

One-day Seminar on Advancement in GeoEngineering, Tunneling and Environmental Geotechnics

Date: 29-July 2014 (Tuesday)

Time: 9.00am – 5.00pm

Venue: National University of Singapore, Engineering Auditorium,
Blk EA, 9 Engineering Drive 1, Singapore 117575.

OBJECTIVE

Limited land area and growing population, combined with fast economic growth, demand high quality infrastructures deep into rock, under the sea, and under congested buildings and existing MRT lines. Engineers in Singapore are facing the ever-growing challenges to design and build infrastructures under those difficult conditions. This seminar will provide an overview of the applications of Eurocode 7 in engineering design, showcase advances and international best practices in Geo-engineering, Tunnelling and Environmental Geotechnics.

International renowned experts from Germany, Switzerland, Austria, Indonesia and Singapore will share their knowledge at this one-day seminar on 29 July 2014 in Singapore. It is a rare opportunity for local professionals to meet up with the international experts to exchange relevant experiences.

SEMINAR FEE

- NUS/NTU Students: \$35
- NUS/NTU Staff: \$100
- BCA/LTA Staff: \$150
- GeoSS/SRMEG/TUCSS Members \$150
- Non-Members: \$200

(Registration fee covers seminar notes, tea breaks, and lunches)

PDU: TBA | STU: TBA

Target Audience

- ✓ Researchers
- ✓ Design Consultants
- ✓ Practicing Engineers
- ✓ Tunnel Engineers
- ✓ Geotechnical Consultants

Organized by:



Co-organized by:



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Herrenknecht Asia
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Amberg and TTI Engineering Pte. Ltd.

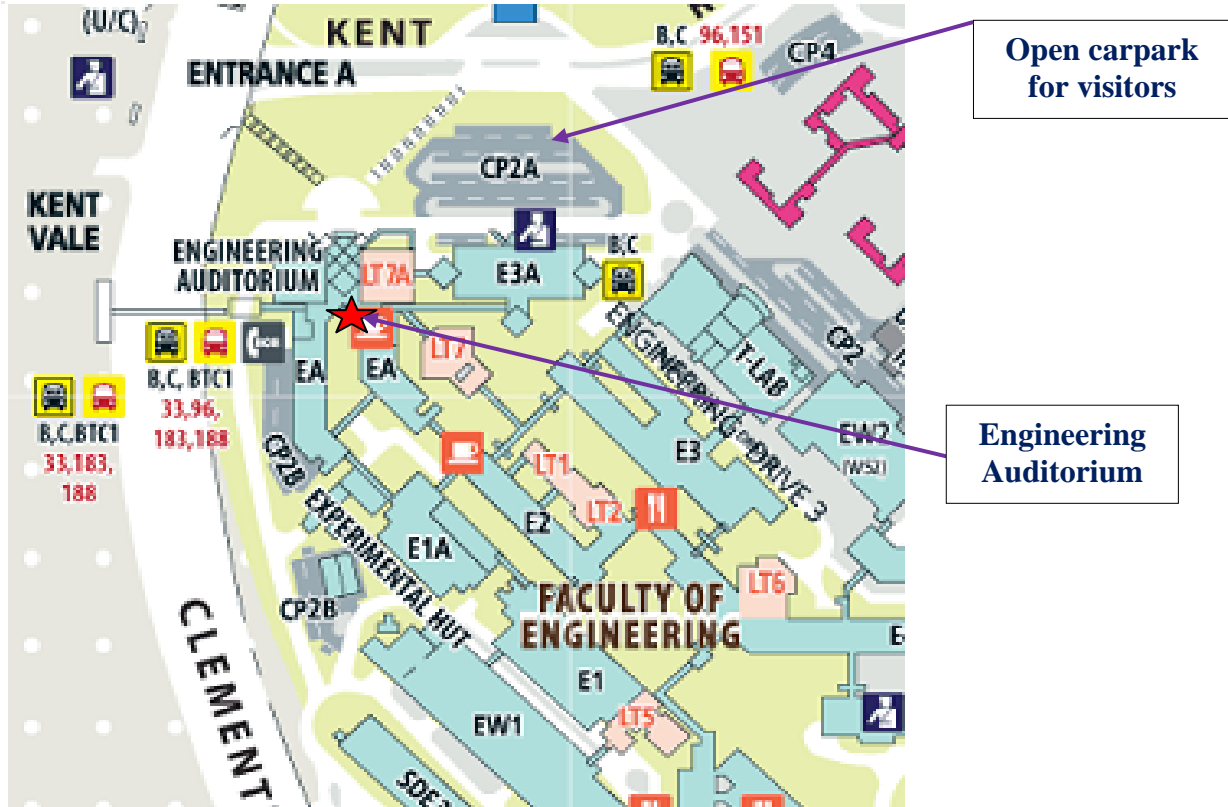


NAUE GmbH & Co. KG

Seminar Outline:

