

Workshop on Tunnelling and Underground Space Use

27 January 2014 (Monday), 9.00AM-5.30PM @ NUSS Kent Ridge Guild House

Jointly organised by



**Society for Rock Mechanics
& Engineering Geology
(Singapore)**



**Norwegian Tunnelling
Society**

Synopsis

This workshop is jointly organised by the Norwegian Tunnelling Society and the Society for Rock Mechanics and Engineering Geology (SRMEG) Singapore. It aims to share experience in Norwegian Tunnelling, with a focus on rock tunnelling in difficult ground conditions, and environmentally sensitive and congested areas. It will cover topics such as site investigations, blasting and vibration control, ground water control, 3D modelling, as well as risk sharing in Norwegian contractual practice. Presentations from Singapore will include underground space planning and experience in pressurised TBM tunnelling in soft grounds.

REGISTRATION FEE

SRMEG Members: FREE

Non-Members: \$100.00

PDU & STU: TBA

Speakers

Heidi Berg, NFF President, working with 3D modeling of underground structures for Vianova Systems

Erik Frogner, NFF Board Member & Director of infrastructure projects at Norconsult

Jan Eirik Henning, NFF Board Member & Technical Director at the Public Roads Administration

Anne Kathrine Kalager, NFF Board Member & Project Director at the National Rail Authority

Lim Kean Bon, Planner, Physical Planning Group, URA (Singapore)

Frode Nilssen, NFF Board Member & CEO of LNS, a major contractor

Nick Shirlaw, Director of Golder Associates (Singapore) Pte Ltd

Kjetil Vikane, Project Director of AF Gruppen, a major contractor in Norway

Society for Rock Mechanics & Engineering Geology (Singapore)

1 Liang Seah Street, #02-11 Liang Seah Place, Singapore 189022

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PRELIMINARY PROGRAMME

Time	Presentation	Speaker
0900 – 0915	Welcome address & introduction of SRMEG	TBA
0915 – 0930	Introduction of NFF	TBA
0930 – 1000	Mined tunnelling in poor rock formations	Frode Nilsen
1000 – 1030	Prevention of groundwater inflow during mined rock tunnelling	Kjetil Vikane
1030 – 1100	Tea break	
1100 – 1130	Rock breaking and removal for deep excavation of railway station	Anne Kathrine Kalager
1130 – 1200	Rock blasting and vibration control near sensitive buildings	TBA
1200 – 1230	Environmental Impact Assessment for tunnelling projects in city areas and environmentally sensitive areas	TBA
1230 – 1400	Lunch	
1400 – 1430	3D modelling in tunnelling	Heidi Berg
1430 – 1500	Site investigations in environmentally sensitive areas	Erik Frogner
1500 – 1530	Road tunnel construction – Ground investigations – Risk sharing and more	Jan Eirik Henning
1530 – 1600	Tea break	
1600 – 1630	Underground space planning in Singapore	Lim Kean Bon
1630 – 1700	Pressurised TBM Tunnelling in Singapore	Nick Shirlaw
1700 – 1730	Discussions	

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REGISTRATION FORM

Email to: srmeg@cma.sg or Fax to: +65 6336 2583

Title: *Prof / Dr / Mr / Mrs / Mdm / Ms		Membership No.:
Full name: (underline Surname / Family name)		
Organisation:		
Mailing Address:		
Telephone:	Mobile:	Fax:
Email:		
Dietary Requirements:		

SRMEG Members: FREE OF CHARGE

Please select one (1) option only, if required:

Non-Members: \$100.00 per person

Invoice

Receipt

Registration is on a first-come-first serve basis. All non-member registrations must be accompanied by cheque payment or credit card number before the course commences. No cancellation or refund is allowed upon registration, only a replacement of name.

Method of Payment (FOR NON-MEMBERS ONLY)

By Bank Draft / Cheque in Singapore dollars drawn on a bank in Singapore and made payable to: **“Society for Rock Mechanics & Engineering Geology”**

Issuing Bank : _____ Bank Draft / Cheque Number : _____

By Credit Card. Please deduct the above amount from my: ***VISA/MASTER/AMEX** (select one)

Card number: _____ Expiry Date (MM/YY): _____

Signature

Date

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