the **SHOTCRETE NOZZLEMAN CERTIFICATION** successfully implemented, the Shotcrete Committee will go further and work on more issues related to shotcrete technology. It is obvious that the next item to work on will be a **SHOTCRETE TECHNICAL GUIDELINES** for Singapore. So far, the tasks of **THE SHOTCRETE COMMITTEE** looks like this:

### **SHOTCRETE NOZZLEMAN CERTIFICATION**

## **SHOTCRETE TECHNICAL GUIDELINES SHOTCRETE STANDARDS**

There is a need for more members in this committee as there are many other aspects of shotcrete technology that needs to be covered. Shotcrete is a living breathing material. Its behaviour is much more complex than concrete. In concrete, we talk about days. In shotcrete, we talk about minutes. Hence, the need for more experts to be part of this growing committee.

We need people to work and contribute. Please join us! For membership enquiries, please contact [gan@bekaert.com.sg](mailto:gan@bekaert.com.sg) or [faridah@cma.sg](mailto:faridah@cma.sg).