TOPICS	SPEAKER
OPENING SESSION	
Opening Speeches and Group Photo with All Speakers	<ol style="list-style-type: none"> 1) Prof. H. Klapperich presentation (TU BA Freiberg & CiF e.V., Germany) 2) Prof. Zhao Zhiye (NTU), President of SRMEG, Director of NCUS, NTU 3) Prof KK Phoon (NUS), Chair of School of Civil and Environmental Engineering 4) Group photo of all speakers with organizers and supporting organizations
I. RESEARCH	
Research Activities in GeoEngineering – an Overview	Prof Klapperich (TU BA Freiberg & CiF e. V., Germany)
II. EUROCODE 7	
Application of Eurocode 7 in Europe	Prof H. Klapperich/Prof H. Schweiger (TU Graz, Austria)/Prof P. von Wolffersdorff (Baugrund Dresden, Germany)
III. TUNNELING	
Tunneling & Rock Engineering - International Best Practice	Dr.-Ing. Matthias Beisler (Managing Director, ILF Bangkok/Innsbruck, Austria)
HERRENKNECHT Mix-Shield Technology ---- Proven Solutions for Singapore’s challenging ground condition (Herrenknecht)	Wilm Schaub (Technical Manager, HERRENKNECHT Asia Headquarter, Singapore)
Tunnel Sealing System with Geosynthetic Barriers	Kent P. von Maubeuge (Technical Director, NAUE GmbH & Co KG, Germany)
Highresolution rock investigation using combined geotechnologies - e.g. DMT's Core Scan System	Daniel Göckus (Managing Director, DMT Indonesia/Germany)
Shotcrete for underground support	Professor H. Klapperich(TU BA Freiberg & CiF e.V., Germany)
Estimation of tunnelling induced ground movements and their effects to adjacent buildings	Professor H. Klapperich/Dr. J. Fu(TU BA Freiberg & CiF e.V., Germany)
Experience gained at Subway Line U5, Berlin - Yves Boissonnas	Yves Boissonnas (AMBERG TTI Engineering, Switzerland)
Tunnelling in Mixed Ground Condition : A Challenge to Design & Construction	(Ms) Khine Hnin Yi (AMBERG TTI Engineering)
TBM solutions – soil conditioning	Lee Kah Fai (General Manager, Normet Singapore)
Tunneling in highly squeezing rock - The Strenger Tunnel	Dr. Matthias Beisler (Managing Director, ILF Bangkok/Innsbruck, Austria)
IV. GEOSYNTHETICS	
Geotechnical Applications and Developments with Geosynthetics	Kent P. von Maubeuge (Technical Director, NAUE GmbH & Co KG, Germany)
Garden of the Bays - project example with Geosynthetics	Indrajah Senthil (MD, NAUE Asia) & Alan J. S. Wong (Director, Green Cosmos Marketing PTE LTD)
V. ENVIRONMENTAL GEOTECHNICS	
Green Brownfields - Reuse	Professor H. Klapperich (TU BA Freiberg & CiF e.V., Germany)
City development – “Green Battle”	Prof. H. P. Noll (Montan Immobilien, Essen, Germany)&Professor H. Klapperich (TU BA Freiberg & CiF e.V., Germany)

Seminar Location: NUS Engineering Auditorium



Closing Date
23 July 2014

**One day Seminar on
 Advancement in GeoEngineering, Tunneling and Environmental Geotechnics**

Date: Tuesday 29 July 2014	Programme: 9.00am-5.00pm The registration will start from 8.30-9.00am
Venue: National University of Singapore, Engineering Auditorium, Blk EA, 9 Engineering Drive 1, Singapore 117575. MAP	

REGISTRATION FORM

Title (Please circle): *Prof / Dr / Mr / Mrs / Mdm / Ms
Full name in block letter: (underline Surname / Family name):

Organization		
Mailing Address		
Tel:	Mobile:	Fax:
Email		
Registration Fees	<input type="checkbox"/> NUS/NTU Students: \$35 <input type="checkbox"/> NUS/NTU Staff: \$100 <input type="checkbox"/> Non-Members: \$200 <input type="checkbox"/> SRMEG/TUCSS/GeoSSMembers and LTA/BCA staff: \$150	

- Seats are limited, registration on a first-come-first serve basis
 - All registration must be accompanied with payment
 - No cancellation or refund upon registration, only a replacement is allowed.
 - For payment by Cheque, please attach a scanned copy of Cheque with the registration form

Payment Method:

By Cheque

Issuing Bank: _____ Cheque No. _____ Amount: S\$ _____

Cheque payable to “**Nanyang Technological University**” and mail it to

Nanyang Technological University
 School of Civil and Environmental Engineering
 Nanyang Centre for Underground Space
 Block N1, N1-B1c-27, 50 Nanyang Avenue, Singapore 639798
 Tel: +65 6592-3178

OR hand the Cheque at the registration counter on the day of the Seminar. (Please note that we don't accept cash payment)

Require Receipt Require Invoice, please fill in the billing address below:

Billing address:

Name (i.e. full name of person or organization)	
Address	
E-mail	
Attn person	
Telephone	
Fax	

Signature:

Date:

For registration and enquiries, please send email to D-NCUS@ntu.edu.sg