



A Leader in Education
and Research on the
Built Environment

BCA ACADEMY
of the built environment

1-day seminar

Soil and Rock Properties for Geotechnical Engineering Applications

Geotechnical engineering is key in building design in ensuring the safe construction of buildings and surrounding structures. Many of the foundation and deep excavation failures/accidents could be related to the poor understanding of soil properties.

The seminar will provide participant insights into the properties, testing & application of various types of soil and rocks.

This seminar is organised jointly by Geotechnical Society of Singapore (GeoSS) and BCA Academy.

Seminar Details

Date : 3 September 2008
Time : 9.00 am - 4.30 pm
Venue : BCA Academy
Auditorium, 200 Braddell
Road,
S(579700)
Fees : S\$203.30 per participant
GeoSS members: S\$181.90 per participant

*Fee includes GST, course material, lunch & refreshments.
Car parking is free on a first come, first served basis*

Who should attend

- ✓ Practicing Structural Engineers
- ✓ Soil Investigation Professionals
- ✓ Builders
- ✓ Geotechnical Specialists
- ✓ Construction Managers
- ✓ Supervisory Personnel
- ✓ Academics
- ✓ Students

Accredited by

PEB and BOA-SIA - pending

Seminar Contents

- ◆ **Engineering Properties of Soils from Laboratory Tests**
By Mr Sagae, Kiso-Jiban Consultants
- ◆ **Soil Properties used for Modelling in Plaxis Program**
By Prof. Harry Tan, National University of Singapore
- ◆ **Evaluation of Undrained Shear Strength of Singapore Marine Clay,**
By **Prof. Wong Kai Sin**, Nanyang Technological University
- ◆ **Soil and Rock Properties and Their Relevance in Tunnelling projects**
By Dr. Oskar Sigl, GeoConsult Asia Pte Ltd
- ◆ **Limestones of Jurong Formation - Properties and Engineering Application**
By **Dr. Jeyatharan Kumarasamy**, Land Transport Authority
- ◆ **Design, Construction and Testing of Ground Anchors**
By **Dr. Ganeshan**, Maunsell Consultants Pte Ltd
- ◆ **Building Control (Amendment) Act 2007 and Regulations 2008: Requirements on Site investigation**
By **Dr. Poh Teoh Yaw**, Building and Construction Authority
- ◆ **Discussion Forum**
Chaired by **Prof. I H Wong**



Jointly Organised by:



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Mr Sagae, Kiso-Jiban Consultants

Mr. Sagae graduated Toyo University in 1975 with a bachelor degree in civil engineering and obtained a master degree in 1977 from the same university. He has been with Kiso-Jiban Consultants since then and he is currently the general manager of the Singapore Branch. He has more than 30 years of experience in soil investigation, geotechnical analysis and design.

Prof. Harry Tan, National University of Singapore

Dr Harry Tan is a geotechnical faculty at NUS. He is an active geotechnical expert who has served in many foundation projects in industry. He had served as the State technical expert witness in the COI for the Nicoll Highway Collapse and the Church Street pile foundation failure.

Prof. Wong Kai Sin, Nanyang Technological University

WONG Kai Sin, Associate Professor, graduated in 1972 with a BS degree from the University of Illinois. He received his MS and PhD degrees from the University of California at Berkeley in 1975 and 1978 respectively. He practiced geotechnical engineering in California before joining NTU in 1984. He is currently a member of the Geotechnical Division of Institute of Engineers, Singapore and a technical advisor to the Land Transport Authority of Singapore.

Dr. Jeyatharan Kumarasamy, Land Transport Authority

Jeya obtained his bachelor degree in Civil Engineering with First Class Hons from Peradeniya University, Sri Lanka in 1985 and a PhD degree in Soil Mechanics from Cambridge University, UK in 1991. He was with AGS Consult, Parson Brinckerhoff Pte Ltd and Arup (S) Pte Ltd for 8 years. He has worked in several major rail projects such as Circle Line Stage 2, 4 and 5 and currently working on the Downtown Line Stage 2.

Dr. Ganeshan, Maunsell Consultants Pte Ltd

Dr. Ganeshan is a professional engineer in civil and geotechnical engineering, and an accredited checker in geotechnical engineering. He has over 25 years of design and construction experience in all scopes of geotechnical engineering works including deep excavation, soil improvement, deep foundation, tunneling and Instrumentation.

Dr Poh Teoh Yaw, Senior Executive Geotechnical Specialist, Building and Construction Authority

Dr Poh Teoh Yaw is a Senior Executive Geotechnical Specialist with Building and Construction Authority which oversees and administers the regulatory framework on building structure safety in Singapore. He is a geotechnical specialist with over 12 years of practical experience.

Participant Name	NRIC/Passport No	Designation	HP no.	Email	PEB	BOA-SIA
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>

Yes, I would like to receive course / seminar updates via email _____ (Please accordingly)

Company Name: Company CPF no.
 Mailing Address: GeoSS membership no.

CONTACT PERSON PARTICULARS

Name: DR/Mr/Mrs/Ms: Email:
 Designation: Hp no:
 Telephone No: Fax no:

PAYMENT

Enclosed is a cheque no. _____ (Cheque should be crossed, marked "account payee only" and payable to 'BCA') for S\$ _____

OR Deduct from GIRO acc. No _____
 (Should be the same bank account number as indicated in the Direct Debit Authorisation form submitted to BCA)

..... Name/Signature (*Company / individual applicant) Company Stamp
 * Delete wherever necessary (For company application)

Reservation may be made by fax, e-mail, post or by hand. To confirm the reservation, payment will have to be made before the seminar date via cheque (made payable to "BCA"), VISA or Nets/cash. No invoice will be issued. Walk-in applicants will only be admitted on the basis of availability and full payment before attending the seminar. Please inform us in writing of any change in your registration (which is subject to administrative charges shown below). If no notice of withdrawal is received by 3 working days before the commencement date, the full seminar fee will be charged.

BCA reserves the right to amend the seminar details or cancel the seminar and fully refund the participants, should unforeseen circumstances warrant it.

Notice of Replacement and Withdrawal

- Notice of replacement, with written request must reach BCA Academy before the commencement date of the seminar: No administrative charge
- Notice of withdrawal, with written request that reaches BCA Academy at least 2 weeks before the seminar date: 90% refund of seminar fee.
- Notice of withdrawal, with written request that reaches BCA Academy less than 2 weeks but more than 3 working days before the seminar date: 75% refund of seminar fee.
- Notice of withdrawal, with written request that reaches BCA Academy 3 working days or less before the seminar date: No refund of seminar fee.

ENQUIRIES:

For enquiries, please call Marketing Dept @ 62489843/823 or email bca_academy@bca.gov.sg
 For application status & confirmation, please call Enrolment @ 62489896
 For other seminars/courses details, please visit our website @ www.bca.gov.sg/academy

REGISTRATION:

Seats are limited, registration is on a first-come-first-served basis. Training places will be confirmed upon the payment of the seminar fees before the commencement date.
 Please fax application form to facsimile: 6258-0558
 Cheques with original application should be mailed to:-
 BCA Academy, 200 Braddell Road, Singapore 579700

